PERIODIC REVIEW REPORT
REPORTING PERIOD: APRIL 11, 2021 THROUGH APRIL 11, 2022

202 FRANKLIN STREET
OLEAN, NEW YORK
NYSDEC SITE NO. C905043

This Periodic Review Report (PRR) was prepared in accordance with the provisions of the document *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10). This is the second PRR submitted for New York State Department of Environmental Conservation (NYSDEC) Site No. C905043 located at 202 Franklin Street, City of Olean, Cattaraugus County, New York (the Site) (refer to the Project Locus Map included as Figure 1). This document presents a summary of site characterization and remedial activities conducted at the Site pursuant to obtaining a Certificate of Completion issued on December 11, 2019, and the site management activities completed in the period between April 11, 2021 and April 11, 2022 (the reporting period). The site management requirements are outlined in the document titled *202 Franklin Street, Cattaraugus County, City of Olean, New York, Site Management Plan, NYSDEC Site Number: C905043*, dated December 2019 (the SMP).

This report includes the following elements:

- Site background information;
- identification of the remedial goals established for the Site;
- a description of the institutional controls (ICs) and engineering controls (ECs) for the Site;
- a review of monitoring protocols and results;
- a description of site inspections and groundwater monitoring;
- an evaluation of the remedy performance, effectiveness and protectiveness; and,
- conclusions and recommendations based on the work completed to date.

I. Executive Summary

A. Site Conditions, Contamination and Remedial History

- The Site consists of an approximate 5.16-acre parcel of land of which a 1.83-acre portion is developed as a paved parking lot used for employee parking by the SolEpoxy facility located adjacent to the south (i.e., 211 Franklin Street). The remaining portion of the Site (i.e., approximately 3.3 acres) is vacant land (refer to the site plan included as Figure 2).

- Silence Dogood, LLC entered into the Brownfield Cleanup Program (BCP) administered by the NYSDEC in accordance with Brownfield Cleanup Agreement (BCA) Index # C905043-05-14, which was executed on May 22, 2014, to investigate and remediate the Site. As outlined in the BCA, Silence Dogood, LLC is a Volunteer with respect to the requirements of the BCP.

- A Remedial Investigation (RI) was undertaken to characterize the nature and extent of contamination at the Site. The July 2017 RI report identified the following conditions at the Site, prior to remediation: impacts to surface soil and subsurface

soil/fill from various polycyclic aromatic hydrocarbons (PAHs) and metals; and impacts to site-related groundwater from metals, in addition to petroleum-related impacts to the groundwater on the western portion of the Site that originated from an off-site location.

- The Site was remediated in accordance with the provisions of a Decision Document (DD), issued by the NYSDEC dated August 31, 2017. The DD included Remedial Action Objectives for public health protection pertaining to Site related soil and groundwater. The DD also specified the selected remedy for the Site, as Track 4 Restricted (Commercial) Use with site-specific soil cleanup objectives. See Section II.B. of this PRR for a summary of the remedial actions completed under the DD.

- Day Environmental, Inc. (DAY) prepared the SMP on behalf of Silence Dogood, LLC, and this document was approved by the NYSDEC. The site management requirements outlined in Section 6.3(b) of DER-10, and the SMP, were implemented at the Site beginning on December 11, 2019.

- A certificate of completion (COC) was issued for NYSDEC Site #C905043 on April 11, 2021, documenting completion of the remedial program. The COC identified ongoing requirements for the Site, including compliance with the SMP, periodic reporting through PRRs, and periodic certification of the Engineering Controls (EC) and Institutional Controls (IC) that are required at the Site.

- Issues identified during the initial PR reporting period (i.e., December 11, 2019 through April 11, 2021) included sparse vegetation over portions of the soil cover, generally located to the north of the Employee Parking Lot, observed during the annual inspection of the site-wide cover system that occurred on June 25, 2020; and the measurement of various metals at higher concentrations than those measured during the RI in the groundwater sample collected from monitoring well MW-E on June 25, 2020. As described herein, these issues were resolved during the current reporting period as described herein.

B. Effectiveness of the Remedial Program

Progress made during the reporting period toward meeting the remedial objectives for the Site include continued operation and monitoring of the EC (i.e., the site-wide cover system); and post-remediation media (i.e., groundwater) sampling and testing. Monitoring data from the work completed to date shows that the remedial program is currently meeting, and has the ability to achieve, the remedial objectives for the Site.

C. Compliance

No areas of non-compliance with the SMP were identified during the reporting period. As such, no steps are currently deemed necessary to correct areas of non-compliance.

The annual inspection of the cover system revealed that, except for some minor cracking/separation of the asphalt in the Employee Parking Lot (i.e., evidenced by vegetative growth within the cracks) the cover was fully in-place and in good condition.

During the annual inspection of the site-wide cover system that occurred on June 29, 2021 the vegetative growth over the soil cover areas appeared to be of greater density

than when it was observed during the previous annual inspection (i.e., completed on June 25, 2020).

With the exception of calcium and sodium, the concentration of each metal detected in the groundwater sample collected during the reporting period (i.e., on June 29, 2021) from MW-E were significantly lower than the concentration measured in the sample collected from MW-E during the previous reporting period (i.e., on June 25, 2020). The concentrations of metals detected in the groundwater samples collected during the reporting period from the other monitoring wells at the Site (i.e., MW-A through MW-D, MW-F and MW-G) were comparable to the concentrations from the samples collected during the previous reporting period.

D. Recommendations

1. The requirements identified in the SMP for the Site were met during the reporting period, and no modifications are required at this time to bring the plan into compliance.

2. It is recommended that the vegetation be removed from the asphalt in the Employee Parking Lot and that the cracks in the asphalt be sealed to prevent further degradation to the asphalt cover. [Note: Carter Blacktop of Allegany, New York has been retained to complete the corrective measures. It is anticipated that the work will be completed during the 2022 construction season, and will include edging border areas to remove vegetation, filling of major cracks in the asphalt using hot tar, cleaning, priming and sealing the existing asphalt surfaces using industrial grade anti-slip sealant. It is anticipated that a summary of the work completed (including photographs) will be included in the 2022-2023 PRR.]

3. It is recommended that the frequency of future PRRs remain as identified in the SMP (i.e., submitted every year subsequent to this report, such that the next PRR covers the reporting period April 11, 2022 through April 11, 2023).

4. Since residual contamination remains at the Site, it is recommended that site management requirements be continued.

5. Groundwater monitoring as described in the SMP should be continued for the subsequent reporting period in order to assess the performance of the remedy.

II. Site Overview

A. Site Location, Site Features and Nature and Extent of Contamination

The Site is located in City of Olean, Cattaraugus County, New York and is identified as Section 94.040 Block 1 and Lot 3 on the Cattaraugus County Tax Map. The Site is bound by the Interstate I-86 right-of-way (ROW) to the north, Franklin Street to the south, an athletic field to the east, and a railroad ROW to the west. A Property Survey Map of the Site is included in Attachment A of this document.

The properties adjoining the Site and, in the neighborhood, surrounding the Site primarily include residential, and industrial properties. The properties immediately south of the Site

include Franklin Street followed by industrial properties; the properties immediately north of the Site include the Interstate I-86 ROW; the properties immediately east of the Site include a park followed by residential properties; and the properties to the west of the Site include a railroad ROW followed by commercial and industrial properties.

The Site consists of an approximate 5.16-acre parcel of land of which a 1.83-acre portion is developed as a paved employee parking lot. The Site is zoned industrial and the southeastern portion is currently utilized as the Employee Parking Lot by SolEpoxy Inc. (i.e., the tenant at 211 Franklin Street); the remaining portion of the Site (i.e., approximately 3.3 acres) is vacant land.

A Remedial Investigation (RI) was undertaken to characterize the nature and extent of contamination at the Site. The results of this study are described in the following report:

- *Remedial Investigation Alternatives Analysis Report, 202 Franklin Street, City of Olean, Cattaraugus County, New York, BCP Site Number: C905043,* dated July 14, 2017

The July 2017 RI identified the following conditions at the Site, prior to remediation:

- Impacts to surface soil from: various polycyclic aromatic hydrocarbons (PAHs) and metals including arsenic.
- Impacts to subsurface soil/fill from various PAHs and metals including: arsenic, barium, cadmium, copper, and lead.
- Impacts to site-related groundwater from metals, including antimony, arsenic, barium, and selenium; and petroleum-related impacts to the groundwater on the western portion of the Site, which originated from an off-site location.

B. Chronology

A chronology of Remedial Actions performed at the Site is presented below.

- Silence Dogood, LLC entered into the BCP administered by (NYSDEC) in accordance with Brownfield Cleanup Agreement Index # C905043-05-14, which was executed on May 22, 2014, to investigate and remediate the Site. As outlined in the BCA, Silence Dogood, LLC is a Volunteer with respect to the requirements of the BCP.
- The Site was remediated under a Decision Document (DD), issued by the NYSDEC and dated August 31, 2017. The DD included Remedial Action Objectives for public health protection pertaining to Site related soil and groundwater. The DD specified the selected remedy for the Site, as Track 4 Restricted (Commercial) Use with site-specific soil cleanup objectives. Elements of the remedy included:
    - excavation of approximately 289 tons of soil/fill containing metal waste and lesser amounts of ash, slag, cinders, construction/demolition debris, tar, etc. from an approximate 6,540 square-foot area located in the northeast portion of the Site, and transport of the material to Waste Management's Chafee Landfill (Chafee, New York) for disposal.

- permanent closure, excavation, removal and disposal of an 8,000-gallon UST and residual contents from the subsurface adjacent to the southwest corner of the Employee Parking Lot at the Site.

- a site cover constructed and maintained to provide a barrier above surface soil containing concentrations that exceed the Restricted Commercial Use soil cleanup objectives (SCOs). The cover consists of asphalt pavement (i.e., over the 1.83-acre portion is developed as a paved parking lot); one-foot thick mulch cover under the driplines of the remaining mature trees (i.e., located along the eastern edge of the Site); one-foot thick stone cover within a surface drainage channel (i.e., located north of the paved parking lot); and/or one-foot thick soil cover over the other exterior portions of the Site. Where the soil/mulch/stone cover was utilized, a minimum of one foot of material was used as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. The soil/mulch/stone cover was placed over a demarcation layer. The upper four inches of placed soil in the soil cover was of sufficient quality to maintain a vegetation layer. Fill material brought to the Site for use as cover material met the requirements set forth in 6 NYCRR Part 375-6.7(d);

- Imposition of an institutional control in the form of an environmental easement for the controlled property;

- Development and implementation of a SMP; and

- Periodic certification of the institutional and engineering controls

- The remediation of the Site was completed in accordance with a Remedial Action Work Plan (RAWP - dated August 2017) that was approved by the NYSDEC on August 28, 2017 and a RAWP addendum (dated July 17, 2019) that was approved by the NYSDEC on July 24, 2019.

- DAY prepared the SMP on behalf of Silence Dogood, LLC, dated December 2019, and this document was approved by the NYSDEC. The site management requirements outlined in Section 6.3(b) of DER-10, and the SMP, were implemented at the Site beginning on December 11, 2019. The SMP includes an Institutional and Engineering Control Plan that identifies use restrictions and engineering controls for the Site, a Monitoring Plan to assess the performance and effectiveness of the Remedy, and details the steps and media-specific requirements necessary to ensure that the institutional and/or engineering controls remain in place and effective.

- A COC was issued for NYSDEC Site #C905043 on December 11, 2019, documenting completion of the remedial program. The COC identified ongoing requirements for the Site, including compliance with the SMP, periodic reporting through PRRs, and periodic certification of the ECs and ICs that are required at the Site.

As presented in the DD, the cleanup goals for the Site are to prevent ingestion/direct contact with contaminated surface and subsurface soil/fill materials, and to prevent exposure to onsite groundwater. Generally, remedial processes are considered complete when effectiveness monitoring indicates that the remedy has achieved the remedial action

objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

The Site remedy included:

- the placement, and/or maintenance, of a site-wide cover system (i.e., asphalt pavement; one-foot thick mulch cover; one-foot thick stone cover; and/or one-foot thick soil cover) to prevent direct contact with impacted materials (i.e., surface soil, subsurface soil/fill, etc.), and

- institutional controls to prevent exposure to onsite groundwater.

The effectiveness of this remedy is evaluated by the completion of annual inspections of the cover system and annual post-remediation groundwater sampling.

- On June 29, 2021, DAY representatives completed the annual inspection of the site-wide cover system and collected groundwater samples for the annual post-remediation groundwater monitoring. A copy of the site-wide inspection form (i.e., included as Appendix F of the SMP), completed during the June 29, 2021 inspection, and photographs, taken on June 29, 2021 illustrating the condition of the exterior site cover on that date, were included in a data report titled, *Annual Groundwater Monitoring and Cover Inspection, NYSDEC BCP Site No. C905043, 202 Franklin Street Site, Olean, New York*, dated September 23, 2021 (Revised October 1, 2021) (October 1, 2021 Data Report), which was transmitted to the NYSDEC on October 1, 2021. A copy of this data report is included as Attachment B of this document.

- The results of the groundwater monitoring completed at the Site are discussed in Section V of this PRR.

IV. IC/EC Compliance Report

A. IC/EC Compliance Report

1. A description of each control, its objective, and how performance of the control is evaluated is provided below.

    - Groundwater Use Restriction: restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the Cattaraugus County Department of Health. The effectiveness of this control is evaluated based upon monitoring of groundwater usage at the Site (or lack thereof).

    - Land use Restriction: allows the use and development of the controlled property for commercial and industrial uses as defined by 6 NYCRR Part 375-1.8(g), although land use is subject to local zoning laws. The effectiveness of this control is evaluated based upon monitoring of land usage at the Site.

- Site Management Plan: The objective of the SMP is to manage remaining contamination present at the Site that is above regulatory criteria in a manner that is protective of human health and the environment. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, a Site Monitoring and Sampling Plan, an Operation and Maintenance (O&M) Plan and a Soil Management Plan (i.e., the excavation work plan included as Appendix B of the SMP). The effectiveness of the controls outlined above is evaluated through monitoring and periodic certification. Controls on the Site include:

    - Construction and maintenance of a site-wide cover system to provide a barrier above surface soil containing concentrations that exceed the Restricted Commercial Use SCO. The cover system consists of asphalt pavement, one-foot thick mulch cover, one-foot thick stone cover, and/or one-foot thick soil cover.

