FINAL
PERIODIC REVIEW REPORT (2022)
BALDWIN PLACE SHOPPING CENTER
NYSDEC SITE NO. 360023

WORK ASSIGNMENT NO. D009809-10

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

Prepared by:

MACTEC Engineering and Geology, P.C.
Portland, Maine

MACTEC: 3616206104

MAY 2023

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APRIL 2023

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

1,2-DCE	dichloroethene
EC	engineering controls
GWETS	groundwater extraction and treatment system
IC	institutional controls
LaBella	LaBella Associates
LMSE	Lawler, Matusky, & Skelly Engineers
LTM	long term monitoring
MACTEC	MACTEC Engineering and Consulting, PC or MACTEC Engineering and Geology, P.C.
MTBE	Methyl-tert-butyl-ether
µg/L	micrograms per liter
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York Department of Health
PCE	tetrachloroethene
PDB	passive diffusion bag
PFAS	per-and Polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
POET	Point of Entry Treatment
PRR	Periodic Review Report
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RSO	Remedial System Optimization
Site	Baldwin Place Shopping Center site
SM	Site Management

SMP	Site Management Plan
TCE	trichloroethene
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

EXECUTIVE SUMMARY

Site Information			
Site Name:	Baldwin Place Shopping Center	**NYSDEC Site No:**	360023
Site Location:	80 U.S. Route 6 Somers, Westchester County, New York	**Remedial Program:**	Inactive Hazardous Waste Disposal
Site Type:	Commercial	**Site Classification:**	04
Parcel Identification(s):	4.20-1-11 - 4.20-1-11.6	**Parcel Acreage:**	28.0
Selected Remedy:	Excavation, Groundwater Extraction Treatment System, Long-term monitoring	**Site COC(s):**	tetrachloroethene (PCE), trichloroethene (TCE) 1,2-dichloroethene (1,2-DCE)

Category	**Summary/Results**
Engineering Controls	• Groundwater monitoring well system • Groundwater Extraction and Treatment System (Recovery Wells & Plant 1) • Plant 1 access restriction via chain link fence
Institutional Controls	• Record of Decision • Deed Restriction (Parcel 4.20-1-11.6) • Site Management Plan
Site Classification	Class 4 Inactive Hazardous Waste Disposal Site
Site Management Plan	SMP – April 2022
Certification/Reporting Period	January 1, 2022 – December 31, 2022
Inspection	**Frequency**
Site Inspection	Every 15 months
Remedial System Inspection	Annually
Monitoring	**Frequency**
LTM Groundwater	• Two extraction wells – every 15 months • Ten on-site monitoring wells – every 15 months

Groundwater Rebound Evaluation	• Two extraction wells - every 3 months • Seven on-site monitoring wells - every 3 months • Two additional monitoring wells (MW-7M1 and MW-7M2) - 4th quarter of 2022
Soil Vapor	• Indoor air and sub-slab vapor – every 3 years
Site Management Activities	The following activities were conducted during this reporting period (January 2022 – December 2022). • 09/01/22: Site-wide inspection
Additional Site Activities	1. The quarterly Groundwater Rebound Evaluation was conducted on March 3, June 2, September 1, and December 2, 2022 2. At the request of the NYSDEC, MACTEC supported the NYSDEC by reviewing work plans and additional documentation in reference to the redevelopment of the Site as required.
Conclusions	1. The GWETS is temporarily shut down for a groundwater rebound evaluation, Groundwater was monitored quarterly to evaluate the need to continue operations of the GWETS. 2. The current ICs/ECs are adequate for protection of human health and the environment based on current site use. 3. During the September 2022 monitoring well inventory, wells MW-7S and MW-8S were noted as damaged. 4. The next LTM sampling event will be conducted in February 2023 and the sampling plan includes collecting VOC samples (via PDBs for wells associated with the LTM and quarterly groundwater rebound evaluation), and via low flow purging methods (VOC and PFAS samples associated with solely the LTM).
Recommendations	1. Continue quarterly groundwater sampling through June 2023 to complete the 18-month groundwater rebound evaluation (MACTEC, 2021b) 2. Continue the implementation and evaluation of the existing IC/ECs as outline in the SMP (MACTEC, 20222). Replace well cover bolts at monitoring wells MW-7S and MW-8S to maintain a tight seal and reduce the potential for precipitation and potential contaminants from the parking lot to flow into the wells. 4.Complete LTM sampling utilizing PFAS-free hydrasleeves to reduce time and costs of sampling and allow for sampling VOCs and PFAS simultaneously during future LTM events.
Cost Evaluation	The total cost of site management activities this reporting period was $58,716. This cost includes engineering (e.g., labor and expense) and utilities for the OM&M activities, groundwater rebound evaluation activities, and reporting activities for MACTEC.

1.0 SITE OVERVIEW

This Periodic Review Report (PRR) summarizes Site Management (SM) activities completed at the Baldwin Place Shopping Center (now Somers Commons) site (Site No. 360023; herein referred to as the Site) from January 1, 2022 to December 31, 2022 and evaluates the effectiveness of the remedial actions. Activities conducted at the Site between January 2022 and December 2022 included the quarterly rebound evaluation sampling and site inspection. The Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form and Institutional and Engineering Controls Property Owner Survey are attached as Appendices A and B, respectively.

1.1 SITE HISTORY AND DESCRIPTION

The Site is located at 80 U.S. Route 6 in the Town of Somers, Westchester County, New York, (Figure 1.1). Per the Record of Decision (ROD) (New York State Department of Environmental Conservation [NYSDEC], 1995), the Site is an approximately 28-acre property bounded by Route 6 and Tomahawk Street to the north, vacant forested land to the south, a rail-trail and residential property to the east, and Clayton Boulevard and an apartment complex to the west. A Deed Restriction is in place for 1.6 acres of the east central portion of the property referred to as Unit Six (Figure 1.2). This Deed Restriction requires adherence to the Site Management Plan and includes a prohibition for use of the property for residential purposes, use of groundwater without proper treatment, and a provision to provide a periodic certification that states compliance with the institutional controls.

A dry-cleaning facility operated at the Site from approximately 1965 through 1991. In 1979, the Westchester County Health Department discovered dry cleaning chemicals and their associated breakdown products (tetrachloroethene [PCE], trichloroethene [TCE] and 1,2-dichloroethene [1,2-DCE]) in the mall's two bedrock water supply wells PW-1 and PW-2. Subsequently, two offsite areas including the commercial area along Route 6 to the west and part of the Meadow Park Road community to the southeast were impacted by site-related contaminants. The original structure where the contaminant release occurred no longer exists; the Site was a mostly vacant shopping center in the early 2000's when it was demolished to make way for the current shopping center (Somers Commons) located on the property.

Following the closing of the dry cleaners, point of entry treatment (POET) systems were installed at nearby private residences affected by groundwater contamination. In 1989 the Site was listed on the NYSDEC Registry of Inactive Hazardous Waste Disposal sites and subject to environmental investigation and remedial action.

A remedial investigation (RI) was conducted at the Site in August 1994 (Vincent Uhl & Associates, 1994). A Feasibility Study (FS) was completed in June of 1995 (Lawler, Matusky & Skelly Engineers [LMSE], 1995). From those reports, the NYSDEC issued a ROD in 1995 specifying the removal of contaminated soils from the Site (NYSDEC, 1995) and remediation of the groundwater. The soil excavation was completed in 1997 followed by the construction of a source area groundwater extraction and treatment system (GWETS) in 1998 (Plant 1). As part of the remedy, a water distribution system was constructed at the Site to supply water to the adjacent Meadow Park Road community (Plant 2) in 1999. When the community was subsequently connected to the public water supply in November of 2001, Plant 2 was kept online as a secondary pump and treat system. Both Plant 1 and Plant 2 (Figure 1.2) operated onsite and treated contaminated groundwater through granular carbon vessels. In early 2011, Plant 2 was shut down.

Groundwater extraction and treatment of the source area was conducted onsite through the Plant 1 GWETS. The GWETS was built in 1998 and consists of two extraction wells (RW-1S, an overburden well, and RW-2D, an upper bedrock well) installed within the source area, subsurface conveyance piping to the treatment building, controls, utility service connections, and an activated carbon filtration treatment system. Treated water is discharged to a nearby drainage ditch under a State Pollution Discharge Elimination System (SPDES) Permit Equivalent. Access to Pump House 1 (Plant 1) is restricted by a six- foot chain link fence with locked gates. In April 2021, a Remedial System Optimization (RSO) Evaluation was conducted to determine the extent of residual tetrachloroethene (PCE) contamination in soil in the vicinity of the former remedial excavation to evaluate the extent of PCE soil contamination that could be contributing to groundwater contamination (MACTEC Engineering and Geology [MACTEC], 2021a).