    - Routine monitoring to document the integrity of the site-wide cover system and to document post remediation groundwater conditions.

    - Implementation of specific requirements outlined in the SMP, including the provisions of the IC/EC Plan (i.e., Excavation Work Plan, Soil Vapor Intrusion Evaluation, and Contingency Plan), Site Monitoring Plan, and Operation and Maintenance Plan, to assure the provisions described in these documents are followed.

2. Status:

    Each control is fully in place, is being adhered to, and appears to be effective as of the date of this report.

    During the annual inspection of the site-wide cover system that occurred on June 29, 2021, vegetative growth over the soil cover areas appeared to be of greater density than when it was observed during the previous annual inspection (i.e., completed on June 25, 2020). Areas of erosion (i.e., due to the lack of vegetative cover) were not observed. However, some minor cracking/separation of the asphalt in the Employee Parking Lot (i.e., evidenced by vegetative growth within the cracks - refer to the site sketch and photographs included in Attachment B).

3. Corrective Measures:

    The vegetation should be removed from the asphalt in the Employee Parking Lot and the cracks in the asphalt should be sealed to prevent further degradation to the asphalt cover. [Note: Carter Blacktop of Allegany New York has been retained to complete the corrective measures. It is anticipated that the work will be completed during the 2022 construction season, and will include edging border areas to remove vegetation, filling of major cracks in the asphalt using hot tar, cleaning, priming and sealing the existing asphalt surfaces using industrial grade anti-slip sealant.]

4. Conclusions and Recommendations for Changes:

   The controls are being effectively implemented as of the date of this report, and no changes are deemed necessary at this time.

B. IC/EC Certification

Certification Statement and forms are included as Attachment C to this report.

V. Monitoring Plan Compliance Report

A. Components

- Site-Wide Inspections: annual inspections are required to observe and document the condition of the cover system installed at the Site. Site-wide inspections are also required after all severe weather events that have the potential to affect ECs.

- Post Remediation Media Monitoring and Sampling: Groundwater are collected/tested from seven monitoring wells (designated MW-A through MW-G) on a routine basis and tested for NYSDEC target analyte list (TAL) metals to assess the performance of the remedy.

B. Summary of the Monitoring Completed

- Site-Wide Inspections: On June 29, 2021, a DAY representative completed the annual inspection of the site-wide cover system. A copy of the site-wide inspection form completed for June 29, 2021 is included in Attachment B. Photographs illustrating the condition of the exterior site cover on that date, are also included in Attachment B.

- Post Remediation Media Monitoring and Sampling:

  On June 29, 2021, DAY representatives collected groundwater samples from the monitoring wells located at the Site (designated MW-A through MW-G) using low-flow purge and sample techniques. In addition, a supplementary groundwater sample from monitoring well MW-E was collected using low flow purge and sample techniques and subsequent field filtration (i.e., using a dedicated 0.45-micron filter) to evaluate if elevated concentrations of select metals detected in the groundwater sample collected from this location during the previous annual sample event (i.e., completed June 25, 2020) was due to suspended solids in the sample. [Note: The filtered low-flow groundwater sample collected from monitoring well MW-E contained metal concentrations comparable to those detected in the unfiltered low-flow sample. These results suggest that the low-flow sample collected on June 29, 2021 is representative of dissolved constituents within the groundwater, and that the sample collected on June 25, 2020 may have been biased high due to the presence of suspended solids with the sample.]

  The results of the post-remediation groundwater sampling event, along with a copy of the DUSR prepared by Vali-Data of WNY, LLC are presented in the October 1, 2021 Data Report, included as Attachment B.

The analytical laboratory test results for the samples collected during the reporting period were submitted to the NYSDEC EIMS Team via NYENVDATA in an EQUIS EDD format.

C. Comparison with Remedial Objectives

- Site-Wide Inspections: The results of the site-wide inspections indicate that remedial objectives were achieved during the reporting period. Specifically, the site-wide inspections revealed that the cover system is intact and functioning as designed to eliminate direct contact.

- Post Remediation Media Monitoring and Sampling:

  Concentrations of iron, manganese and/or sodium exceeding groundwater quality standards (GWQS) were measured in each of the groundwater samples collected on June 25, 2020 except for the sample from MW-C. As stated in the RI report for the Site, the concentrations measured are typical of background conditions and, as such, apparently not attributable to contaminants at the Site. The concentrations of iron, manganese and/or sodium measured in the June 29, 2021 groundwater samples are generally comparable (i.e., same order of magnitude) to the concentrations measured during the RI study (i.e., the June 2014 and November 2014 sample results summarized on Table 2 in Attachment B).

  The following metals were also measured in the June 29, 2021 groundwater samples at concentrations exceeding the respective GWQS (indicated in parenthesis) [i.e., presented in micrograms per liter µg/l or parts per billion (ppb)]:

  - MW-C – selenium at 14 µg/l (10 µg/l);
  - MW-D – arsenic at 49.4 µg/l (25 µg/l) and barium at 2,190 µg/l (1,000 µg/l);
  - MW-E – barium at 1,830 µg/l (1,000 µg/l);
  - MW-G – barium at 1,440 µg/l (1,000 µg/l);

  With the exception of calcium and sodium, the concentrations of each metal detected in the groundwater sample collected from MW-E during the reporting period (i.e., on June 29, 2021) were lower than the concentration measured in the sample collected from MW-E during the previous reporting period (i.e., on June 25, 2020). It is suspected that the concentrations of metals measured in the sample collected on June 25, 2020 may have been biased high due to the presence of suspended solids with the sample.

  Of the metals identified in the 2017 RI as contaminants of concern in groundwater (i.e., arsenic and barium and potentially antimony and selenium),
    - Antimony was not detected in any of the groundwater samples collected during the reporting period from monitoring locations MW-A through MW-G, at concentrations above the detection limits utilized by the laboratory.
    - Arsenic was detected in groundwater samples collected from two of the seven monitoring locations (i.e., MW-C and MW-D) during the reporting period.

- The concentration of arsenic measured in the sample collected from MW-C during the reporting period (i.e., 6.0 µg/l) is comparable to the concentration of arsenic measured in the sample collected from MW-C during the previous reporting period (i.e., 5.61 µg/l). However, these concentrations may represent an increasing trend in the arsenic concentration in this location, since arsenic was not detected in the samples collected during the RI study from MW-C above the detection limits utilized by the laboratory. [Note monitoring well MW-C is located in a hydraulically upgradient location on the Site. Thus, the potentially increasing concentrations of arsenic in this location are not considered to be attributable to conditions at the Site.]
- The concentration of arsenic measured in the sample collected from MW-D during the reporting period (i.e., 49.4 µg/l) is comparable to the concentration of arsenic measured in the sample collected from MW-D during the previous reporting period (i.e., 52.73 µg/l), and do not appear to represent an upward or downward trend when compared to the arsenic concentrations in the samples collected from MW-D during the RI study and subsequent sampling event in July 2017.

- Barium was detected in groundwater samples collected each of the seven monitoring locations (i.e., MW-A through MW-G) during the reporting period.
  - The concentrations of barium exceeding the respective GWQS are presented above.
  - The concentrations of barium measured in the samples collected from MW-A, MW-D, MW-F, and MW-G during the reporting period are comparable to the respective concentrations of barium measured during the previous reporting period and do not appear to represent an upward or downward trend when compared to the barium concentrations in the samples collected from each respective location during the RI study.
  - The concentration of barium measured in the sample collected from MW-B during the reporting period (i.e., 784 µg/l) is lower than the concentration of barium measured in the sample collected from MW-B during the previous reporting period (i.e., 1,101 µg/l). However, these concentrations may represent an increasing trend in the barium concentration in this location when compared to the barium concentrations in the samples collected from MW-B during the RI study (i.e., 191 µg/l and 290 µg/l).
  - The concentration of barium measured in the sample collected from MW-E during the reporting period (i.e., 1,830 µg/l) is lower than the concentration of barium measured in the sample collected from MW-E during the previous reporting period (i.e., 2,528 µg/l). However, these concentrations may represent an increasing trend in the barium concentration in this location when compared to the barium concentrations in the samples collected from MW-E during the RI study (i.e., 103 µg/l and 222 µg/l).

- The concentration of barium measured in the sample collected from MW-C during the reporting period (i.e., 10 µg/l) is comparable to the concentration of barium measured in the sample collected from MW-C during the previous reporting period (i.e., 7.35 µg/l). These concentrations may represent a decreasing trend in the barium concentration in this location when compared to the barium concentrations in the samples collected from MW-C during the RI study (i.e., 80.6 µg/l and 101 µg/l).

- Selenium was detected in groundwater samples collected from two of the seven monitoring locations (i.e., MW-C and MW-F) during the reporting period.
  - The concentration of selenium measured in the sample collected from MW-C during the reporting period (i.e., 14 µg/l) is lower than the concentration of barium measured in the sample collected from MW-C during the previous reporting period (i.e., 28.8 µg/l). These concentrations may represent a decreasing trend in the selenium concentration in this location when compared to the selenium concentration in the initial sample collected from MW-C during the RI study (i.e., 35.2 µg/l).
  - An estimated concentration of selenium (i.e., 0.2 µg/l) was measured in the sample collected from MW-F during the reporting period, which is the first detection of selenium at this location at a concentration above the detection limit utilized by the laboratory.

D. Monitoring Deficiencies

There are no monitoring deficiencies identified at this time.

E. Conclusions and Recommendations for Changes

- Site-Wide Inspection: The site-wide inspection monitoring confirmed that the remedial systems for the Site are functioning properly, and effective in achieving their intended objectives. No changes to the site-wide inspection, monitoring process, or remedial actions are recommended at this time.

- Post Remediation Media Monitoring and Sampling: It is recommended that post-remediation groundwater sampling and testing continue to be completed in accordance with the procedures outlined in the SMP.

VI. Operation & Maintenance (O&M) Plan Compliance Report

The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems, air sparge/soil vapor extraction systems, etc. to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in the SMP and compliance with an O&M plan is not applicable for this PRR.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

The requirements identified in the SMP for the Site were met during the reporting period, and no modifications are required to bring the plan into compliance.

B. Performance and Effectiveness of the Remedy

An evaluation of the components of the SMP during the reporting period indicated that:

- the IC/EC controls were protective of human health and the environment;
- the monitoring plan sufficiently monitored the performance of the remedies implemented;
- the remedial program is achieving the remedial goals identified for the Site.

C. Future PRR Submittals

1. It is recommended that the frequency of future PRRs remain as identified in the SMP (i.e., submitted every year subsequent to this report, such that the next PRR covers the reporting period April 11, 2022 through April 11, 2023).

2. The requirements for site closure have not been achieved. As such, it is recommended that site management continue.

3. The next monitoring event is scheduled for around June 20, 2022.

PERIODIC REVIEW REPORT
REPORTING PERIOD APRIL 11, 2021 THROUGH APRIL 11, 2022

202 FRANKLIN STREET
OLEAN, NEW YORK
NYSDEC SITE NO. C905043

FIGURES

ATTACHMENTS

FIGURES

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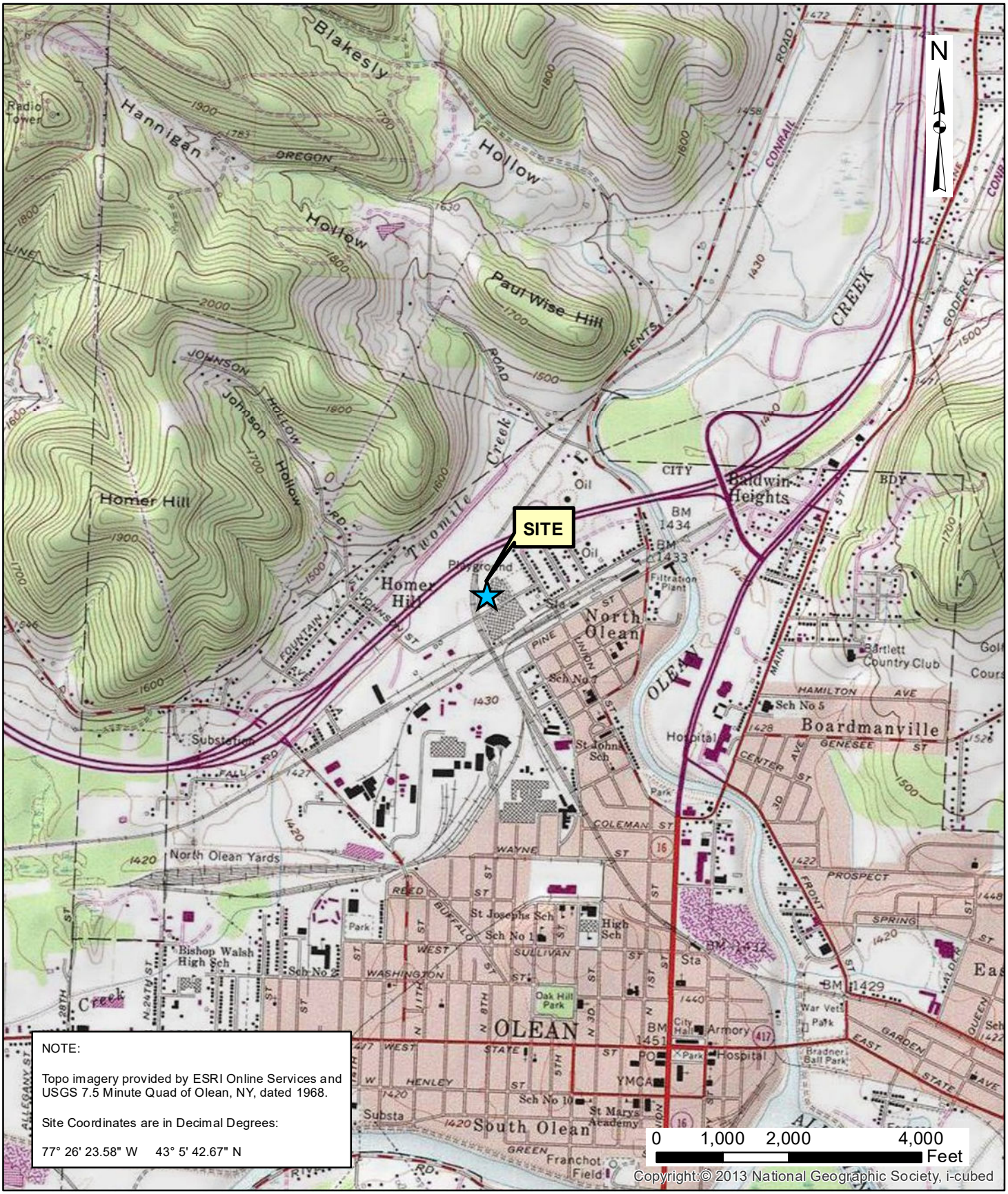
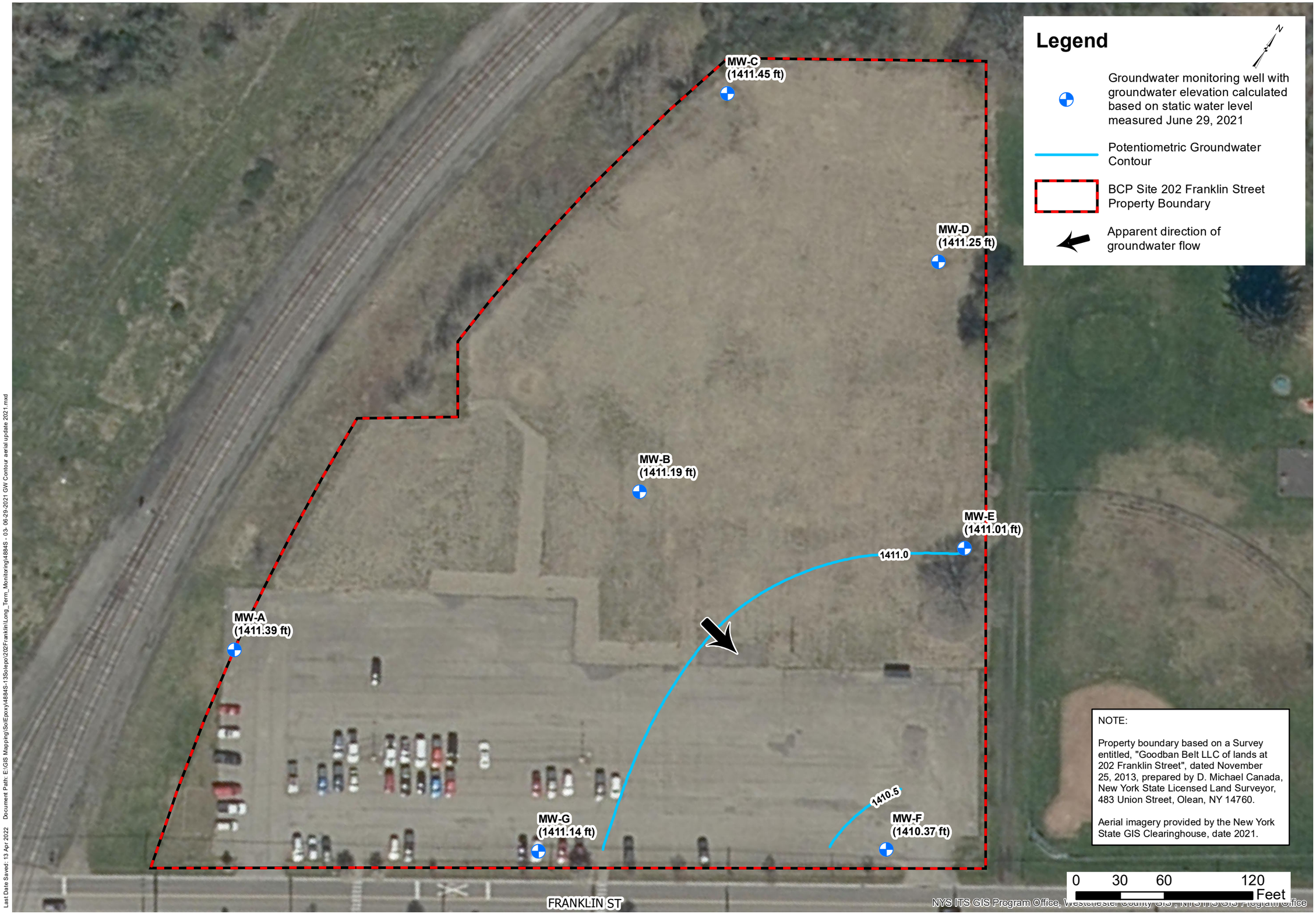
Last Date Saved: 15 Jul 2019



Date: 07/15/2019 Drawn By: CAH Scale: AS NOTED	**DAY ENVIRONMENTAL, INC.** Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title: 202 FRANKLIN STREET OLEAN, NEW YORK BCP SITE NO. C905043 Drawing Title: Site Location Map	Project No.: 4884S-13 FIGURE 1



Legend

- Groundwater monitoring well with groundwater elevation calculated based on static water level measured June 29, 2021
- Potentiometric Groundwater Contour
- BCP Site 202 Franklin Street Property Boundary
- Apparent direction of groundwater flow

NOTE:

Property boundary based on a Survey entitled, "Goodban Belt LLC of lands at 202 Franklin Street", dated November 25, 2013, prepared by D. Michael Canada, New York State Licensed Land Surveyor, 483 Union Street, Olean, NY 14760.

Aerial imagery provided by the New York State GIS Clearinghouse, date 2021.

DESIGNED BY	DRAWN BY	SCALE	DATE
CAH	CAH/CPS	AS NOTED	07-2021

DATE DRAWN	DATE ISSUED
07-2021	04-13-2022

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title: 202 FRANKLIN STREET OLEAN, NEW YORK
BCP SITE NO. C905043

Drawing Title: Groundwater Contour Map: June 29, 2021

Project No.: 4884S-13

FIGURE 2

Last Date Saved: 13 Apr 2022 Document Path: E:\GIS Mapping\Soil\Epoxy\4884S-13Soilepox\202Franklin\Long_Term_Monitoring\4884S - 03- 06-29-2021 GW Contour aerial update 2021.mxd

ATTACHMENT A

PROPERTY SURVEY MAP

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	1432.69'	338.04'	337.26'	N 05°34'22" W
C2	1240.79'	266.80'	266.29'	N 13°20'34" E
C3	5544.58'	174.67'	174.66'	N 60°12'59" E

LINE	BEARING	DISTANCE
L1	N 59°28'08" E	68.03'
L2	N 30°28'00" W	51.78'

Environmental Easement description
202 Franklin Street

Beginning at the intersection of the north bounds of Franklin Street with the east bounds of lands of Southern Tier Rail Authority LLC, thence along the east bounds of lands of Southern Tier Rail Authority:
1) along a curve to the right, with a radius of 1432.69',
a arc length of 338.04' which is subtended by a
chord of N 5-34-22 W, a distance of 337.26' to a point
2) N 59-28-08 E, a distance of 68.03' to a point
3) N 30-28-00 W, a distance of 51.78' to a point
4) along a curve to the right, with a radius of 1240.79',
a arc length of 266.80' which is subtended by a
chord of N 13-20-34 E, a distance of 266.29' to a
point, thence along the south bounds of Interstate Route 86:
along a curve to the right, with a radius of 5544.58',
a arc length of 174.67' which is subtended by a
chord of N 60-12-59 E, a distance of 174.66' to a point
thence S 30-06-22 E, through the lands of Goodban Belt LLC, a distance of 547.88' to a point,
thence S 59-32-00 W along the north bounds of Franklin Street, a distance of 565.54' to the point of beginning

Contains 5.159 acres+/-

References

1) Title Search/
Dated: December 20, 2010
File #5005973
Policy #7430732-8296035
Frontier Abstract & Research Services, Inc.

2) Deed/
Henkel Corporation to Goodban Belt LLC
Instrument # 145975-001
Dated: August 31, 2010
Recorded: September 1, 2010

3) Survey/
for Dexter Corporation
Dated: August 2, 1979
by M.C. Ackerman, LS 23028

300 200 100 0
1IN=100FT
91.44 60.96 30.48 0
1IN=30.48METERS

Typical Symbols
-hydrant
-utility pole
-light pole
-monitor well
d. -deed distance
m. measured distance

This survey is certified to the following/

1) New York State Department of Environmental Conservation

Map and Survey for:
Goodban Belt LLC
of lands at
202 Franklin Street

Copies Invalid Unless Embossed

Part of Lots 4 & 6, Section 5 , Twp.# 2, Range # 4 of the Holland Land Co.'s Survey
Blocks 64 and 74 and part of Blocks 63, 65, 73, 75, 80, 81, and 82
Part of Franklin, Washington, Vine, and Spruce streets, and other lands
according to the "Mann Map of Olean Depot"

City of Olean
Cattaraugus County, New York
Date: November 25, 2013
Scale: 1IN = 100FT

ATTACHMENT A
SURVEY MAP

Prepared By:
D. Michael Canada
New York State
Licensed Land Surveyor
483 North Union Street
Olean, NY 14760
N.Y.S. Lic. No.49215
716-379-7918

Job Number: 7526

ATTACHMENT B

ANNUAL GROUNDWATER MONITORING AND COVER INSPECTION, NYSDEC BCP SITE NO. C905043,
202 FRANKLIN STREET SITE, OLEAN, NEW YORK,
PREPARED BY DAY ENVIRONMENTAL, INC.
DATED SEPTEMBER 23, 2021 (REVISED OCTOBER 1, 2021)

day
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

September 23, 2021 (Revised October 1, 2021)

Silence Dogood, LLC
c/o Jeffrey Belt
211 Franklin Street
Olean, New York 14760

RE: Annual Groundwater Monitoring and Cover Inspection
NYSDEC BCP Site No. C905043
202 Franklin Street
Olean, New York

Dear Mr. Belt:

Day Environmental, Inc. (DAY) completed an annual groundwater monitoring event and cover inspection at the above-referenced property (Site) on June 29, 2021. The annual groundwater monitoring event and cover inspection are required components of the Site Management Plan (SMP) dated December 2019. The following sections describe the work completed and present data generated as part of the June 29, 2021 annual groundwater monitoring and cover inspection event. A project locus map, depicting the location of the Site, is provided as Figure 1.

Background

The Site was remediated under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The NYSDEC issued a certificate of completion for BCP Site C905043 on December 11, 2019.

Following the completion of the remedial work, some contamination was left at the Site beneath a cover system. This cover system consists of asphalt pavement (i.e., over the 1.83-acre portion is developed as a paved parking lot); one-foot thick mulch cover under the driplines of the remaining mature trees (i.e., located along the eastern edge of the Site); one-foot thick stone cover within a surface drainage channel (i.e., located north of the paved parking lot); and/or one-foot thick soil cover over the remaining portions of the Site. As such, the December 2019 SMP was prepared to manage the remaining contamination at the Site until the Environmental Easement is extinguished in accordance with New York State Environmental Law (ECL) Article 71, Title 36. As outlined in Section 4.0 *Monitoring and Sampling*, of the December 2019 SMP, the following actions are required to address the residual contamination: 1) the completion of annual groundwater sampling and analysis in the locations, and utilizing the methods, specified in the SMP and 2) completion of the annual cover inspection.

Field Activities

On June 29, 2021, DAY representatives were at the Site to conduct a site inspection and monitoring event in accordance with the December 2019 SMP. The following scope of work was completed:

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

- Measurement of static water level in groundwater monitoring wells MW-A through MW-G using a static water level meter;
- Collection of groundwater samples from monitoring wells MW-A through MW-G using low flow purge and sample techniques;
- Collection (using low flow purge and sample techniques) and subsequent field filtration (i.e., using a dedicated 0.45-micron filter) of an additional groundwater sample from monitoring well MW-E, to evaluate if elevated concentrations of select metals detected in the groundwater sample collected from this location during the previous annual sample event was due to suspended solids in the sample;
- A cover inspection that included photographing representative portions of the site cover and summarizing conditions on the Site-Wide Cover Inspection Form, to document current conditions; and
- Submittal of groundwater samples to Alpha Analytical Laboratory (Alpha) in Westborough, MA for testing. [Note: Due to a backlog of samples and in order to complete the sample analysis within the method holding time, Alpha utilized the sub-contracted services of Phoenix Environmental Laboratories in Manchester CT (Phoenix) to analyze the groundwater samples collected on June 29, 2021. Phoenix is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory.]
- Validation of the groundwater test results reported by Phoenix, and preparation of Data Usability Summary Report (DUSR), by Vali-Data of WNY, LLC.

The approximate locations of the groundwater monitoring wells that were assessed and sampled on June 29, 2021 are depicted on Figure 2. A summary of the groundwater elevations for June 29, 2021, calculated from the static groundwater levels measured on that date, are presented on Table 1. [Note: Table 1 also summarizes the construction details and the sampling program for the groundwater monitoring wells that comprise the long-term monitoring network required by the SMP.] The groundwater elevations calculated for June 29, 2021 were used to prepare the potentiometric groundwater contours that are depicted on Figure 2. The groundwater sampling activities are documented on the groundwater sampling logs included in Attachment A.

A copy of the June 29, 2021 Site-Wide Cover Inspection Form and copies of select photographs are included in Attachment B.

Analytical Laboratory Test Results

The groundwater samples collected on June 29, 2021 were tested by Phoenix for target analyte list (TAL) metals using USEPA Methods 6020B and 7040A.

A copy of the analytical laboratory report prepared by Phoenix and executed chain-of-custody documentation are included in Attachment C. A copy of the DUSR prepared by Vali-Data of WNY, LLC is also included in Attachment C. The constituents detected in the samples submitted for analytical laboratory testing as part of this groundwater monitoring event are summarized on Table 2 *Summary of TAL Metals: Groundwater Samples.* The TAL metals detected in the groundwater samples collected from the Site during the previous groundwater monitoring events are also summarized on Table 2. The results of the data validation have been incorporated into Table 2.