The evaluation indicated that the contamination appears to be in small, discontinuous layers within the shallow overburden, and recommended the temporary shutdown of the GWETS with comprehensive monitoring and evaluation of groundwater data to demonstrate that the concentration

of contaminants in groundwater are remaining stable and not progressing off-site (MACTEC, 2021a). In November 2021, the GWETS was shut down temporarily for a groundwater rebound evaluation which will run for at least 18-months to evaluate natural attenuation of PCE as an alternative to the GWETS. Following this evaluation, a Groundwater Rebound Evaluation Report will be submitted to the NYSDEC with recommendation to either restart the GWETS or revise the ROD to change the selected remedy.

1.2 PHYSICAL SETTING

The physical setting of the Site is discussed in the subsections below.

1.2.1 Land Use

The Site consists of a multi-unit shopping plaza with multiple tenants, and surrounding parking lots. The Site is zoned commercial and is currently utilized for commercial use.

The properties adjoining the Site, and in the neighborhood surrounding the Site, consist of primarily commercial and residential properties, including:

- South – vacant properties
- North – commercial properties
- East – residential properties
- West – commercial and residential properties

1.2.2 Geology

The overburden at the Site consists of a sandy silty till and is approximately 60 feet in thickness in the source area. The till is thinnest near the western/northwestern Site boundary and thickens to the south-southeast. Below the till is a thin mantle of weathered saprolitic granitic gneiss, which is underlain by the fractured granitic gneiss bedrock. The depth to competent bedrock ranges from approximately 11 feet below ground surface (bgs) in the western portion of the Site (vicinity of MW-9S) to approximately 100 feet bgs in the eastern/southeastern portion of the Site (vicinity of MW-3D) (Aztech, 2014).

1.2.3 Hydrogeology

The saturated thickness of the till ranges from less than 1 foot along the western edge of the mall, to approximately 75 feet along the eastern portion of the mall. The depth to water in the till ranges from approximately 5 feet bgs in the southwestern portion of the Site (i.e., at monitoring well MW-2S) to 13 feet bgs just west of the source area (i.e., at monitoring well MW-7S).

Shallow groundwater across the site area is interpreted to flow primarily to the west/southwest, and bedrock groundwater is interpreted to flow primarily to the southwest. Vertical hydraulic gradients in the source area are in the downward direction (i.e., from the overburden into the fractured bedrock).

1.3 REMEDIAL GOALS AND REMEDIAL PROGRESS

Remedial goals for the Site, outlined in the ROD, are to prevent direct contact with contaminated soil and/or groundwater, restore groundwater quality to acceptable levels within a reasonable time frame, and to prevent contaminated groundwater from migrating off-site. In accordance with the Site Management Plan (SMP) Revision 1, current SM requirements for monitoring the performance and effectiveness of the remedial measures completed at the Site consist of annual site inspections, quarterly rebound sampling, and environmental long-term monitoring (LTM) (MACTEC, 2022a).

1.3.1 Record of Decision

NYSDEC listed the Site as an Inactive Hazardous Waste Site (ID No. 360023) in 1987. Big V Supermarkets, the responsible party, entered into an Order on Consent with the NYSDEC in September 1991, when as part of an Interim Remedial Measure undertaken prior to issuance of the ROD, they installed new POET systems and/or assumed maintenance and operation of existing POET systems for the water supplies of commercial and/or residential properties impacted with site-related volatile organic compounds (VOCs). An RI/FS was subsequently completed to address the soil and groundwater contamination. On November 9, 1995, the NYSDEC issued the ROD which required the following actions to remediate the presence of PCE and related compounds at the Site:

- Excavation of source area contaminated soils to remove the source of contamination to the groundwater.
- Groundwater treatment in the source area. A groundwater pump and treat system (Plant 1) was installed in proximity to the source area to capture vertical and horizontal flow from within and around the source area as well as to capture contaminants that might leach into

the groundwater from any residual contaminated soil left in place after the excavation and thereby prevent further contamination of the underlying bedrock aquifer.

- Supply potable water to 19 residences on Meadow Park Road. This was accomplished by developing a new water district that derived its water supply from the two water supply wells associated with the former shopping center and treating that water with granular activated carbon (GAC) prior to distribution to the 19 residences. That water supply would later become known as "Plant 2".
- Maintain POET systems along US Route 6. This would be accomplished by continuing maintenance and operation of individual POET systems installed on commercial and/or residential properties located along US Route 6. Use of these POET systems would continue until groundwater quality is restored to drinking water standards or, an alternate source of water supply became available. Additionally, any future wells along Route 6 that became impacted by site-related VOCs in excess of drinking water standards would be equipped with a POET system.
- Connection to alternate water supply. Each of the residences and/or commercial establishments equipped with POET systems would be connected to the regional municipal system when it became available.

1.3.2 Remedial Actions

Big V Supermarkets assumed responsibility for implementing remedial actions required by the ROD until August 6, 2003, when liquidation of their assets under a bankruptcy proceeding terminated their funding of remedial efforts. NYSDEC has assumed direct responsibility for the continued implementation of the ROD since that time.

Source Removal

Source removal was conducted in February 1997 and involved excavation of shallow soil from above the footers of the former building foundation and installation of sheet piling to facilitate the excavation of impacted soils at depth. Altogether, approximately 135 cubic yards (236 tons) of source area soil to a depth of 16 feet bgs was removed. In 2015, contamination was detected directly beneath the previously excavated source area.

Potable Water Supply – Meadow Park Road

The community water supply system for the Meadow Park Road residences was constructed in 1998 and began operating in February 1999. The system delivered treated water obtained from the shopping center water supply to 17 of the 19 residences located on Meadow Park Road. The 17 residences in the Meadow Park Road Area were connected to the regional municipal water system when it became available in November 2001, and the connection between the Site's former water

supply and Meadow Park Road was terminated. The individual supply wells serving two residences that were not connected into the municipal water system in 2001 were sampled quarterly until 2003, followed by annual sampling in 2004, 2006, and 2007. Analytical results indicated that these two wells were not impacted by VOCs related to the Site, and are therefore sampling was ceased (Aztech, 2014).

The Site's former water supply wells continued operation as a 6onitoater pump'and treat system (Plant 2) until 2011 when operation of Plant 2 was suspended. Plant 2 was recommended for decommissioning in a 2014 Remedial System Optimization (RSO) completed by MACTEC and has since been decommissioned/demolished.

2.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The SMP for the Site includes an institutional controls/engineering controls (Ics/Ecs) Plan, Operation and Maintenance (O&M) Plan, LTM Plan, quarterly rebound sampling plan, and associated reporting (MACTEC, 2022a). SM requirements are summarized in Table 2.1.

This Periodic Review Report (PRR) documents the SM activities conducted from January 2022 to December 2022:

- Remedial System Inspection: September
- Well Inspection: September
- Quarterly Groundwater Rebound Assessment: Quarterly (March, June, September, and December)

Soil vapor intrusion (SVI) monitoring is an existing EC for Unit Six (formally Home Goods); however, this monitoring is completed every three years, and not included within the timeframe of the 2022 PRR. SVI sampling was last completed in January 2020 (Aztech, 2020).

Other Activities conducted during the reporting period per request by the NYSDEC included:

- Installation of passive diffusion bags (PDBs) in monitoring wells MW-7M1 and MW-7M2 during the third quarter sampling event
- Sampling of MW-7M1 and MW-7M2 during the fourth quarter sampling event
- Replacing the bolts on monitoring wells MW-3D and MW-3DD.

This PRR was completed using site-specific documentation, which includes:

- ROD (NYSDEC, 1995)
- SMP (MACTEC, 2022a)
- Deed Restriction (Westchester County, NY, 2015)

This PRR was prepared to document that established controls required by the SMP are operational and effective, that the SMP is being implemented and conducted accordingly, and that the remedy remains protective of the environment and/or public health. SM activities were completed during the reporting period and an evaluation of the performance, protectiveness, and effectiveness of the remedy is summarized below.