Table 2 includes applicable Class GA (i.e., potable drinking water from a groundwater source) standards or guidance values for the detected parameters as presented in NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled, Ambient Water Quality Standards and Guidance Effluent Limitations dated June 1998 as amended April 2000 (TOGS 1.1.1).

Conclusions and Recommendations

The annual inspection of the cover system revealed that, except for some minor cracking/separation of the asphalt in the Employee Parking Lot (i.e., evidenced by vegetative growth within the cracks) the cover was fully in-place and in good condition. The vegetative growth over the soil cover areas appears to be of greater density than when it was observed during the previous annual inspection (i.e., completed on June 25, 2020).

With the exception of calcium and sodium, the concentrations of each metal detected in the unfiltered groundwater sample collected using low-flow sampling methodologies on June 29, 2021 from MW-E were significantly lower than the concentration measured in the sample collected from MW-E on June 25, 2020. [Note: The filtered low-flow groundwater sample collected from monitoring well MW-E contained metal concentrations comparable to those detected in the unfiltered low-flow sample. These results suggest that the low-flow sample collected on June 29, 2021 is representative of dissolved constituents within the groundwater, and that the sample collected on June 25, 2020 may have been biased high due to the presence of suspended solids with the sample.] The concentrations of metals detected in the groundwater samples collected on June 29, 2021 from the other monitoring wells at the Site (i.e., MW-A through MW-D, MW-F and MW-G) were comparable to the concentrations from the samples collected on June 25, 2020 and during previous sampling events.

It is recommended that the vegetation be removed from the asphalt in the Employee Parking Lot and that the cracks in the asphalt be sealed to prevent further degradation to the asphalt cover. The repair activities completed and the results of the groundwater monitoring described herein should be included in the next Periodic Review Report for the Site, which is due May 11, 2022.

If there are questions regarding this submittal, please contact this office.

Very truly,
Day Environmental, Inc.

Charles Hampton
Project Geologist

Raymond L. Kampff
Principal

Enclosure

Figures:

Figure 1 – Project Locus Map
Figure 2 – Site Plan and Potentiometric Groundwater Contour Map measured on June 29, 2021

Tables:

Table 1 – Summary of Monitoring Well Location Details, Construction, Groundwater Elevations and Analytical Parameters for Long Term Monitoring
Table 2 – Summary of TAL Metals: Groundwater Samples

Attachments:

Attachment A – Groundwater Sampling Logs for June 29, 2021
Attachment B – Site-Wide Cover Inspection Form and Photographs
Attachment C – Analytical Laboratory Report, Chain-of Custody Documentation and DUSR

cc:
Megan Kuczka (NYSDEC)

F:\Clients-M\SolEpoxy\4884S-13\202 Franklin Street SMP Monitoring Events \2021-06-29

FIGURES

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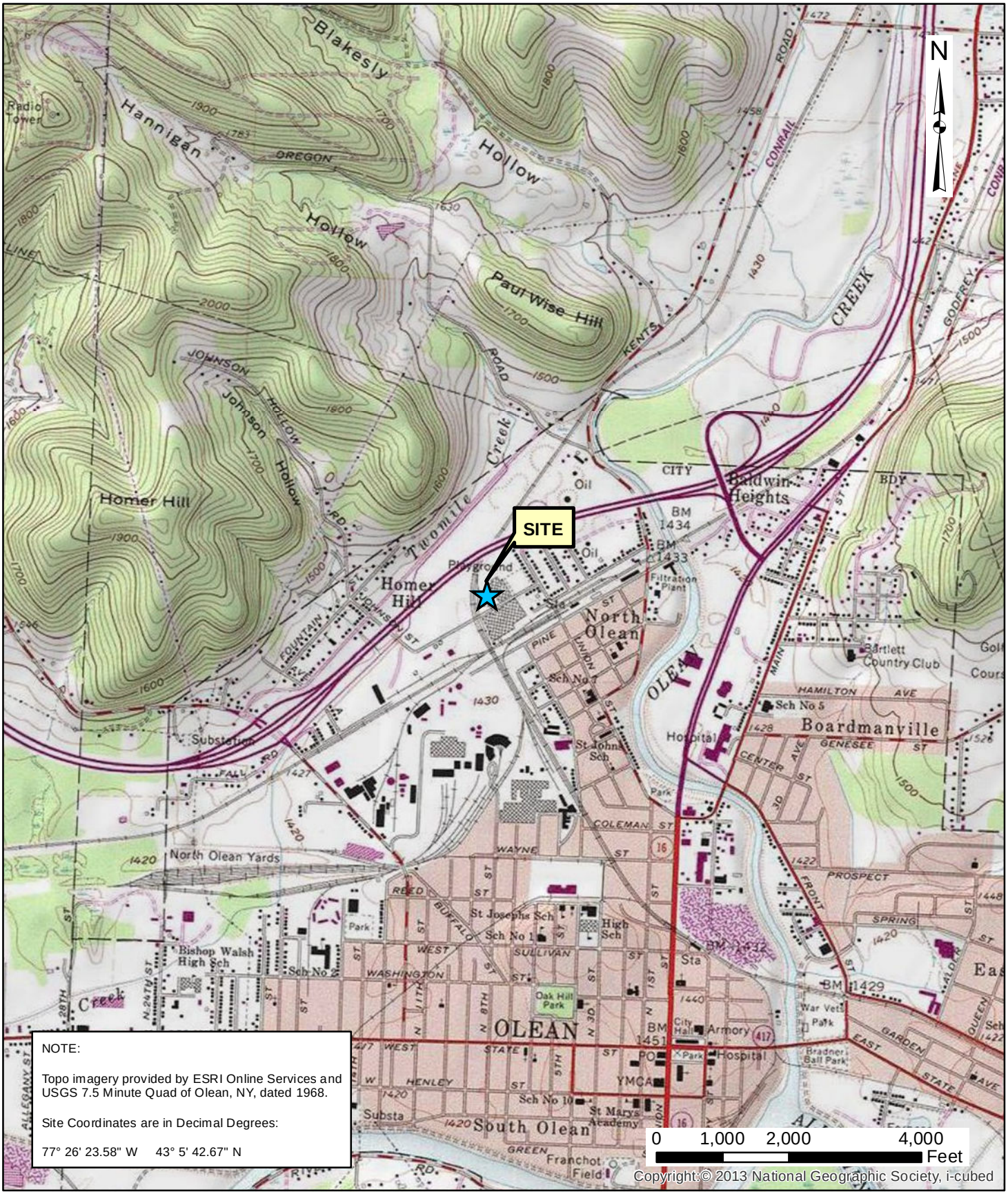

Date: 07/15/2019 Drawn By: CAH Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: 202 FRANKLIN STREET OLEAN, NEW YORK BCP SITE NO. C905043 Drawing Title: Site Location Map	Project No.: 4884S-13 FIGURE 1

Legend

- Groundwater monitoring well with groundwater elevation calculated based on static water level measured June 29, 2021
- Potentiometric Groundwater Contour
- BCP Site 202 Franklin Street Property Boundary
- Apparent direction of groundwater flow

NOTE:

Property boundary based on a Survey entitled, "Goodban Belt LLC of lands at 202 Franklin Street", dated November 25, 2013, prepared by D. Michael Canada, New York State Licensed Land Surveyor, 483 Union Street, Olean, NY 14760.

Aerial imagery provided by the New York State GIS Clearinghouse, date 2016.

DESIGNED BY	CAH
DATE	07-2021
DRAWN BY	CAH/CPS
DATE DRAWN	07-2021
SCALE	AS NOTED
DATE ISSUED	07-23-2021

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
202 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905043

Drawing Title
Groundwater Contour Map: June 29, 2021

Project No.
4884S-13

FIGURE 2

Last Date Saved: 26 Jul 2021 Document Path: E:\GIS Mapping\Soil\Epoxy\4884S-13S\olepo\202Franklin\Long_Term_Monitoring\4884S - 02- 06-29-2021 GW Contour.mxd

TABLES

TABLE 1
202 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905043

SUMMARY OF MONITORING WELL LOCATION DETAILS, CONSTRUCTION, GROUNDWATER ELEVATIONS AND ANALYTICAL PARAMETERS FOR LONGTERM MONITORING

Monitoring Well ID Sample Locations	Well Location	UTM NAD83 Coordinates (feet) (northing/ easting)	Well Diameter (inches)	Elevation (feet above mean sea level)								Analytical Parameters to be Analyzed Year 2
				Casing	Surface	Screen Top	Screen Bottom	Groundwater				
								7/10/2014	11/5/2014	6/25/2020	6/29/2021	
MW-A	On-site perimeter (up-gradient)	763496.8 1186801.0	1	1427.70	1428.04	1411.80	1401.80	1412.66	1410.17	1411.95	1411.39	TAL Metals
MW-B	On-site	763736.2 1186986.0	2	1429.95	1427.72*	1412.45	1402.45	1412.44	1410.02	1411.72	1411.19	TAL Metals
MW-C	On-site perimeter (up-gradient)	763995.0 1186888.3	2	1429.34	1426.69*	1417.34	1407.34	1412.71	1410.27	1411.93	1411.45	TAL Metals
MW-D	On-site	763978.7 1187071.6	2	1428.08	1426.12*	1412.08	1402.08	1412.52	1410.09	1411.76	1411.25	TAL Metals
MW-E	On-site perimeter (down-	763824.9 1187192.4	2	1427.40	1427.81*	1409.40	1399.40	1412.59	1409.90	1411.47	1411.01	TAL Metals
MW-F	On-site perimeter (down-	763624.6 1187259.2	2	1428.53	1428.92	1411.03	1401.03	1411.78	1409.31	1410.85	1410.37	TAL Metals
MW-G	On-site perimeter (down-	763493.8 1187059.7	2	1429.26	1429.66	1411.76	1401.76	1412.39	1410.05	1411.65	1411.14	TAL Metals

Notes:

* - Surface elevation prior to the placement of the minimum 1 foot tick soil cover over the portion of the Site on which this monitoring well is located.

TABLE 2
202 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905043

SUMMARY OF TAL METALS IN GROUNDWATER SAMPLES
REPORTED IN MICROGRAMS PER LITER OR PARTS PER BILLION

Detected Constituent	CAS Number	Groundwater Standard or Guidance Value (1)	MW-A				MW-B				MW-C				MW-D					
			6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	7/11/2017 FILTERED*	7/11/2017	6/25/2020	6/29/2021
Aluminum	7429-90-5	NA	U	U	U (10)	U (40)	U	U	U (10)	U (40)	82.6 b	U	U (10)	U (40)	3040	U	NT	NT	U (10)	U (40)
Antimony	7440-36-0	3	U	U	U (0.42)	U (0.2)	U	U	U (0.42)	U (0.2)	9.5 b	U	U (0.42)	U (0.2)	U	U	NT	NT	U (0.42)	U (0.2)
Arsenic	7440-38-2	25	U	U	0.7	U (0.2)	4.6 b	U	0.65	U (0.2)	U	U	5.61	6	31.5	63.4	45.3	52.4	52.73	49.4
Barium	7440-39-3	1,000	216	204	120.4 JH	180 JH	191 b	290	1,101 JH	784 JH	80.6 b	101 b	7.35 JH	10 JH	1,530	2,490	2,370	2,580	2,444 JH	2,190 JH
Beryllium	7440-41-7	3	U	U	U (0.1)	U (0.2)	U	U	U (0.1)	U (0.2)	U	U	U (0.1)	U (0.2)	U	U	NT	NT	U (0.1)	U (0.2)
Cadmium	7440-43-9	5	U	U	U (0.2)	U (0.2)	U	U	U (0.05)	U (0.2)	U	U	U (0.05)	U (0.2)	U	U	NT	NT	U (0.05)	U (0.2)
Calcium	7440-70-2	NA	81,800	103,000	73,600 JH	101,000 JH	139,000	149,000	124,000 JH	131,000 JH	204,000	222,000	82,400 JH	102,000 JH	139,000	141,000	NT	NT	131,000 JH	128,000 JH
Chromium	7440-47-3	50	U	U	U (1)	U (0.2)	U	U	U (0.17)	U (4)	U	U	U (0.17)	U (4)	3.7 b	U	NT	NT	U (0.17)	U (4)
Cobalt	7440-48-4	NA	U	U	0.5	U (0.2)	U	1.6 b	U (0.16)	0.2 J	5.1 b	3.9 b	U (0.16)	0.3 J	4.1 b	U	NT	NT	0.2 J	0.4 J
Copper	7440-50-8	200	U	U	1.14	U (1)	U	U	1.13	1.4 JH	4.5 b	4.2 b	1.3	2.4 JH	16.8 b	U	NT	NT	0.96 J	1.6 JH
Iron	7439-89-6	300	13,200	11,800	U	16,500 JH	64.3 b	2,460	U	2,870 JH	1,630	3,450	U	300 JH	11,700	12,600	NT	NT	U	14,900 JH
Lead	7439-92-1	25	U	U	U (0.34)	U (0.2)	U	U	U (0.34)	U (0.2)	5.6	U	U (0.34)	U (0.2)	8.9 b	U	NT	NT	U (0.34)	U (0.2)
Magnesium	7439-95-4	35,000	4,460	5,260	3,120 JH	4,280 JH	21,700	23,400	19,900 JH	19,000 JH	18,700	23,100	8,830 JH	9,010 JH	26,000	26,000	NT	NT	24,400 JH	21,000 JH
Manganese	7439-96-5	300	673	909	1,092 JH	965 JH	1,580	2,330	1,374 JH	1,570 JH	2,320	2,500	44.45 JH	228 JH	3,650	2,740	NT	NT	1,955 JH	1,720 JH
Mercury	7439-97-6	0.7	U	U	U (0.09)	U (0.15)	U	U	U (0.09)	U (0.15)	U	U	U (0.09)	U (0.15)	U	U	NT	NT	U (0.09)	U (0.15)
Nickel	7440-02-0	100	U	U	U (2)	2.1	5.2 b	3.4 b	U (0.55)	3.2	10.2	6.4 b	U (2)	5.8	9.5 b	1.1 b	NT	NT	U (2)	3.2
Potassium	9/7/7440	NA	5,330	5,020 E,J	4,140 JH	4,950	3,880	4,200	3,850 JH	3,530	6,320	6,330 E	4,730 JH	4,380	4,490	4,260 E	NT	NT	3,850 JH	3,470
Selenium	7782-49-2	10	14.9 b	U	U (1.73)	U (0.2)	U	U	U (1.73)	U (0.2)	35.2	U	28.8	14 JH	12.3 b	U	NT	NT	U (1.73)	U (0.2)
Silver	7440-22-4	50	U	U	U (0.16)	U (0.2)	U	U	U (0.16)	U (0.2)	U	U	U (0.16)	U (0.2)	U	U	NT	NT	U (0.16)	U (0.2)
Sodium	7440-23-5	20,000	59,800	34,500	20,600 JH	45,400	74,900	100,000	90,200 JH	61,300 J	65,200	105,000	14,100 JH	12,400	142,000	153,000	NT	NT	179,000 JH	139,000 JH
Thallium	7440-28-0	0.5	U	U	U (0.14)	U (0.2)	U	U	U (0.14)	U (0.2)	U	U	U (1)	U (0.2)	U	U	NT	NT	U (0.14)	U (0.2)
Vanadium	7440-62-2	NA	U	U	U (1.57)	U (0.2)	U	1.2 b	U (1.57)	U (0.2)	U	U	U (1.57)	4.2 JH	4.8 b	U	NT	NT	U (1.57)	U (0.2)
Zinc	7440-66-6	2,000	U	U	U (10)	12 JH	U	U	U (3.41)	U(2)	22.5 b	U	U (10)	7 JH	54.1	U	NT	NT	U (10)	2 JH

Detected Constituent	CAS Number	Groundwater Standard or Guidance Value (1)	MW-E					MW-F				MW-G			
			6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/29/2021 FILTERED*	6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	6/25/2020	6/29/2021
Aluminum	7429-90-5	NA	U	U	36,500 JH	45 JH	3.5 JH	U	U	U (10) J	U (40)	175 b	U	U (10)	U (40)
Antimony	7440-36-0	3	U	U	U (0.42)	U (0.2)	U (0.2)	U	U	0.68 J	U (0.2)	U	U	0.45 J	U (0.2)
Arsenic	7440-38-2	25	U	U	39.32	3.9	U (0.2)	5 b	U	0.58	U (0.2)	9 b	U	2.07	U (0.2)
Barium	7440-39-3	1,000	103 b	222	2,528 JH	1,830 JH	1,830 JH	282	330	246.7 JH	391 JH	955	786	1,043 JH	1,440 JH
Beryllium	7440-41-7	3	U	U	2.19	U (0.2)	U (0.2)	U	U	U (0.1)	U (0.2)	U	U	U (0.1)	U (0.2)
Cadmium	7440-43-9	5	U	U	0.57 JH	U (0.2)	U (0.2)	U	U	U (0.2)	U (0.2)	U	U	U (0.05)	U (0.2)
Calcium	7440-70-2	NA	123,000	154,000	141,000 JH	143,000 JH	153,000 JH	149,000	119,000	109,000 JH	122,000 JH	178,000	145,000	175,000 JH	231,000 JH
Chromium	7440-47-3	50	0.77 b	U	40.66 JH	U (4)	3.4 J	U	U	U (0.17)	2 J	U	U	U (0.17)	U (0.2)
Cobalt	7440-48-4	NA	U	U	57.24	0.8 J	0.7 J	U	U	0.49 J	0.6 J	U	U	U (0.16)	0.3 J
Copper	7440-50-8	200	U	U	99.66	3.2 JH	U (11)	U	U	1.07	1.3 JH	U	U	0.93 J	2.3 JH
Iron	7439-89-6	300	179 b	96.3 b	101,000 JH	2,160 JH	410 JH	U	44.8 b	U	30	6,130	4,850	U	7,140 JH
Lead	7439-92-1	25	U	U	154.4 JH	4.3	U (0.2)	U	U	U (0.34)	U (0.2)	U	U	U (0.34)	U (0.2)
Magnesium	7439-95-4	35,000	15,900	24,300	41,000 JH	25,500 JH	26,000	21,900	17,600	16,000 JH	17,400 JH	19,600	15,800	13,900 JH	19,600 JH
Manganese	7439-96-5	300	23.6 b	444	7,993 JH	3,660 JH	3,500 JH	183	544	1,455 JH	1,010 JH	2,140	1,850	1,182 JH	2,120 JH
Mercury	7439-97-6	0.7	U	U	0.3	U (0.15)	U (0.15)	U	U	U (0.09)	U (0.15)	U	U	U (0.09)	U (0.15)
Nickel	7440-02-0	100	0.85	1.9 b	95.13 JH	10.2	10.6	U	0.87 b	U (2)	5.1	U	U	U (0.55)	4.9
Potassium	9/7/7440	NA	3,230	4,210 E	6,310 JH	3,440	3,480	4,100	4,270 E	3,590 JH	3,580	3,290	3,560 E	5,510 JH	5,290
Selenium	7782-49-2	10	U	U	20.6	U (0.2)	U (0.2)	U	U	U (1.73)	0.2 J	U	U	U (1.73)	U (0.2)
Silver	7440-22-4	50	U	U	U (0.16)	U (0.2)	U (0.2)	U	U	U (0.16)	U (0.2)	U	U	U (0.16)	U (0.2)
Sodium	7440-23-5	20,000	74,800	128,000	165,000 JH	227,000 JH	242,000 JH	102,000	75,900	79,200 JH	56,400 J	70,800	55,000	50,900 JH	65,800 J
Thallium	7440-28-0	0.5	U	7.6 b	U (1)	U (0.2)	U (0.2)	U	U	U (1)	U (0.2)	U	U	U (1)	U (0.2)
Vanadium	7440-62-2	NA	U	U	31.8	U (0.2)	U (0.2)	U	U	U (1.57)	U (0.2)	U	U	U (1.57)	U (0.2)
Zinc	7440-66-6	2,000	5.9 b	U	432.6 JH	8 JH	U (9)	U	U	U (10)	(U) 4	U	U	U (10)	U (2)

Notes

Results of data validation have been incorporated

Groundwater test results, Groundwater Standards and Guidance Values are presented in micrograms per liter (µg/L) or parts per billion (ppb).

Groundwater Standards or Guidance Values as referenced in New York State Department of Environmental Conservation (NYSDEC) Technical and Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

U = The analyte was analyzed for, but was not detected above the associated reported quantitation limit (in parenthesis). Refer to the analytical laboratory reports for the associated reported quantitation limits of samples collected prior to June 25, 2020.

J = Estimated Concentration.

J- = The analyte was positively identified; however, the associated numerical value is an estimated quantity that may be biased low.

JH = The analyte was positively identified; however, the associated numerical value is an estimated quantity that may be biased high.

E = an estimated concentration due to the presence of interferences

b = indicates a concentration below the reporting limit and equal to or above the detection limit

NA = Not Available

NT = Not Tested

* - A 0.45 micron filter was installed on the discharge end of the pump tubing to collect a 'soluble' sample.

59,800 = Concentration exceeds the respective Groundwater Standard or Guidance Value

ATTACHMENT A

GROUNDWATER SAMPLING LOGS

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-A

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 202 Franklin Street, Olean, New York **JOB #** 4884S-13

PROJECT NAME: NYSDEC BCP Site C905043 **DATE:** June 29, 2021

SAMPLE COLLECTOR(S): CAH/ CMC **WEATHER:** Partly Cloudy, ~90° F

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT BTOC]: 15.56 - 25.56 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 16.31 / 6-29-21

WELL DEPTH [FT BTOC]: 25.56 **DEPTH OF PUMP INTAKE [FT BTOC]:** 20.9
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** NM **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump **WATER LEVEL METER:** Heron OWI

WATER QUALITY METER(s): YSI Pro DDS

STABILIZED PUMP RATE (ml/min): 100 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 16.32

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:17	NM								0
15:24	100	16.32	0.93	-179.5	4.00	0.811	6.92	17.6	700
15:27	100	16.32	0.65	-163.5	6.41	0.809	6.75	17.5	1,000
15:30	100	16.32	0.58	-161.4	4.50	0.809	6.71	17.6	1,300
15:33	100	16.32	0.53	-160.4	4.36	0.808	6.71	17.1	1,600
15:36	100	16.32	0.51	-160.7	4.22	0.808	6.66	17.1	1,900
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	SAMPLE OBSERVATIONS: Clear, slight petroleum-type odor.								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-A/20210629	6-29-21 / 15:37	Peristaltic Pump	TAL Metals

NM = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-B

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 202 Franklin Street, Olean, New York **JOB #** 4884S-13

PROJECT NAME: NYSDEC BCP Site C905043 **DATE:** June 29, 2021

SAMPLE COLLECTOR(S): CAH/ CMC **WEATHER:** Clear, ~85° F

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BTOC]: 19.73 - 29.73 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 18.76 / 6-29-21

WELL DEPTH [FT BTOC]: 29.73 **DEPTH OF PUMP INTAKE [FT BTOC]:** 24.2
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** NM **OTHER OBSERVATIONS:** Iron bacteria in purge water

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump **WATER LEVEL METER:** Heron OWI

WATER QUALITY METER(s): YSI Pro DDS

STABILIZED PUMP RATE (ml/min): 100 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 18.78

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:23	NM								0
14:30	100	18.78	NM	-100.8	29.20	1.080	7.11	16.8	700
14:33	100	18.78	0.64	-129.2	112.37	1.088	7.06	16.6	1,000
14:36	100	18.78	0.58	-133.6	129.03	1.094	7.04	16.2	1,300
14:39	100	18.78	0.53	-139.3	153.45	1.098	7.00	16.2	1,600
14:42	100	18.78	0.49	-149.4	198.70	1.100	6.97	16.4	1,900
14:45	100	18.78	0.47	-148.8	55.75	1.096	6.96	16.4	2,200
14:48	100	18.78	0.47	-152.2	64.63	1.095	6.96	16.2	2,500
14:51	100	18.78	0.46	-155.6	110.72	1.099	6.95	15.8	2,800
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	SAMPLE OBSERVATIONS: Iron bacteria globules in sample								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-B/20210629	6-29-21 / 14:55	Peristaltic Pump	TAL Metals

NM = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-C

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 202 Franklin Street, Olean, New York **JOB #** 4884S-13

PROJECT NAME: NYSDEC BCP Site C905043 **DATE:** June 29, 2021

SAMPLE COLLECTOR(S): CAH/ CC **WEATHER:** Clear, ~85° F

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BTOC]: 14.65 - 24.65 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 17.89 / 6-29-21

WELL DEPTH [FT BTOC]: 24.65 **DEPTH OF PUMP INTAKE [FT BTOC]:** 21.2
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** NM **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump **WATER LEVEL METER:** Heron OWI

WATER QUALITY METER(s): YSI Pro DDS

STABILIZED PUMP RATE (ml/min): 100 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 17.92

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:35	NM								0
13:44	100	17.89	1.07	-66.8	3.67	0.611	6.27	14.7	900
13:47	100	17.89	0.79	-48.1	6.03	0.606	6.15	14.0	1,200
13:50	100	17.89	0.56	-37.8	24.70	0.607	6.06	14.2	1,500
13:53	100	17.92	0.52	-38.0	37.60	0.606	6.05	14.2	1,800
13:56	100	17.92	0.52	-38.1	133.51	0.607	6.03	14.0	2,100
13:59	100	17.92	0.52	-38.3	49.17	0.604	6.02	13.9	2,400
14:02	100	17.92	0.49	-38.5	5.80	0.607	6.00	13.9	2,700
14:05	100	17.92	0.49	-40.1	4.51	0.607	6.01	14.2	3,000
14:08	100	17.92	0.48	-42.5	6.46	0.607	6.01	14.2	3,300
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	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-C/20210629	6-29-21 / 14:09	Peristaltic Pump	TAL Metals

NM = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-D

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 202 Franklin Street, Olean, New York **JOB #** 4884S-13

PROJECT NAME: NYSDEC BCP Site C905043 **DATE:** June 29, 2021

SAMPLE COLLECTOR(S): CAH/ CMC **WEATHER:** Clear, ~85° F

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BTOC]: 17.96 - 27.96 **INITIAL WATER LEVEL (SWL) [FT BTOC]:** SWL / Date Measured 16.83 / 6/29/21

WELL DEPTH [FT BTOC]: 27.96 **DEPTH OF PUMP INTAKE [FT BTOC]:** 22.4
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** NM **OTHER OBSERVATIONS:** Iron bacteria observed

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump **WATER LEVEL METER:** Heron OWI

WATER QUALITY METER(s): YSI Pro DDS

STABILIZED PUMP RATE (ml/min): 110 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 16.83

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:55	NM								0
13:04	110	16.83	1.52	-202.7	2.20	1.546	7.14	15.3	990
13:07	110	16.83	0.82	-184.9	1.00	1.533	7.01	15.1	1,320
13:10	110	16.83	0.70	-183.9	1.24	1.534	6.96	14.7	1,650
13:13	110	16.83	0.57	-182.4	1.20	1.527	6.93	14.8	1,980
13:16	110	16.83	0.55	-182.5	1.52	1.527	6.93	15.2	2,310
13:19	110	16.83	0.51	-184.1	1.99	1.529	6.93	14.8	2,640
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	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-D/20210629	6-29-21 / 13,20	Peristaltic Pump	TAL Metals

NM = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-E

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 202 Franklin Street, Olean, New York **JOB #** 4884S-13

PROJECT NAME: NYSDEC BCP Site C905043 **DATE:** June 29, 2021

SAMPLE COLLECTOR(S): CAH/ CC **WEATHER:** Clear, ~80° F

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BTOC]: 17.59 - 27.59 **INITIAL WATER LEVEL (SWL) [FT BTOC]:** SWL / Date Measured 16.39 / 6/29/21