2.1 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS

Contaminated soil and groundwater exist beneath the ground surface; therefore IC/Ecs are required to protect human health and the environment. Ics were established via a deed restriction to (1) ensure access to the Site for the unimpeded operation of the EC systems (ground water collection system); (2) restrict future residential use of the Site; and (3) restrict future use of the groundwater. These measures help ensure that the remedy remains protective in the future. The Ics for the Site include the ROD, Deed Restriction, and Site Management Plan.

Ecs for the Site include a GWETS (i.e., Plant 1) which is comprised of two extraction wells installed within the source area (RW-1S, an overburden well, and RW-2D, an upper bedrock well), subsurface conveyance piping to Plant 1, controls, utility service connections, and the Plant 1 activated carbon filtration treatment system. Groundwater is treated prior to discharge to a nearby drainage ditch under a SPDES Permit Equivalent. Access to Pump House 1 (Plant 1) is restricted by a six- foot chain link fence with locked gates (Figure 1.2).

During the reporting period, the treatment system was inspected during the month of September rather than monthly, due to the temporary shutdown of the GWETS. ECs were determined to be in place and functioning as intended except for the following:

- The system was shut down on November 18, 2021 to evaluate the effect on contaminant groundwater concentrations at and downgradient of the source and remained offline for the entirety of 2022. It is anticipated that this evaluation will be conducted for at least 18 months, and the system will remain offline until the groundwater rebound evaluation is complete and the RSO Evaluation Report is finalized.

A comprehensive site inspection was conducted by MACTEC in September 2022, including an evaluation of the visible components of Plant 1. The GWETS building is secure, and the components appeared to be in good working order.

2.2 OPERATIONS & MAINTENANCE

The GWETS system is temporarily shut down and monthly O&M was not conducted in 2022. MACTEC continued to monitor groundwater on a quarterly basis to decide if the GWETS will need to be reactivated and/or decommissioned. If the GWETS is reactivated, the measures necessary to operate, monitor, and maintain the system components of the GWETS are described in the O&M Manual.

2.2.1 Inspection & Monitoring

During the reporting period, the treatment system was inspected during the month of September rather than monthly, due to temporary shutdown of the GWETS (Appendix C).

2.3 LONG TERM MONITORING

The LTM program described in the SMP includes groundwater elevation monitoring, monitoring well inventory and repair, groundwater sampling and analysis, and soil vapor intrusion monitoring. There are currently 20 groundwater monitoring wells at the Site (Figure 1.2). Since January 2016, ten groundwater monitoring locations, designated as MW-4S, MW-4D, MW-5S, MW-7S, MW-7D, MW-8S, MW-9S, MW-9D, MW-12S and MW-101M, have been sampled at 15-month intervals for VOCs (Table 2.2). At the request of the NYSDEC, groundwater samples for PFAS were added to the LTM. The LTM was not conducted during the 2022 calendar year. The next LTM is scheduled for February 2023. Figures and tables associated with 2021 LTM activities are provided in Appendix D.

2.3.1 Groundwater Elevation Monitoring

Groundwater elevation monitoring was not conducted during the 2022 calendar year. This monitoring will coincide with the LTM in February 2023.

2.3.2 Monitoring Well Inventory and Repair

Monitoring well conditions were inspected in September 2022 during the third quarter rebound sampling event. Site inspection records and photographs taken during the inspections are included in Appendix C. The monitoring wells were observed to be in good-to-fair condition. Monitoring well repairs which were recommended in the 2021 PRR were conducted during the 2022 Quarter One site visit and included:

- Repaired (2) monitoring wells to maintain integrity:
  - Replaced the bolts on monitoring wells MW-3D and MW-3DD.

It was noted during the September 2022 inventory that monitoring wells MW-7S and MW-8 require rethreading to accept new bolts to maintain integrity. The road box threads on monitoring well MW-7D are oval shape and no longer accepted bolts. Monitoring well MW-9D has a broken tab on its road box but still sits flush with grade. It is recommended that a new road box is not needed at this time, and that the wells should continue to be monitored for integrity.

2.3.3 Environmental Sampling and Analysis

The quarterly groundwater rebound evaluation includes collection of groundwater samples from seven monitoring wells and two recovery wells. Samples were submitted to Pace Analytical Laboratories of East Longmeadow, MA for analysis of VOCs via USEPA 8260, sodium via USEPA ICP 6010, and bromide/fluoride via USEPA 300.0.

2.4 SOIL VAPOR INTRUSION MONITORING

The 2022 SMP for the Site establishes a frequency of every three years for conducting SVI monitoring. Sampling includes sub-slab vapor, indoor air, and outdoor air associated with Building 6. This location is adjacent to (and south of) the former source area. The most recent SVI monitoring event conducted on January 8, 2020 included two sub-slab locations, two corresponding indoor air locations, and one outdoor air location. Samples were collected via summa canisters and analyzed via analytical method TO-15 (Aztech, 2020).

The sample results of the January 2020 SVI event were evaluated against the NYSDOH Decision Matrices provided in the Guidance for Evaluating Soil Vapor Intrusion in the State of New York

(NYSDOH, 2006), and associated 2013, 2015, and 2017 addenda. Evaluation of SVI data in accordance with the Decision Matrices suggests that No Further Action is needed based on the concentrations of the identified compounds.

While not included in the reporting period for the PRR, Ssoil vapor intrusion sampling was scheduled to be conducted in February 2023. During the SVI sampling, it was determined that active construction within the building may affect the results of indoor air and sub slab. It is also unlikely that the building is currently being heated. Given the change in conditions within the building, MACTEC recommended that SVI samples not be taken and submitted for analysis until after construction is complete. Until then, samples wouldn't be representative of future occupied conditions. Since the building is currently unoccupied, there are no receptors. The NYSDEC Project Manager was notified via email, and the decision was made to not submit the SVI samples collected for analysis during this event. The findings were summarized in a technical memorandum which was submitted to the NYSDEC PM on March 17, 2023.

2.5 ADDITIONAL SITE ACTIVITIES

Additional Site activities conducted in 2022 are described below.

2.5.1 Groundwater Rebound Evaluation

The April 2021 RSO Evaluation indicated that the site contamination appears to be in small, discontinuous areas within the shallow overburden, and recommended temporary shutdown of the GWETS with comprehensive quarterly monitoring and evaluation of groundwater data to demonstrate that the concentration of contaminants in groundwater are remaining stable near the source and not progressing downgradient of the source (MACTEC, 2021a). In November 2021 a groundwater rebound evaluation was initiated and will continue through June 2023. In 2022, quarterly ground water sampling was conducted for VOCs by USEPA 8260, sodium via USEPA Inductively Coupled Plasma (ICP) 6010, and bromide/fluoride via USEPA 300.0. Groundwater rebound evaluation locations are shown on Figure 2.1. The Groundwater Rebound Evaluation Sample Identification and Analyses Plan shown on Table 2.3. The following activities were completed for the groundwater rebound evaluation (MACTEC 2021b):

February 2022: Supplemental tracer compounds (sodium bromide and sodium fluoride) were added to the recovery wells to reach 1,000 mg/L as scoped is the Field Activities Plan (MACTEC, 2021b). Upon the completion of the groundwater sampling event, it was discovered that the bottleware for Br/F was preserved with sulfuric acid, rather than unpreserved, which is required for these analytes. The groundwater that was collected was unable to be analyzed. The lab and MACTEC chemists confirmed the bottleware provided would invalidate the data. MACTEC recollected the groundwater samples in the March site visit.

March & June 2022: Samples were collected and PBDs were reinstalled every five feet within the screened intervals in monitoring wells MW-5S, MW-7S, MW-7D, MW-12S, MW-12SI, MW-12M, MW-101M and recovery wells RW-1S, RW-2D. Ground water levels were measured in the sampled wells.

September 2022: Samples were collected and submitted to the laboratory. Per discussion with the NYSDEC, the number of PDBs that was installed in each well was reduced; one PBD was reinstalled in monitoring wells MW-5S, MW-7S, MW-7D, MW-12SI, MW-12M, and MW-101M. Two PDBs were installed at monitoring well MW-12S. Recovery well RW-1S was reduced from eight to four PDBs and RW-2D was reduced from six to three PDBs. One PDB was installed in each monitoring well MW-7M1 and MW-7M2. Ground water levels were measured in the sampled wells.