WELL DEPTH [FT BTOC]: 27.59 **DEPTH OF PUMP INTAKE [FT BTOC]:** 21.9
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** NM **OTHER OBSERVATIONS:** Iron bacteria in purge water

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump **WATER LEVEL METER:** Heron OWI

WATER QUALITY METER(s): YSI Pro DDS

STABILIZED PUMP RATE (ml/min): 100 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 16.39

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:36	NM								0
11:44	100	16.39	1.06	-50.7	9.40	2.109	7.01	14.7	800
11:47	100	16.39	0.85	-63.2	10.25	2.102	6.92	14.4	1,100
11:50	100	16.39	0.65	-69.8	7.46	2.090	6.85	14.7	1,400
11:53	100	16.39	0.60	-66.0	7.24	2.084	6.84	15.0	1,700
11:56	100	16.39	0.58	-69.2	6.29	2.092	6.82	14.9	2,000
11:59	100	16.39	0.56	-71.4	7.94	2.092	6.82	14.6	2,300
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	SAMPLE OBSERVATIONS:								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-E/20210629	6-29-21 / 12:01	Peristaltic Pump	TAL Metals
MW-E/Filter/20210629	6-29-21 / 12:18	Peristaltic Pump/0.45 micron filter	TAL Metals

NM = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-F

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 202 Franklin Street, Olean, New York **JOB #** 4884S-13

PROJECT NAME: NYSDEC BCP Site C905043 **DATE:** June 29, 2021

SAMPLE COLLECTOR(S): CAH/ CMC **WEATHER:** Clear, ~80° F

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BTOC]: 17.11 - 27.11 **INITIAL WATER LEVEL (SWL) [FT BTOC]:** SWL / Date Measured 18.16 / 6-29-21

WELL DEPTH [FT BTOC]: 27.11 **DEPTH OF PUMP INTAKE [FT BTOC]:** 22.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** NM **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump **WATER LEVEL METER:** Heron OWI

WATER QUALITY METER(s): YSI Pro DDS

STABILIZED PUMP RATE (ml/min): 100 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 18.16

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:30	NM								0
10:36	100	18.16	1.37	-106.0	0.45	1.018	6.84	17.1	600
10:39	100	18.16	0.71	-76.3	0.63	1.016	6.62	16.9	900
10:42	100	18.16	0.64	-70.6	0.90	1.016	6.58	16.3	1,200
10:45	100	18.16	0.57	-68.6	2.00	1.015	6.57	16.3	1,500
10:48	100	18.16	0.55	-68.1	2.83	1.016	6.58	16.5	1,800
10:51	100	18.16	0.53	-58.8	4.01	1.017	6.62	16.6	2,100
10:54	100	18.16	0.52	-63.9	5.60	1.018	6.61	16.5	2,400
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	SAMPLE OBSERVATIONS:								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-F/20210629	6-29-21 / 10:58	Peristaltic Pump	TAL Metals

NM = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-G

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 202 Franklin Street, Olean, New York **JOB #** 4884S-13

PROJECT NAME: NYSDEC BCP Site C905043 **DATE:** June 29, 2021

SAMPLE COLLECTOR(S): CAH/ CMC **WEATHER:** Partly Cloudy, ~90° F

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BTOC]: 17.10 - 27.10 **INITIAL WATER LEVEL (SWL) [FT BTOC]:** SWL / Date Measured 18.12 / 6-29-21

WELL DEPTH [FT BTOC]: 27.10 **DEPTH OF PUMP INTAKE [FT BTOC]:** 22.6
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** NM **OTHER OBSERVATIONS:** Iron bacteria observed

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump **WATER LEVEL METER:** Heron OWI

WATER QUALITY METER(s): YSI Pro DDS

STABILIZED PUMP RATE (ml/min): 100 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 18.12

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
16:22	NM								0
16:28	100	18.12	0.90	-187.4	4.93	1.664	6.89	17.2	600
16:31	100	18.12	0.60	-163.5	7.69	1.648	6.73	16.7	900
16:34	100	18.12	0.61	-162.4	16.19	1.649	6.70	16.3	1,200
16:37	100	18.12	0.55	-160.7	4.64	1.629	6.69	16.5	1,500
16:40	100	18.12	0.53	-159.9	9.75	1.630	6.68	16.6	1,800
16:43	100	18.12	0.50	-160.4	4.97	1.635	6.68	16.8	2,100
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	SAMPLE OBSERVATIONS: Iron bacteria noted in sample								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-G/20220629	6-29-21 / 16:45	Peristaltic Pump	TAL Metals

NM = Not Measured
ND = Not Detected

ATTACHMENT B

SITE-WIDE COVER INSPECITON FORM
AND
PHOTOGRAPHS

Site-Wide Inspection Form

202 Franklin Street

City of Olean, New York

NYSDEC Site Number: C905043

Date of Inspection Site Visit: June 29, 2021

Personnel Performing Inspection Site Visit: Charles Hampton

Affiliation of Personnel: Day Environmental, Inc

1. **Check integrity of impermeable portions (e.g., concrete and asphalt) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

Asphalt pavement is in good condition, however weeds/vegetation are growing through cracks/former sealant joints - recommend removing vegetation and sealing cracks to prevent degradation

2. **Check integrity of permeable portions (e.g., soil) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

1-foot soil cover is in good condition;
1-foot mulch cover is in good condition; and
drainage swale stone cover is in good condition.

3. **Check integrity of vegetative cover (e.g., grass), include whether any dead areas, erosion, etc.**

Discuss observations and any corrective actions:

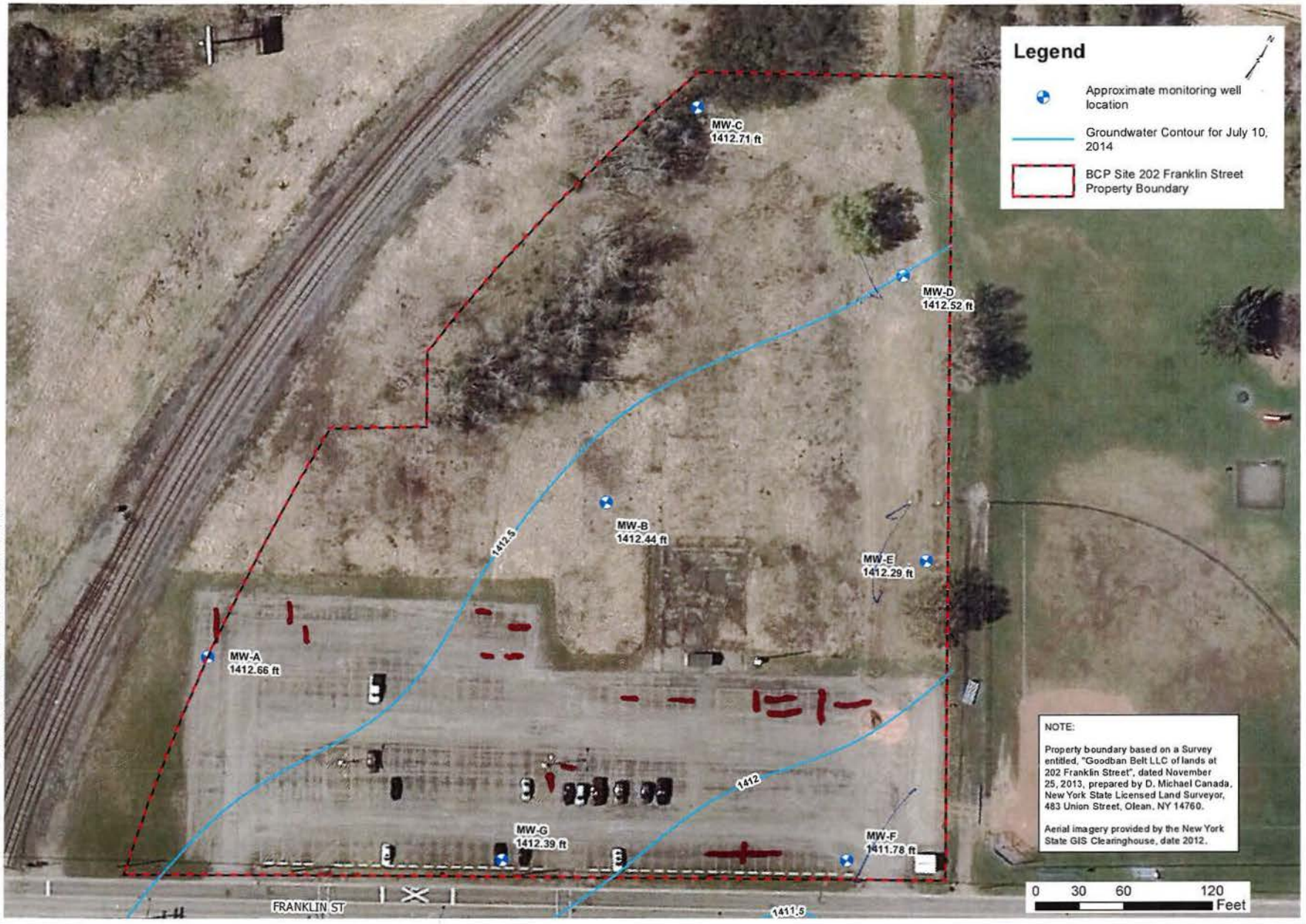
vegetative cover over 1-foot soil cover is more densely populated than previous monitoring event; although not grass-type vegetation, the vegetation appears to have spread over the 1-foot soil cover area and appears to be holding the cover evenly in place.

Vegetative cover over the other portions of the site appears healthy, but dry (east, west and south of the parking lot)

4. Groundwater Monitoring Well Assessment

Discuss observations and any corrective actions:

functioning - sampled MW-A through MW-G on 6/29/21



DESIGNED BY RLK | DATE 02-2015
DRAWN BY CAH/CPS | DATE DRAWN 02-2015
SCALE AS NOTED | DATE ISSUED 07-16-2019

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

202 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905043

SITE MANAGEMENT PLAN

Drawing Title: Groundwater Contour Map: July 10, 2014

Project No. 4884S-13

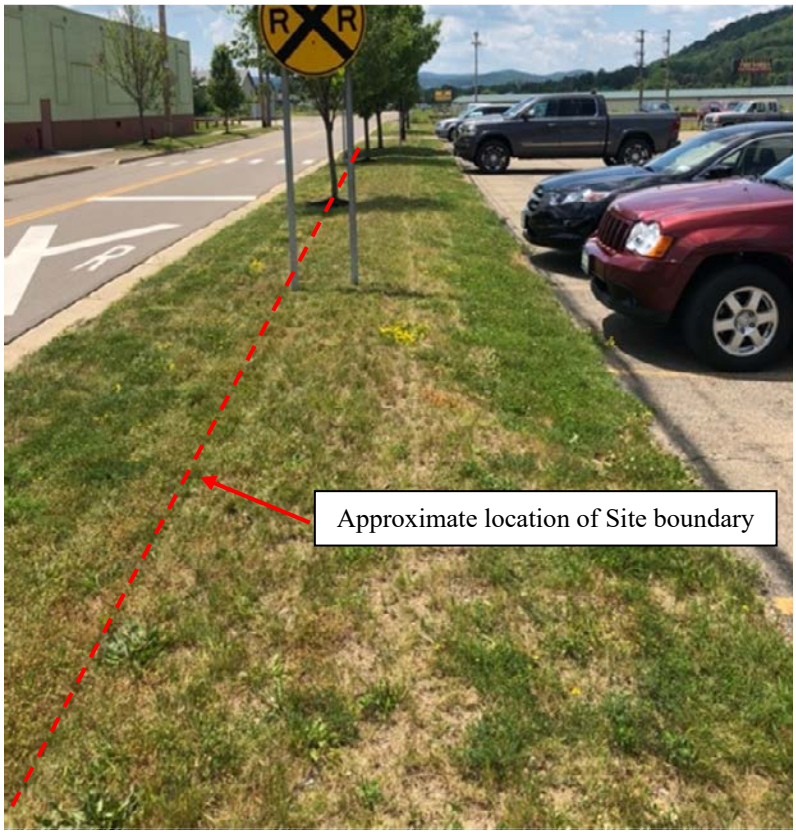
FIGURE 5A

— line of vegetation growing through asphalt pavement (approximate)

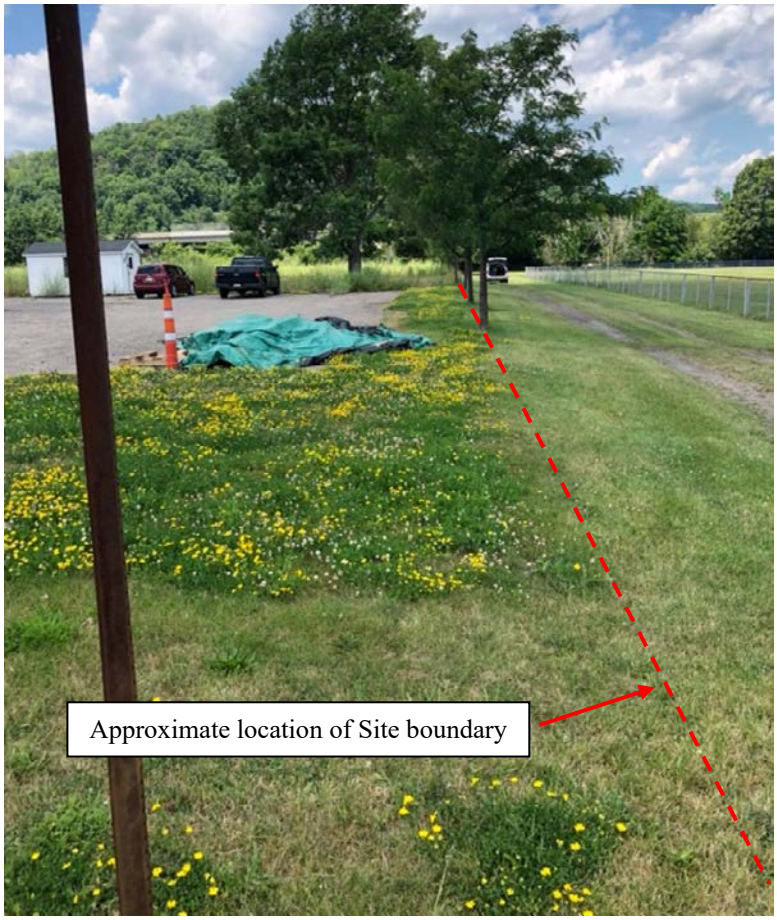
Western portion of the asphalt cover over the Employee Parking Lot, located on the southern portion of the Site, facing east.

Eastern portion of the asphalt cover over the Employee Parking Lot, located on the southern portion of the site, facing northeast.

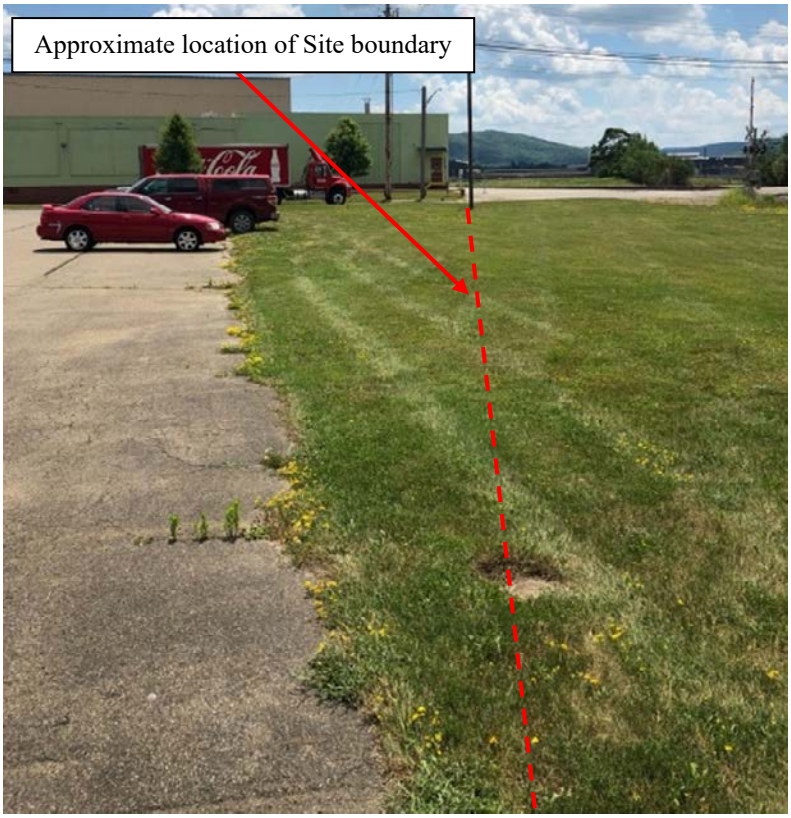
Typical view of vegetation growing in cracks in the asphalt cover, facing north.



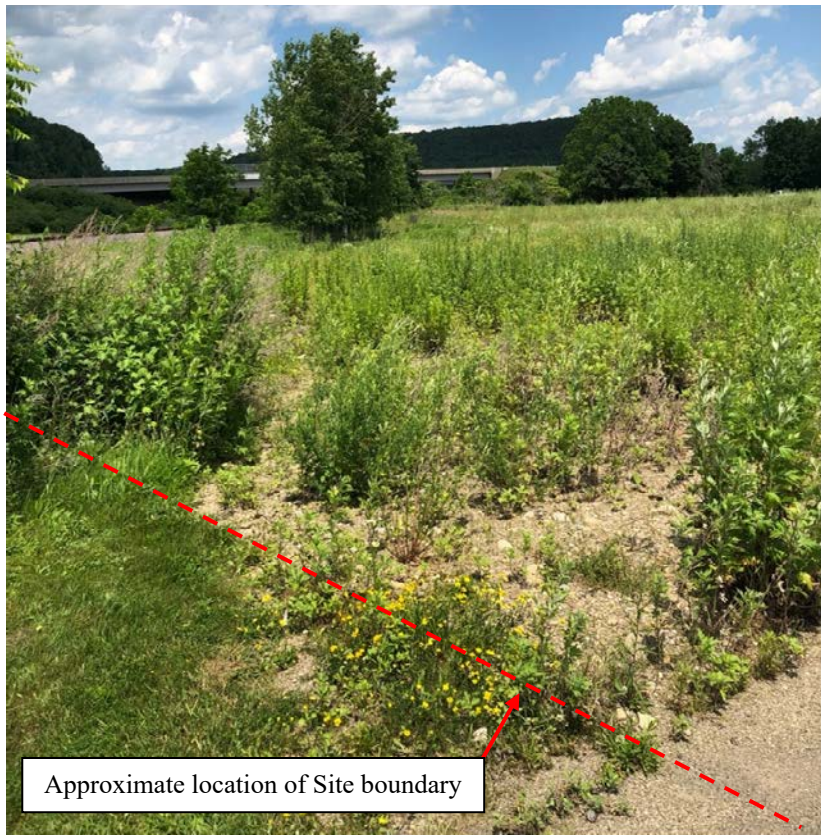
Typical view of soil cover (center), located along the southern edge of the Site, facing west



View of soil cover (center), located at the southeast corner of the Site and along the southeast edge of the Site, facing north.



View of soil cover (center) and asphalt cover (left), located along the southwestern edge of the Site, facing south.



View of the soil cover area with moderately dense vegetative cover, located on the western portion of the Site, facing northeast.

View of soil cover area with moderately dense vegetative cover (left) and asphalt cover (right), located on the western portion of the Site, facing east.

View of the soil cover and moderate vegetative cover, located on the northeast portion of the Site, facing southwest.

View of the soil cover and moderate vegetative cover, located on the northwest portion of the Site, facing east.

Typical view of drainage channel, located adjacent to the north of the Employee Parking Lot, facing west.

Typical view of mulch cover, located below/around select trees growing along the eastern edge of the Site, facing northwest.

ATTACHMENT C

ANALYTICAL LABORATORY REPORTS

CHAIN-OF-CUSTODY DOCUMENTATION

AND

DATA USABILITY SUMMARY REPORT (DUSR)

PHOENIX
Environmental Laboratories, Inc.

Wednesday, July 28, 2021

Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Project ID: **L2135355**
SDG ID: **GCI69808**
Sample ID#s: CI69808 - CI69816

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

July 28, 2021

SDG I.D.: GCI69808

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

July 28, 2021

SDG I.D.: GCI69808

Project ID: L2135355

Client Id	Lab Id	Matrix
MW-A/20210629	CI69808	GROUND WATER
MW-B/20210629	CI69809	GROUND WATER
MW-C/20210629	CI69810	GROUND WATER
MW-D/20210629	CI69811	GROUND WATER
MW-E/20210629	CI69812	GROUND WATER
MW-E/FILTER/20210629	CI69813	GROUND WATER
MW-F/20210629	CI69814	GROUND WATER
MW-G/20210629	CI69815	GROUND WATER
FB/20210629	CI69816	GROUND WATER

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	15:37
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69808

Project ID: L2135355
Client ID: MW-A/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.020 J	0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.180	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	101	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0008 J	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	16.5	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/12/21	MGH	SW7470A
Potassium	4.95	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	4.28	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	0.965	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Sodium	45.4	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Nickel	0.0021	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.012	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 28, 2021
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	14:55
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69809

Project ID: L2135355
Client ID: MW-B/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.004	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.784	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	131	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0002	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.0003	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0014	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	2.87	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.53	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	19.0	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	1.57	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Sodium	61.3	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0032	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.001	J 0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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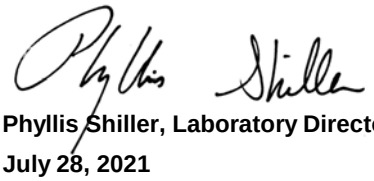

Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	14:09
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69810

Project ID: L2135355
Client ID: MW-C/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.006	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	0.0060	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.010	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	102	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0003	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.001	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0024	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	0.30	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	4.38	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	9.01	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	0.228	0.0050	0.0005	mg/L	5	07/13/21	MGH	SW6020B
Sodium	12.4	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Nickel	0.0058	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	0.014	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	0.0042	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.007	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

Ver 2

Project ID: L2135355
Client ID: MW-C/20210629

Phoenix I.D.: CI69810

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager

Ver 2

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	13:20
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69811

Project ID: L2135355
Client ID: MW-D/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.011	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	0.0494	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	2.19	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	128	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0004	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.001	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0016	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	14.9	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.47	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	21.0	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	1.72	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Sodium	139	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0032	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.002	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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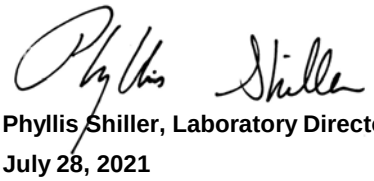

Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	12:01
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69812

Project ID: L2135355
Client ID: MW-E/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.045	0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	0.0039	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	1.83	0.020	0.0020	mg/L	20	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	143	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0008 J	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.0003 J	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0032	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	2.16	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.44	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	25.5	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	3.66	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Sodium	227	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0102	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	0.0043	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.008	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B

Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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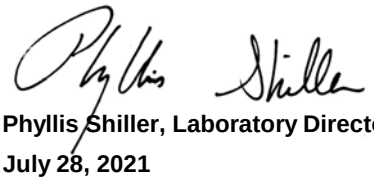

Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	12:18
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69813

Project ID: L2135355
Client ID: MW-E/FILTER/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver (Dissolved)	ND	0.0004	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Aluminum (Dissolved)	0.0035	J 0.0050	0.0030	mg/L	2	07/16/21	MGH	SW6020B
Arsenic, Dissolved	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Barium (Dissolved)	1.83	0.053	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Beryllium (Dissolved)	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Calcium (Dissolved)	153	0.53	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Cadmium (Dissolved)	ND	0.0004	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Cobalt (Dissolved)	0.0007	J 0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Chromium (Dissolved)	0.0034	N 0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Copper (Dissolved)	0.003	J 0.011	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Iron, (Dissolved)	0.41	0.01	0.01	mg/L	1	07/14/21	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium (Dissolved)	3.48	0.05	0.0005	mg/L	5	07/16/21	MGH	SW6020B
Magnesium (Dissolved)	26.0	0.027	0.0005	mg/L	5	07/16/21	MGH	SW6020B
Manganese (Dissolved)	3.50	0.053	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Sodium (Dissolved)	242	0.53	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Nickel (Dissolved)	0.0106	0.0011	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Lead (Dissolved) LDL	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Antimony (Dissolved)-LDL	ND	0.0006	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Selenium (Dissolved)-LDL	ND	0.004	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Thallium (Dissolved)	ND	0.0006	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Vanadium (Dissolved)	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Zinc (Dissolved)	0.006	J 0.009	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Sample Disposal	Completed					07/08/21		
Dissolved Mercury Digestion	Completed					07/13/21	AB/AB	SW7470A
Dissolved Metals Preparation	Completed					07/15/21	AG	SW3005A

Ver 2

Project ID: L2135355 Phoenix I.D.: CI69813

Client ID: MW-E/FILTER/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	10:58
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69814

Project ID: L2135355
Client ID: MW-F/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.004	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.391	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	122	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0006	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.002	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0013	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	0.03	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.58	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	17.4	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	1.01	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Sodium	56.4	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0051	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	0.0002	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.004	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Client MS/MSD	Completed					07/13/21		
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	

Ver 2

Project ID: L2135355
Client ID: MW-F/20210629

Phoenix I.D.: CI69814

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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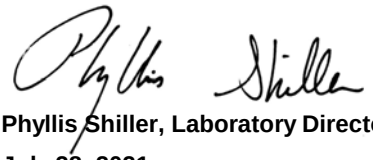

Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	16:45
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69815

Project ID: L2135355
Client ID: MW-G/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/13/21	MGH	SW6020B
Aluminum	0.006 J	0.040	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Barium	1.44	0.020	0.0020	mg/L	20	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Calcium	231	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Cobalt	0.0003 J	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Chromium	ND	0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Copper	0.0023	0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Iron	7.14	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	5.29	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	19.6	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	2.12	0.020	0.0020	mg/L	20	07/13/21	MGH	SW6020B
Sodium	65.8	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0049	0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Zinc	0.002 J	0.002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

Ver 2

Project ID: L2135355
Client ID: MW-G/20210629

Phoenix I.D.: CI69815

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/29/21	15:45
Location Code:	ALPHA	Received by:	LB	07/08/21	11:50
Rush Request:	96 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI69808
Phoenix ID: CI69816

Project ID: L2135355
Client ID: FB/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/13/21	MGH	SW6020B
Aluminum	0.007	J 0.040	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Barium	0.002	0.002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Calcium	0.247	0.050	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Cobalt	ND	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Chromium	0.001	J 0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Copper	0.0004	J 0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Iron	0.03	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	ND	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	0.04	J 0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	0.0029	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Sodium	0.12	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Nickel	ND	0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Selenium	ND	J 0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Zinc	0.005	0.002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

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Phyllis Shiller, Laboratory Director
July 28, 2021
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 28, 2021