December 2022: Samples were collected and PBDs were reinstalled within the screened intervals in monitoring wells MW-5S, MW-7S, MW-7D, MW-7M1, MW-7M2, MW-12S, MW-12SI, MW-12M, and MW-101M, and in recovery wells RW-1S, RW-2D. MACTEC collected additional samples at RW-1S and RW-2D at the same depths as the PDBs with a peristaltic pump by purging for approximately 30 min and taking water quality readings before collecting samples. Groundwater levels were measured in the sampled wells.

The 2022 quarterly results were compared to the baseline sampling event completed in November 2021. Quarterly data is presented in Table 2.4 and summarized below.

First Quarter Findings: VOCs were detected at all nine monitoring locations. The concentrations of VOCs at the seven monitoring wells are generally consistent with the November 2021 baseline data. Concentrations of PCE at the recovery wells decreased from the baseline to the first quarterly

event. The compounds were detected at low concentrations in monitoring locations MW-101M, MW-12M, MW-12S, MW-5S, MW-7S, and MW-7D. Detections of tracer compounds during the first quarterly event are below the baseline reporting limits.

Second Quarter Findings: The concentrations of VOCs at the seven monitoring wells were consistent with the baseline and first quarterly sampling events. Analytical results for sodium and fluoride showed low concentrations at one cross gradient monitoring location (MW-5S). Detections of tracer compounds during the second quarterly event are below the baseline reporting limits.

Third Quarter Findings: VOCs were detected at the nine monitoring locations and results were consistent with the previous rebound evaluation sampling results. The concentrations of VOCs at the seven monitoring wells were consistent with the baseline and the first two quarterly sampling events. The concentrations of VOCs show a decreasing trend in one of the two recovery wells (RW-2D). Analytical results for sodium and fluoride showed low concentrations at one cross gradient monitoring location (MW-5S). Detections of tracer compounds during the third quarterly event were below the baseline reporting limits.

Fourth Quarter Findings: VOCs were detected at the ten monitoring locations and results are consistent with the previous rebound evaluation sampling results. The concentrations of VOCs at the seven monitoring wells were consistent with the baseline, first, second, and third quarterly sampling events. Additional samples collected at recovery wells RW-1S and RW-2D at the same depths as the PDBs with a peristaltic pump showed similar concentrations of PCE. This suggests that minimal pumping on the recovery wells does not have an impact on PCE concentrations However, higher pumper over a longer period of time (i.e., when the GWETS was running) may still cause contamination to be pulled from the zone of influence into the wells.

2.5.2 Proposed New Tenant Construction

UB Somers, Inc., the property owner, plans to lease the Site to Tractor Supply in 2023. The Owner has retained Groundwater & Environmental Services, Inc. as an environmental consultant to prepare an Environmental Compliance Workplan and a Soil Characterization Workplan to summarize proposed redevelopment plans for a portion of the Site and define actions that are required for compliance with the SMP. At the request of the NYSDEC, MACTEC will support the NYSDEC by reviewing work plans and any additional documentation as required.

2.5.3 Emerging Contaminant Sampling (PFAS)

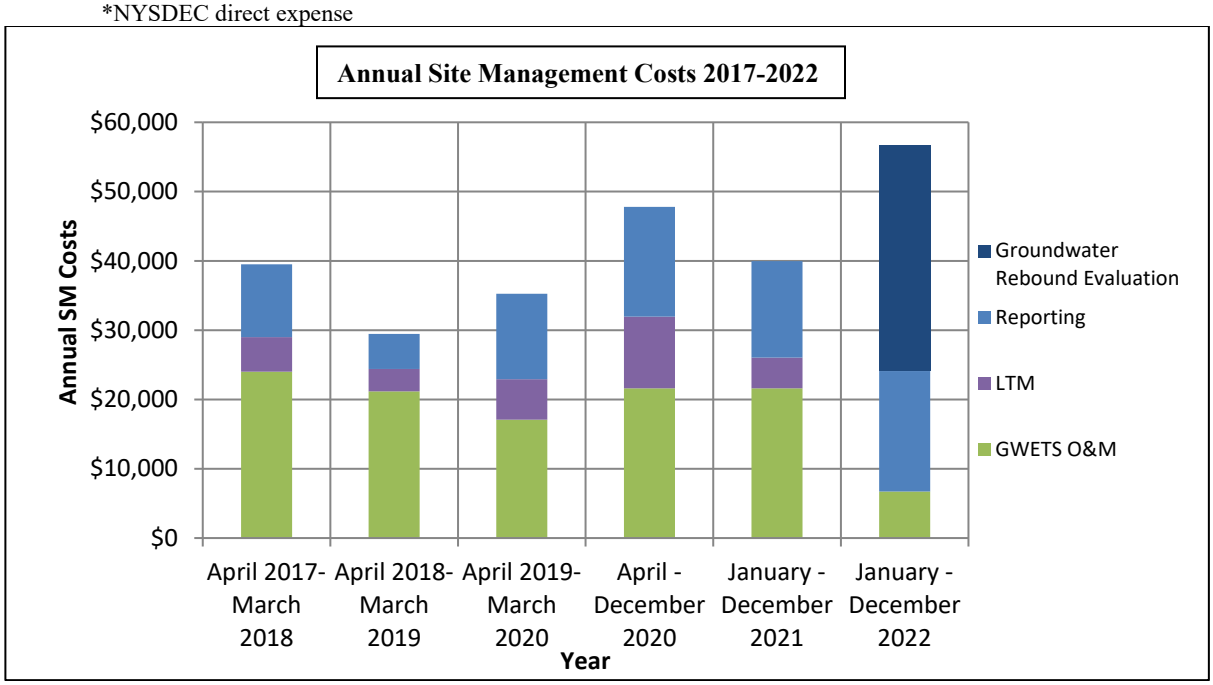
At the request of the NYSDEC, PFAS analysis was added to the LTM program (MACTEC, 2022a). The LTM was not conducted in 2022.

3.0 EVALUATION OF COSTS

A cost summary for the reporting period is provided below. Most of the SM costs are associated with the Groundwater Rebound Evaluation.

2022 Annual Site Management Cost Breakdown	
GWETS OM&M	
MACTEC Labor	$6,713
Utilities*	$2,053
	$8,766
Groundwater Rebound Evaluation	
Labor, Lodging, Travel, and shipping	$23,607
Laboratory Services*	$ 8,962
	$32,569
Reporting, including PRR	
MACTEC Labor	$17,381
	$17,381
Annual Total:	**$58,716**

NOTES:
*NYSDEC direct expense



Notes:
2017-March 2020: Costs obtained from Aztech PRRs
2017-2018: LTM Costs include Soil Vapor Sampling
2019-2020: LTM Costs include Soil Vapor Sampling and Emergent Contaminant Sampling
2020: Reporting Costs include LTM & Site Inspection Report, Quarterly Reports (Aztech), and PRR
2021: Reporting Costs include LTM & Site Inspection Report, Quarterly Reports (LaBella), and PRR
2022: Reporting Costs include the 2022 SMP, Climate Vulnerability and Sustainability Assessment Report, Quarterly Groundwater Rebound Evaluation Letters, and PRR

4.0 SUSTAINABILITY AND RESILENCY

The following section describes sustainability and resiliency actions that can be taken at the Site based upon the revised NYSDEC DER 31-Green Remediation (NYSDEC, 2011), CP-49-Climate Change and DEC Action (NYSDEC, 2021), and CP-75- DEC Sustainability (NYSDEC, 2022).

4.1 GREEN REMEDIATION

DER-31, revised in January 2011, describes strategies for developing and promoting innovative cleanup while restoring contaminated sites to productive use, promoting environmental stewardship, and reducing associated costs while minimizing ancillary environmental impacts from the cleanups (NYSDEC, 2011).

The following green remediation techniques applicable to SM will be considered for the Site:

- Increase energy efficiency/minimize total energy use and greenhouse gas emissions to the air by replacing equipment, altering operation, or shutting down unnecessary equipment.
- Incorporate sustainability into periodic reviews to identify opportunities to reduce energy and other impacts.

Green remediation actions which will be considered during the ongoing groundwater rebound evaluation associated with the RSO evaluation include:

- Focus on optimization to reduce energy use and time to closure
- Identify opportunities to reduce energy
- Reduce O&M visit frequency

4.2 CLIMATE CHANGE

CP-49 provides the NYSDEC's policy for incorporating climate change considerations into activities to comply with the specific requirements of the Climate Leadership and Community Protection Act of 2019 and the Community Risk and Resilience Act of 2014 (NYSDEC, 2021).

MACTEC submitted a climate vulnerability and sustainability assessment report in October 2022 (MACTEC, 2022b) that describes current and future conditions at the Site vulnerable to climate change and evaluates baseline GHG emissions.

4.3 SUSTAINABILITY

On January 3, 2022, The NYSDEC issued CP-75, a sustainability plan which describes NYSDEC goals for transitioning to lower carbon emissions which will contribute to a future sustainable economy (NYSDEC, 2022).

The policy includes guidance for the following:

- Eliminating greenhouse gasses
- Electrified vehicle fleets
- Energy efficiency in facilities
- Preventative maintenance to existing infrastructure to minimize life-cycle carbon
- Lower emissions while commuting
- Strive for zero waste
- Minimize hazardous materials and chemicals
- Minimize water usage
- Utilize green products and services
- Utilize low carbon equipment and technologies
- Demonstrate sustainable practices and technologies

MACTEC will continue to be cognizant of the new sustainability policy and will incorporate sustainable products, technologies, and equipment when feasible. As the GWETS has been shut down, NYCDEC is using energy only to heat Plant 1 during the colder months, and therefore emissions output from the Site have significantly decreased.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Current SM activities being conducted at the Site are in compliance with the requirements of the Site's SMP, and SM activities are effective in monitoring the status of the following remedial goals established in the ROD:

- Prevent exposure to contaminated soil
- Prevent continued degradation of groundwater quality through migration of PCE and its break down products from soil to groundwater
- Prevent exposure (inhalation, ingestion, and dermal) to contaminated groundwater
- Restore groundwater quality (impacted by PCE and breakdown products) to acceptable levels within a reasonable time frame
- Prevent migration and discharge of site contaminants in groundwater to adjacent surface water bodies.

Restoration of groundwater quality at the Site is ongoing.

5.1 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS

The current Ics/Ecs are adequate to achieve the objectives for protection of human health and the environment based on current site use. Ics for the Site via deed restriction, including (1) ensuring access to the Site for the unimpeded operation of the EC systems (ground water collection system), (2) restricting future residential use of the Site, and (3) restricting future use of the groundwater, remain in-place and adhered to.

ECs for the Site include a GWETS with two extraction wells, subsurface conveyance piping to Plant 1, controls, utility service connections, and the Plant 1 activated carbon filtration treatment system. During the reporting period, Ecs were determined to be in place and functioning as intended with the exception of those described in Section 2.1. The GWETS was shut down in November 2021 and remained offline through 2022.

During the September 2022 Site Inspection, it was noted that monitoring wells MW-7S and MW-9D were damaged. The road box threads on monitoring well MW-7D are oval shape and no longer

accepted bolts. Monitoring well MW-8S is missing bolts, and monitoring well MW-9D has a broken tab on its road box but still sits flush with grade.

SVI monitoring completed in January 2020 meets the criteria established via the NYSDOH Decision Matrices and their subsequent addenda. The current SVI monitoring program meets the goals of the ROD.

5.2 OPERATION AND MAINTENANCE PLAN

Since November 2021, while the GWETS is temporarily shut down for the groundwater rebound evaluation, O&M has ceased. MACTEC continued to monitor groundwater on a quarterly basis to determine if the GWETS will need to be reactivated and/or decommissioned. If the GWETS will need to be reactivated, the measures necessary to operate, monitor, and maintain the system components of the GWETS are described in the O&M Manual (MACTEC, 2022a).

5.3 LONG TERM MONITORING PLAN

The next LTM sampling event will be conducted in February 2023. Sampling will consist of collecting VOC samples via PDBs (for wells associated with the LTM and quarterly groundwater rebound evaluation), and VOC and PFAS samples associated with solely the LTM will be collected via low flow purging methods.

5.4 EMERGING CONTAMINANT SAMPLING

At the request of the NYSDEC, MACTEC will continue to collect samples from nine on-site monitoring locations during the 2023 LTM sampling event for PFAS analyses.

5.5 SITE MANAGEMENT PLAN

The 2022 SMP was updated to reflect SM changes. Changes to the SMP included the addition of groundwater samples collected for emerging contaminants per- and polyfluoroalkyl substances to the Long-Term Monitoring program, modification of Operation and Maintenance site visit and sampling schedule, shutdown of the GWETS, and addition of quarterly sampling in and near the source area. The SMP will be updated after the completion of the rebound evaluation and future construction at the Site for the new tenant.

5.6 RECOMMENDATIONS

To continue optimizing system efficiency and remedial progress at the Site, the following are recommended.

5.6.1 Institutional Controls/Engineering Controls

Implementation and evaluation of existing IC/ECs should continue. Quarterly groundwater monitoring associated with the temporary shutdown of the GWETS and ongoing groundwater rebound evaluation will continue at the Site through June 2023.

Per the SMP, the conditions warranted the temporary discontinuation of active remediation included contaminant concentrations in groundwater has become asymptotic over an extended period of time.

5.6.2 Operation And Maintenance Plan

The SMP was updated in the April 2022 to reflect the ongoing groundwater rebound evaluation. The SMP will be updated after the completion of the rebound evaluation and future construction at the Site for the new tenant.

5.6.3 Long Term Monitoring Plan

MACTEC recommends the following activities associated with the LTM:

- Replace the bolts on monitoring wells MW-7S and MW-8S to maintain integrity (i.e., reduce potential for precipitation and potentially contaminants from the parking lot to enter the wells).
- Complete LTM sampling utilizing PFAS-free hydrasleeves for monitoring locations associated with the LTM, except for monitoring locations currently utilized in the groundwater rebound evaluation. Utilizing hysdrasleeves will:
    - Allow for sampling VOCs and PFAS simultaneously during future LTM events
    - Reduce time and costs of sampling (i.e. decrease in equipment required and labor hours spent).

6.0 REFERENCES

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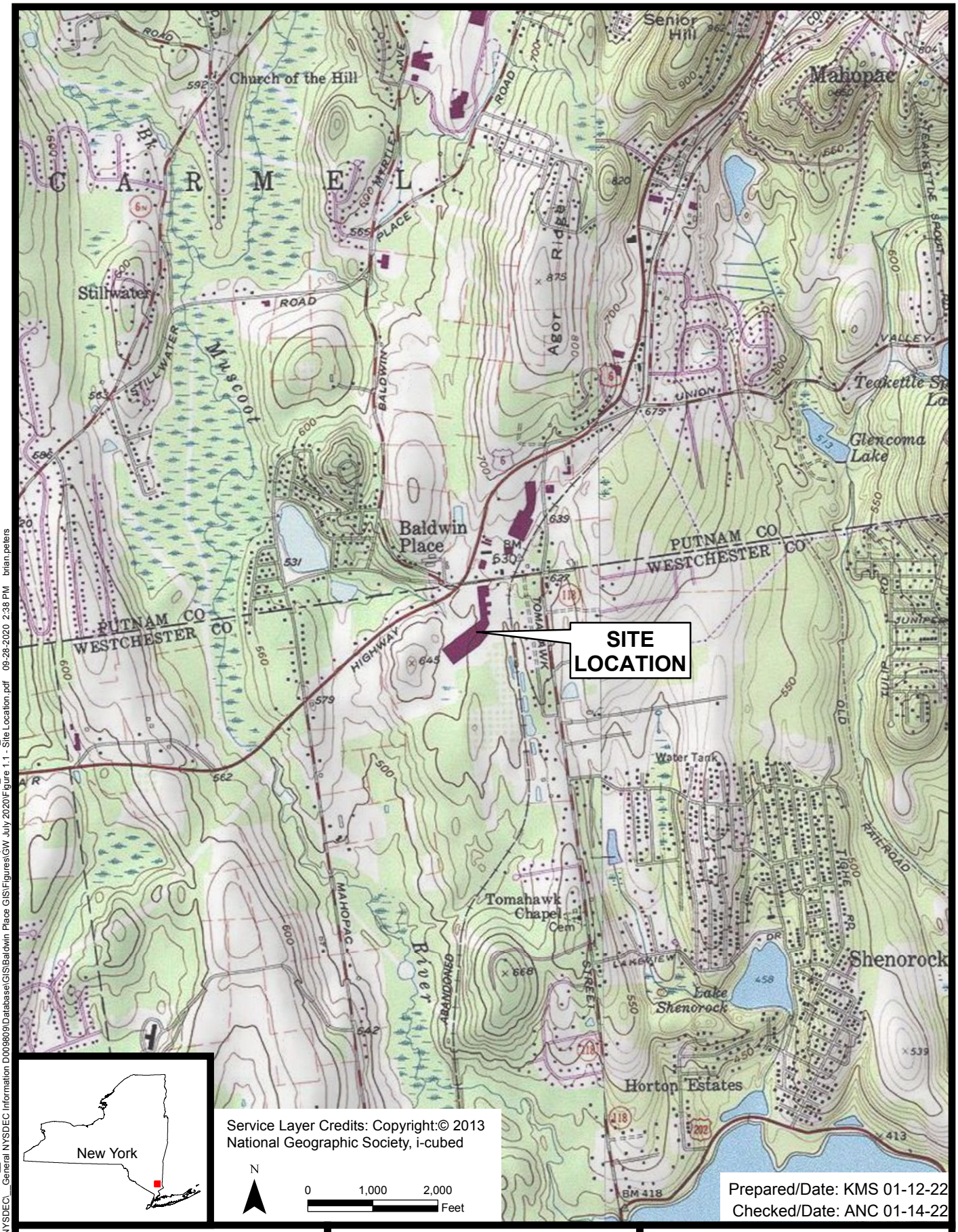
FIGURES