QA/QC Data

SDG I.D.: GCI69808

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 583054 (mg/L), QC Sample No: CI69814 (CI69809, CI69810, CI69811, CI69812, CI69814, CI69815, CI69816)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	99.1			96.0	99.0	3.1	75 - 125	20	
QA/QC Batch 582883 (mg/L), QC Sample No: CI70100 (CI69808)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	103			102			75 - 125	20	
QA/QC Batch 583226 (mg/L), QC Sample No: CI70514 (CI69813)														
Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0002	NC	126			99.3			75 - 125	20	l
QA/QC Batch 582966 (mg/L), QC Sample No: CI69182 (CI69811, CI69812, CI69815, CI69816)														
ICP Metals - Aqueous														
Iron	BRL	0.010	0.238	0.228	4.30	97.2	98.0	0.8	98.5			80 - 120	20	
QA/QC Batch 582954 (mg/L), QC Sample No: CI69813 (CI69813)														
ICP Metals - Dissolved														
Iron	BRL	0.011	0.41	0.404	1.50	86.3	87.9	1.8	83.4			80 - 120	20	
QA/QC Batch 582965 (mg/L), QC Sample No: CI69814 (CI69808, CI69809, CI69810, CI69814)														
ICP Metals - Aqueous														
Iron	BRL	0.010	0.03	0.034	NC	94.4	96.7	2.4	93.7	94.8	1.2	80 - 120	20	
QA/QC Batch 583714 (mg/L), QC Sample No: CI69813 2X (CI69813)														
ICP Metals MS - Dissolved														
Aluminum	BRL	0.005	0.0035 J	0.006	NC	97.1	99.4	2.3	102			80 - 120	20	
Antimony	BRL	0.0006	<0.0006	<0.0006	NC	92.4	92.6	0.2	99.1			80 - 120	20	
Arsenic	BRL	0.0021	<0.0021	<0.0021	NC	94.5	94.5	0.0	98.2			80 - 120	20	
Barium	BRL	0.0021	1.83	1.84	0.50	94.7	93.0	1.8	NC			80 - 120	20	
Beryllium	BRL	0.0021	<0.0021	<0.0021	NC	95.4	98.7	3.4	103			80 - 120	20	
Cadmium	BRL	0.0004	<0.0004	<0.0004	NC	94.5	95.4	0.9	98.5			80 - 120	20	
Calcium	BRL	0.053	153	144	6.10	99.6	93.4	6.4	NC			80 - 120	20	
Chromium	BRL	0.0021	0.0034 N	0.0025	NC	98.2	103	4.8	0			80 - 120	20	m
Cobalt	BRL	0.0021	0.0007 J	0.0008	NC	93.0	96.1	3.3	97.1			80 - 120	20	
Copper	BRL	0.011	0.003 J	0.004	NC	98.5	99.8	1.3	92.8			80 - 120	20	
Lead	BRL	0.0021	<0.0021	<0.0021	NC	94.8	95.0	0.2	90.4			80 - 120	20	
Magnesium	BRL	0.027	26.0	25.4	2.30	93.0	88.1	5.4	NC			80 - 120	20	
Manganese	BRL	0.0021	3.50	3.39	3.20	92.3	94.7	2.6	NC			80 - 120	20	
Nickel	BRL	0.0011	0.0106	0.0104	1.90	92.4	93.9	1.6	97.8			80 - 120	20	
Potassium	BRL	0.05	3.48	3.56	2.30	95.3	91.2	4.4	87.3			80 - 120	20	
Selenium	BRL	0.004	<0.004	<0.004	NC	106	100	5.8	98.9			80 - 120	20	
Silver	BRL	0.0004	<0.0004	<0.0004	NC	96.9	97.4	0.5	91.5			80 - 120	20	
Sodium	BRL	0.05	242	226	6.80	89.0	86.4	3.0	NC			80 - 120	20	
Thallium	BRL	0.0006	<0.0006	<0.0006	NC	91.5	91.7	0.2	87.8			80 - 120	20	
Vanadium	BRL	0.0021	<0.0021	0.0004	NC	84.7	88.4	4.3	98.3			80 - 120	20	
Zinc	BRL	0.009	0.006 J	0.005	NC	106	106	0.0	99.6			80 - 120	20	

QA/QC Data

SDG I.D.: GCI69808

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 582956 (mg/L), QC Sample No: CI69814 5X (CI69808, CI69809, CI69810, CI69811, CI69812, CI69814, CI69815, CI69816)													
ICP MS Metals - Aqueous													
Aluminum	BRL	0.10	0.004 J	0.003	NC	106	102	3.8	97.0	89.6	7.9	80 - 120	20
Antimony	BRL	0.0030	<0.0012	<0.0012	NC	99.8	97.6	2.2	101	90.0	11.5	80 - 120	20
Arsenic	BRL	0.0040	<0.0016	<0.0016	NC	99.8	101	1.2	97.4	84.6	14.1	80 - 120	20
Barium	BRL	0.005	0.391	0.387	1.00	97.0	95.8	1.2	NC	NC	NC	80 - 120	20
Beryllium	BRL	0.0040	<0.0016	<0.0016	NC	101	103	2.0	102	91.0	11.4	80 - 120	20
Cadmium	BRL	0.0010	<0.0004	<0.0004	NC	100	101	1.0	102	90.8	11.6	80 - 120	20
Chromium	BRL	0.010	0.002 J	0.001	NC	92.8	93.4	0.6	97.4	86.6	11.7	80 - 120	20
Cobalt	BRL	0.0050	0.0006 J	0.0006	NC	92.6	92.0	0.7	92.2	80.4	13.7	80 - 120	20
Copper	BRL	0.0025	0.0013	0.0013	NC	98.8	98.8	0.0	97.8	84.2	14.9	80 - 120	20
Lead	BRL	0.0005	<0.0002	<0.0002	NC	101	101	0.0	95.8	87.2	9.4	80 - 120	20
Magnesium	BRL	0.10	17.4	17.1	1.70	85.6	93.4	8.7	NC	NC	NC	80 - 120	20
Manganese	BRL	0.0050	1.01	0.989	2.10	95.0	95.2	0.2	NC	NC	NC	80 - 120	20
Nickel	BRL	0.0025	0.0051	0.0047	8.20	92.8	92.8	0.0	93.0	79.0	16.3	80 - 120	20
Selenium	BRL	0.010	0.0002 J	<0.004	NC	111	109	1.8	111	100	10.4	80 - 120	20
Silver	BRL	0.0004	<0.0004	<0.0010	NC	90.6	88.8	2.0	98.6	97.2	1.4	80 - 120	20
Thallium	BRL	0.0005	<0.0002	<0.0002	NC	97.0	97.0	0.0	94.4	86.0	9.3	80 - 120	20
Vanadium	BRL	0.0050	<0.0020	<0.0020	NC	83.6	89.6	6.9	124	105	16.6	80 - 120	20
Zinc	BRL	0.005	0.004	0.003	NC	104	107	2.8	102	91.4	11.0	80 - 120	20

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 28, 2021

Wednesday, July 28, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCI69808 - ALPHA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

July 28, 2021

SDG I.D.: GCI69808

The samples in this delivery group were received at 4.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

7-3 wcq

Subcontract Chain of Custody

Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040

Alpha Job Number
L2135355

Client Information

Client: Alpha Analytical Labs
Address: 320 Forbes Boulevard
Mansfield, MA 02048-1806

Phone: 716.427.5229
Email: mdeyo@alphalab.com

Project Information

Project Location: NY
Project Manager: Melissa Deyo

Turnaround & Deliverables Information

Due Date: 07/14/21
Deliverables:

Regulatory Requirements/Report Limits

State/Federal Program: NYDOH
Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L2135355

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com ;ASP Cat B required; MS/MSD on sample L2135355-07 ; Total TALs Metal by 6020 ; Dissolved Field FilteredTAL Metals by 6020 for sample L2135355-06

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
69808	MW-A/20210629	06-29-21 15:37	WATER	TAL 6020 Metals	
69809	MW-B/20210629	06-29-21 14:55	WATER	TAL 6020 Metals	
69810	MW-C/20210629	06-29-21 14:09	WATER	TAL 6020 Metals	
69811	MW-D/20210629	06-29-21 13:20	WATER	TAL 6020 Metals	
69812	MW-E/20210629	06-29-21 12:01	WATER	TAL 6020 Metals	
69813	MW-E/FILTER/20210629	06-29-21 12:18	WATER	Metals	
69814	MW-F/20210629	06-29-21 10:58	WATER	TAL 6020 Metals	MS;MSD
69815	MW-G/20210629	06-29-21 16:45	WATER	TAL 6020 Metals	
69816	FB/20210629	06-29-21 15:45	WATER	TAL 6020 Metals	

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	Kim L. Bailey	7/7/21	Joseph E. Brzezinski	7/7/21 2140
	Joseph E. Brzezinski	7/7/21	Kelly Smith	7/8/21 9:15
Form No: AL_subcoc	Kelly Smith	7/8/21	Kim L. Bailey	7/8/21 11:50

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL 508-898-9220
FAX 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL 508-822-9300
FAX 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 7/1/21

ALPHA Job #: L0135355

Client Information

Client: Day Environmental, Inc
Address: 1563 Lyell Avenue
Rochester, NY 14606
Phone: 585 454 0210
Fax:
Email: rkampff@haymail.com

Project Information

Project Name: C905043
Project Location: 202 Franklin St. Olean, New York
Project #: 49845-13
(Use Project name as Project #) [X]
Project Manager: Ray Kampff
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [X] EQuIS (4 File)
[ ] Other (NYSDEC EQuIS)

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[X] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other

ANALYSIS

TAL Metals

Sample Filtration
[X] Done) MW-E/Filter
[ ] Lab to do (See below)
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals	Sample Specific Comments	Total Bottle
35355-01	MW-A/20210629	6/29/21	15:37	GW	CH	X		1
-02	MW-B/20210629		14:55	GW		X		1
-03	MW-C/20210629		14:09	GW		X		1
-04	MW-D/20210629		13:20	GW		X		1
-05	MW-E/20210629		12:01	GW		X		1
-06	MW-E/Filter/20210629		12:18	GW		X	Field Filtered	1
-07	MW-F/20210629		10:58	GW		X	Also Run MS/MSD	3
-08	MW-G/20210629		16:45	GW		X		1
-09	FB/20210629		15:45	DI H_2O		X		1

Container Type: P
Preservative: C

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/29/21 17:00	AAC	6/30/21 9:45
AAC	6/30/21 1200		7/1/21 00:45
	7/1/21 4:20		7/1/21 0415
	7/1/21 0545	AAC	7/1/21 0545

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

202 Franklin St.
Phoenix Environmental Laboratories, Inc. SDG#GCI69808
August 19, 2021
Reissued: September 21, 2021
Sampling date: 6/29/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissue: September 21, 2021) for Day Environmental, project located at 202 Franklin St., Phoenix Environmental Laboratories, Inc. #GCI69808 submitted to Vali-Data of WNY, LLC on August 6, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Inorganics (6020B) and Mercury (7470A).

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, MS/MSD/Duplicate, Compound Quantitation and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Al was detected above the MDL, below the reporting limit and is qualified as estimated in CI69814BLK. V was detected above the MDL, below the reporting limit and is qualified as estimated in ICB run on 7/12/21(19:56). Se and Sb were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/12/21(21:45). Sb was detected above the MDL, below the reporting limit and is qualified as estimated in CCB run on 7/12/21(23:00). Cr, Se and Al were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/12/21(23:36). Cr and Al were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/13/21(0:29). As and V were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/13/21(11:03). Al, Sb and V were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/13/21(12:23). Mg and Na were detected above the MDL, below the reporting limit and are qualified as estimated in ICB and CCB run on 7/14/21(9:01, 9:49). Na was detected above the MDL, below the reporting limit and is qualified as estimated in CCBs run on 7/14/21(10:08, 10:24, 10:35, 11:18). Mg and Na were detected above the MDL, below the reporting limit and are qualified as estimated in ICB run on 7/16/21(8:42) and CCB run on 7/16/21 (9:18). Na was detected above the MDL, below the reporting limit and is qualified as estimated in CCB run on 7/16/21(9:29). As and Sb were detected above the MDL, below the reporting limit and are qualified as estimated in ICB run on 7/16/21(10:13). As, Al and V were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/16/21(10:34). V was detected above the MDL, below the reporting limit and is qualified as estimated in CCB run on 7/16/21(11:14). Se was detected above the MDL, below the reporting limit and is qualified as estimated in ICB run on 7/16/21(13:04) and CCBs run on 7/16/21(13:21, 13:50). These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.
Sb was detected above the reporting limit in ICB run on 7/12/21(19:56). Sb was detected above the reporting limit in ICB run on 7/13/21(11:03). These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Hg was outside QC limits high in batch #583226 and should be qualified as estimated. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD/DUPLICATE
All criteria were met except the %Rec of Cr was outside QC limits low in MW-E/FILTER/20210629MS but within limits in the post digest spike. This target analyte should be qualified as estimated in MW-E/FILTER/20210629.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except Cu was detected above the MDL, below the reporting limit and is qualified as estimated in FB/20210629. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.
Al, Cr and Mg were detected above the MDL, below the reporting limit in FB/20210629, but due to detects in the blanks these target analytes would be considered undetected, so no further action is required.
Ba, Ca, Fe, Mn, Na and Zn were detected above the reporting limit in FB/20210629. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

CALIBRATION
All criteria were met except the %Rec of Na was outside QC limits, low in CCV5 run on 7/14/21 (11:21). This target analyte should be qualified as estimated in the associated sample, blank and spikes.
The %Rec of Al was outside QC limits, high in CCV2 run on 7/16/21 (11:21). This target analyte should be qualified as estimated high in the associated samples, blanks and spikes in which it was detected.

ATTACHMENT C

INSTITUTIONAL AND ENGINEERING CONTROL CERTIFICATION FORMS

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

Site Details **Box 1**

Site No. **C905043**

Site Name 202 Franklin Street

Site Address: 202 Franklin Street Zip Code: 14760
City/Town: Olean
County: Cattaraugus
Site Acreage: 5.159

Reporting Period: April 11, 2021 to April 11, 2022

	YES	NO
1. Is the information above correct?	■	□
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	□	■
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	□	■
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	□	■
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	□	■

Box 2

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

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	■

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	■	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C905043 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
Portion of 94.040-1-3	Silence Dogood LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan IC/EC Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
Portion of 94.040-1-3	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
■	☐

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

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

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

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

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

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

YES	NO
■	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I Raymond L. Kampff (print name) at 1563 Lyell Avenue, Rochester, NY 14606 (print business address),

am certifying as a Qualified Environmental Professional for the Owner (Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

4.27.2022
Date

IC CERTIFICATIONS
SITE NO. C905043

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Robert J. Groele (print name) at 211 Franklin Street, Olean, NY 14760 (print business address),

am certifying as Representative of the Owner (Owner or Remedial Party)

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

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

5/6/2022
Date