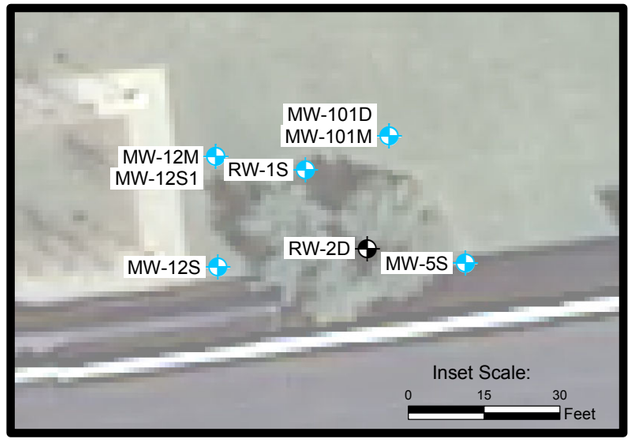
BALDWIN PLACE
SOMERS, NEW YORK

MACTEC

Site Location

Project 3616206104 Figure 1.1

Document: P:\Projects\NYSDEC_General NYSDEC Information D009809\Database\GIS\Baldwin Place GIS\MapDocuments\Site_Location_8.5x11P.mxd
PDF: P:\Projects\NYSDEC_General NYSDEC Information D009809\Database\GIS\Baldwin Place GIS\Figures\GW July 2020\Figure 1.1 - Site Location.pdf 09-28-2020 2:38 PM brian.peters



Baldwin Place Road
State Highway 118
MW-4S
MW-4D
MW-8S
Route 6
Clayton Boulevard
RW-1S
MW-101M
MW-101D
MW-12S1
MW-12M
MW-5S
MW-7S
MW-7M1
MW-7M2
MW-12S
RW-2D
MW-3D
MW-3DD
MW-7D
Plant 1
MW-9D
MW-9S
Unit Six
(Location of Deed Restriction)
MW-10D
Meadow Park Road
PW-1
Plant 2
PW-2
MW-2S
MW-2D

Legend

- Overburden Well
- Bedrock Well
- Approximate Unit 6 Deed Restriction
- Approximate Site Property Line

N

0 75 150 Feet

Putnam County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: gis.ny.gov

Prepared/Date: KMS 01-12-22
Checked/Date: ANC 01-14-22

BALDWIN PLACE
SOMERS, NEW YORK

MACTEC

Site Features and
Monitoring Well Locations
Project 3616206104 Figure 1.2

Document: P:\Projects\NYSDEC__General NYSDEC Information D009809\Database\GIS\Baldwin Place GIS\MapDocuments\GW_Eval_Rebound_FAP_11x17LS.mxd PDF: P:\Projects\NYSDEC\Baldwin Place SM\8.0 Project Deliverables\8.2 Work Plans\2021 GW Rebound Eval FAP\Figures\Figure 3 - Proposed Monitoring Locations.pdf 09-10-2021 10:38 AM brian.peters

Legend

MW-101M Monitoring Locations

Approximate 1997 Excavation

Overburden Well

Bedrock Well

N

0 25 50 Feet

Putnam County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: gis.ny.gov

Prepared/Date: BRP 09-10-21
Checked/Date: ANC 09-10-21

BALDWIN PLACE
SOMERS, NEW YORK

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Groundwater Rebound Evaluation Monitoring Locations
Project 3616206104 Figure 2.1

TABLES

Table 2.1: Site Management Requirements

Component	Action	Required Frequency	Comments/Recommendations
Groundwater Extraction and Treatment System			
GWETS Operation - Checklist	Inspection	Annually	Check water treatment operation: flow rates, meter readings, system components.
Extraction wells	Inspection	Annually	Check extraction wells, housing, control panels.
Ground Water Monitoring System	Inspection	15 Months	Visually inspect well pads/locks at site wells; repair as necessary to maintain integrity and security.
System Performance Monitoring			
Recovery Wells RW-1S and RW-2D	Influent water sampling	Not completed during the Groundwater Rebound Evaluation	Grab sample collected to evaluate and monitor GWETS system performance.
GWETS Performance Sampling	Influent & Effluent water sampling	Not completed during the Groundwater Rebound Evaluation	Grab sample collected from influent, mid-carbon, and effluent to evaluate and monitor GWETS system performance.
Environmental Monitoring			
Groundwater Monitoring Program	Groundwater sampling of 10 wells	15-month sampling interval	Samples collected from 10 on-site monitoring well locations
Unit 6 (former Home Goods) Air Sampling	Air sampling of 5 locations	3-year sampling interval	Air sampling of two sub slab soil vapor points, two indoor air locations, and one ambient (outside) sample location.

Prepared by: ML 01/07/2023
Checked by: ANC 01/15/2023

Table 2.2: Long Term Monitoring and Analyses Plan

Sample Type	Media	Location ID	Sampling Depth (feet bgs)	Sample ID	VOCs USEPA 8260	PFAS
Monitoring Well Sampling						
Monitoring Well	Groundwater	MW-4S	17	360023-MW004S017	1	1
Monitoring Well	Groundwater	MW-4D	75	360023-MW004D075	1	1
Monitoring Well	Groundwater	MW-5S	20	360023-MW005S020	1	
Monitoring Well	Groundwater	MW-7S	17	360023-MW007S017	1	1
Monitoring Well	Groundwater	MW-7D	73	360023-MW007D073	1	1
Monitoring Well	Groundwater	MW-8S	19	360023-MW008S019	1	
Monitoring Well	Groundwater	MW-9S	17	360023-MW009S017	1	1
Monitoring Well	Groundwater	MW-9D	75	360023-MW009D075	1	
Monitoring Well	Groundwater	MW-12S	33	360023-MW012S033	1	1
Monitoring Well	Groundwater	MW-101M	41	360023-MW101M041	1	1
Extraction Well	Groundwater	RW-1S	40	360023-RW001S040		1
Extraction Well	Groundwater	RW-2D	75	360023-RW002D075		1
Trip Blanks						
Trip Blank	DI Water	TB-01	NA	360023-TB01	1	

NOTES:
Sample ID: 360023 = NYSDEC Site No.
USEPA= Unites States Enviromnetal Protection Agency
USEPA 8260: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
PFAS = Per-and Poly-fluoroalkynated Substances

Created by: SEE 1/11/22
Reveiwed by: ANC 1/22/22

Table 2.3: Groundwater Rebound Evaluation Sample Identification and Analyses Plan

Sample Type	Media	Location ID	Sampling Depth (feet bgs)	Sample ID	First Quarter through Thrird Quarter Sampling Events			Fourth through Sixth Quarter Sampling Event		
					VOCs USEPA 8260	Sodium	Bromide & Fluoride	VOCs USEPA 8260	Sodium	Bromide & Fluoride
Monitoring Well	Groundwater	MW-5S	15	360023-MW005S015	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-5S	20	360023-MW005S020	1	1	1			
Monitoring Well	Groundwater	MW-7S	12	360023-MW007S012	1	1	1			
Monitoring Well	Groundwater	MW-7S	17	360023-MW007S017	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7S	22	360023-MW007S022	1	1	1			
Monitoring Well	Groundwater	MW-7D	63	360023-MW007D063	1	1	1			
Monitoring Well	Groundwater	MW-7D	68	360023-MW007D068	1	1	1			
Monitoring Well	Groundwater	MW-7D	73	360023-MW007D073	1	1	1			
Monitoring Well	Groundwater	MW-7D	78	360023-MW007D078	1	1	1			
Monitoring Well	Groundwater	MW-7D	83	360023-MW007D083	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-7D	88	360023-MW007D088	1	1	1			
Monitoring Well	Groundwater	MW-7M1	30	360023-MW007M1030				1	1	1
Monitoring Well	Groundwater	MW-7M2	40	360023-MW007M2040				1	1	1
Monitoring Well	Groundwater	MW-12S	33	360023-MW012S033	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12S	38	360023-MW012S038	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12SI	15	360023-MW012SI015	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12SI	20	360023-MW012SI020	1	1	1			
Monitoring Well	Groundwater	MW-12M	42	360023-MW012M042	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-12M	47	360023-MW012M047	1	1	1			
Monitoring Well	Groundwater	MW-101M	41	360023-MW101M041	1	1	1	1	1	1
Monitoring Well	Groundwater	MW-101M	46	360023-MW101M046	1	1	1			
Extraction Well	Groundwater	RW-1S	10	360023-RW001S010	1	1	1			
Extraction Well	Groundwater	RW-1S	15	360023-RW001S015	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	20	360023-RW001S020	1	1	1			
Extraction Well	Groundwater	RW-1S	25	360023-RW001S025	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	30	360023-RW001S030	1	1	1			
Extraction Well	Groundwater	RW-1S	35	360023-RW001S035	1	1	1	1	1	1
Extraction Well	Groundwater	RW-1S	40	360023-RW001S040	1	1	1			
Extraction Well	Groundwater	RW-1S	45	360023-RW001S045	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	55	360023-RW002D055	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	60	360023-RW002D060	1	1	1			
Extraction Well	Groundwater	RW-2D	65	360023-RW002D065	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	70	360023-RW002D070	1	1	1			
Extraction Well	Groundwater	RW-2D	75	360023-RW002D075	1	1	1	1	1	1
Extraction Well	Groundwater	RW-2D	80	360023-RW002D080	1	1	1			
Trip Blanks										
Trip Blank	DI Water	TB-01	NA	360023-TB01	1			1		

NOTES:
Sample ID: 360023 = NYSDEC Site No.
USEPA= Unites States Enviromnetal Protection Agency
USEPA 8260: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Created by: ML 12/28/22
Reveiwed by: ANC 01/15/23

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-101M		MW-101M		MW-101M		MW-101M		MW-101M		MW-101M	
				Depth (ft)	41		41		41		41		41		46	
				Sample ID	360023-MW101M041		360023-MW101M041		360023-MW101M041		360023-MW101M041		360023-MW101M041		360023-MW101M046	
				Sample Date	11/16/21		03/02/22		06/02/22		09/01/22		12/01/22		11/16/21	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**93.3**		**130**		**130**		**140**		**130**		**112**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	2	U	1	U	2	U	4	UD	4	U	2	U
VOCs	Acetone	NS	50	ug/L	20	U	50	U	100	U	200	UD	200	U	20	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**26**		**170**		**250**		**280**	**D**	**210**	**D**	**65**	
VOCs	Cyclohexane	NS	NS	ug/L	2	U									2	U
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	**0.36**	**J**	1	U	2	U	4	UD	4	U	2	U
VOCs	Tetrachloroethene	5	NS	ug/L	**6.8**		**6.6**		**14**		**19**	**D**	**14**	**D**	**1.3**	**J**
VOCs	Trichloroethene	5	NS	ug/L	**1**	**J**	**5.6**		**9.4**		**11**	**D**	**5.6**	**D**	**1.1**	**J**
VOCs	Vinyl chloride	2	NS	ug/L	**2.5**		**4.3**		**6.2**		**12**	D	**2.4**	JD	**7.6**	
WC	Bromide	NS	2,000	mg/L	1	U	**0.51**		0.5	U	**0.43**		**0.48**		1	U
WC	Fluoride	1,500	NS	mg/L	0.25	U	**0.094**	**J**	0.1	U	0.1	UD	0.1	U	0.25	U

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Created/Date: ML 01/14/23
Checked/Date: ANC 01/15/23

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-101M		MW-101M		MW-101M		MW-12M		MW-12M		MW-12M	
				Depth (ft)	46		46		46		42		42		42	
				Sample ID	360023-MW101M046		360023-MW101M046		360023-MW101M046		360023-MW012M042		360023-MW012M042		360023-MW012M042	
				Sample Date	03/02/22		06/02/22		09/01/22		03/02/22		06/02/22		09/01/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**140**		**140**		**140**		**44**		**23**		**45**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	2	U	2	UD	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	**2.6**	**J**	100	U	100	UD	**2.3**	**J**	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**150**		**220**		**220**	**D**	1	U	1	U	**0.99**	**J**
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	2	U	2	UD	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	**3.6**		**7.2**		2	UD	**0.68**	**J**	**1**	**J**	**0.45**	**J**
VOCs	Trichloroethene	5	NS	ug/L	**6**		**10**		**5.9**	**D**	1	U	**0.4**	**J**	**0.6**	**J**
VOCs	Vinyl chloride	2	NS	ug/L	**4.7**		**10**		**15**	D	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	**0.51**		10	U	**0.43**		0.1	U	0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	**0.092**	**J**	10	U	0.1	U	0.1	U	0.1	U	0.1	U

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-12M		MW-12M		MW-12M		MW-12M		MW-12S1		MW-12S1	
				Depth (ft)	42		47		47		47		15		15	
				Sample ID	360023-MW012M042		360023-MW012M047		360023-MW012M047		360023-MW012M047		360023-MW012S1015		360023-MW012S1015	
				Sample Date	12/01/22		03/02/22		06/02/22		09/01/22		11/16/21		03/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**100**		**62**		**150**		**200**		**36**		**44**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	**3.2**	**J**	50	U	50	U	10	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**12**		1	U	**9.0**		**0.82**		1	U	**0.55**	**J**
VOCs	Cyclohexane	NS	NS	ug/L									**0.93**	**J**		
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	**0.91**	**J**	1	U	**0.82**	**J**	**64**		**31**	
VOCs	Trichloroethene	5	NS	ug/L	**2.6**		1	U	**2.3**		**0.57**	**J**	**2.2**		**1.1**	
VOCs	Vinyl chloride	2	NS	ug/L	**0.27**	J	2	U	2	U	2	U	1	U	2	U
WC	Bromide	NS	2,000	mg/L	0.1	U	**0.36**		0.5	U	**0.31**		0.4	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.095**	**J**

Notes:
GA = New York State Class GA Groundwater Standards
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ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-12S1		MW-12S1		MW-12S1		MW-12S1		MW-12S1		MW-12S1	
				Depth (ft)	15		15		15		20		20		20	
				Sample ID	360023-MW012S1015		360023-MW012S1015		360023-MW012S1015		360023-MW012S1020		360023-MW012S1020		360023-MW012S1020	
				Sample Date	06/02/22		09/01/22		12/01/22		11/16/21		03/02/22		06/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**51**		**38**		**47**		**70.6**		**53**		**47**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	2	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	50	U	50	U	20	U	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**0.83**	**J**	**2.6**		**2.4**		2	U	**0.89**	**J**	**1**	
VOCs	Cyclohexane	NS	NS	ug/L							2	U				
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	1	U	1	U	2	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	**46**		**81**		**64**		**65**		**38**		**56**	
VOCs	Trichloroethene	5	NS	ug/L	**1.4**		**3.6**		**4**		**2.1**		**1.4**		**1.7**	
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	2	U	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	0.5	U	0.1	U	0.1	U	1	U	0.1	U	0.5	U
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.1	U	0.1	U	0.25	U	0.1	U	0.1	U

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-12S1		MW-12S		MW-12S		MW-12S		MW-12S		MW-12S	
				Depth (ft)	20		33		33		33		33		33	
				Sample ID	360023-MW012S1020		360023-MW012S033		360023-MW012S033DUP		360023-MW012S033		360023-MW012S033		360023-MW012S033	
				Sample Date	09/01/22		11/16/21		11/16/21		03/02/22		06/02/22		09/01/22	
				Qc Code	FS		FS		FD		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**45**		**46.1**				**48**		**45**		**46**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	100	U	100	U	40	U	40	U	20	UD
VOCs	Acetone	NS	50	ug/L	50	U	1,000	U	1,000	U	2000	U	2000	U	1000	UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**2**		100	U	100	U	40	U	40	U	**7**	**JD**
VOCs	Cyclohexane	NS	NS	ug/L			100	U	100	U						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	100	U	100	U	40	U	40	U	20	UD
VOCs	Tetrachloroethene	5	NS	ug/L	**71**		**3,000**		**5,000**		**2100**		**2400**		**1900**	**D**
VOCs	Trichloroethene	5	NS	ug/L	**2.9**		100	U	100	U	40	U	40	U	**11**	**JD**
VOCs	Vinyl chloride	2	NS	ug/L	2	U	100	U	100	U	80	U	80	U	40	UD
WC	Bromide	NS	2,000	mg/L	0.1	U	1	U			0.1	U	0.1	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.25	U			0.1	U	0.1	U	0.1	U

Notes:
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mg/L = miligrams per liter
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-12S		MW-12S		MW-12S		MW-12S		MW-4D		MW-4D	
				Depth (ft)	33		38		38		38		75		75	
				Sample ID	360023-MW012S033		360023-MW012S038		360023-MW012S038		360023-MW012S038		360023-MW004D075		360023-MW004D075DUP	
				Sample Date	12/01/22		11/16/21		03/02/22		12/01/22		11/17/21		11/17/21	
				Qc Code	FS		FS		FS		FS		FS		FD	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**45**		**44**		**49**		**44**					
VOCs	1,1-Dichloroethane	5	NS	ug/L	20	U	100	U	20	U	40	U	**0.57**	**J**	**0.5**	**J**
VOCs	Acetone	NS	50	ug/L	**56**	**JD**	1,000	U	2000	U	**61**	JD	**24**		**26**	
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**18**	**J**	100	U	**10**		40	U	1	U	1	U
VOCs	Cyclohexane	NS	NS	ug/L			100	U					1	U	1	U
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	20	U	100	U	20	U	40	U	**28**		**27**	
VOCs	Tetrachloroethene	5	NS	ug/L	**1300**	**D**	**6,000**		**2100**		**1600**	**D**	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	**8**	**JD**	100	U	**8**	J	**8**	**JD**	1	U	1	U
VOCs	Vinyl chloride	2	NS	ug/L	40	UD	100	U	40	U	80	U	1	U	1	U
WC	Bromide	NS	2,000	mg/L	0.1	U	1	U	0.1	U	0.1	U				
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.25	U	0.1	U	0.1	U				

Notes:
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ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
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Qualifier: U = not detected; J = estimated; D = diluted
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-4S		MW-12S		MW-12S		MW-5S		MW-5S		MW-5S	
				Depth (ft)	17		38		38		15		15		15	
				Sample ID	360023-MW004S017		360023-MW012S038		360023-MW012S038		360023-MW005S015		360023-MW005S015		360023-MW005S015	
				Sample Date	11/17/21		06/02/22		09/01/22		11/16/21		03/02/22		06/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**45**		**47**		**13.2**		**5.9**		**12**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	40	U	25	UD	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	10	U	2000	U	1200	UD	10	U	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1	U	40	U	**7.8**	**JD**	1	U	1	U	**4.4**	
VOCs	Cyclohexane	NS	NS	ug/L	1	U					**0.86**	**J**				
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	40	U	25	UD	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	**2400**		**2600**	**D**	**13**		**4**		**2.7**	
VOCs	Trichloroethene	5	NS	ug/L	1	U	40	U	**16**	**JD**	**1.8**		**0.78**	**J**	**2.1**	
VOCs	Vinyl chloride	2	NS	ug/L	1	U	80	U	50	UD	1	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L			0.5	U	0.1	U	0.4	U	0.1	U	0.5	U
WC	Fluoride	1,500	NS	mg/L			0.1	U	0.1	U	**0.058**	**J**	0.1		0.1	U

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Qualifier: U = not detected; J = estimated; D = diluted
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-5S		MW-5S		MW-5S		MW-5S		MW-5S	
				Depth (ft)	15		15		20		20		20	
				Sample ID	360023-MW005S015		360023-MW005S015		360023-MW005S020		360023-MW005S020		360023-MW005S020	
				Sample Date	9/1/2022		12/1/2022		11/16/21		03/02/22		06/02/22		09/01/22
				Qc Code	FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**53**		**74**		**16.6**		**5.9**		**10**		**58**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	50	U	10	U	50	U	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**13**		**5**		**1.8**		**0.26**	**J**	**7.2**	**J**	**13**	
VOCs	Cyclohexane	NS	NS	ug/L					1	U						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	**0.39**	J	**6.3**		**12**		**3.9**		**1**		1	U
VOCs	Trichloroethene	5	NS	ug/L	1	U	**0.87**		**2.1**		**0.76**	**J**	**2.7**		1	U
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	1	U	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	0.1	U	0.1	U	0.4	U	0.1	U	0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.1	U	**0.06**	**J**	0.1	U	**0.1**		0.1	U

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mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-7M1		MW-7M2		MW-7D		MW-7D		MW-7D		MW-7D	
				Depth (ft)	30		40		63		63		63		63	
				Sample ID	360023-MW007M1030		360023-MW007M2030		360023-MW007D063		360023-MW007D063		360023-MW007D063		360023-MW007D063	
				Sample Date	12/01/22		12/01/22		11/16/21		03/02/22		06/02/22		09/01/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**520**	D	**230**		**71.6**		**72**		**64**		**72**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	2	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	**6.6**	J	20	U	50	U	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1	U	1	U	**7.2**		**4.4**		**2.7**		**4.6**	
VOCs	Cyclohexane	NS	NS	ug/L					2	U						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	1	U	2	U	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	**4.5**		1	U	2	U	1	U	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	**0.75**	J	1	U	**4.6**		**2.1**		**1.4**		**1.6**	
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	2	UJ	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	0.1	U	**0.55**		2	U	**0.68**		0.5	U	**0.49**	
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.1	U	0.5	U	**0.094**	**J**	0.1	U	0.1	U

Notes:
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mg/L = miligrams per liter
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-7D		MW-7D		MW-7D		MW-7D		MW-7D		MW-7D	
				Depth (ft)	68		68		68		68		73		73	
				Sample ID	360023-MW007D068		360023-MW007D068		360023-MW007D068		360023-MW007D068		360023-MW007D073		360023-MW007D073	
				Sample Date	11/16/21		03/02/22		06/02/22		09/01/22		11/16/21		03/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**70.6**		**76**		**67**		**75**		**74.6**		**83**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	10	U	50	U	50	U	50	U	10	U	**5.8**	J
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**7.4**		**3.3**		**2.5**		**3.7**		**3.3**		**5.8**	
VOCs	Cyclohexane	NS	NS	ug/L	1	U							1	U		
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	1	U	1	U	**0.22**	J	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	**4.4**		**1.4**		**0.94**	**J**	**1.1**		**2.0**		**2**	
VOCs	Vinyl chloride	2	NS	ug/L	1	U	2	U	2	U	2	U	1	U	2	U
WC	Bromide	NS	2,000	mg/L	2	U	**0.67**		0.5	U	**0.53**		2	U	**0.67**	
WC	Fluoride	1,500	NS	mg/L	0.5	U	**0.098**	**J**	0.1	U	0.1	U	0.5	U	**0.1**	

Notes:
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NS = not specified
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-7D		MW-7D		MW-7D		MW-7D		MW-7D		MW-7D	
				Depth (ft)	73		73		78		78		78		78	
				Sample ID	360023-MW007D073		360023-MW007D073		360023-MW007D078		360023-MW007D078		360023-MW007D078DUP		360023-MW007D078DUP	
				Sample Date	06/02/22		09/01/22		11/16/21		03/02/22		03/02/22		06/02/22	
				Qc Code	FS		FS		FS		FS		FD		FD	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**70**		**73**		**78.9**		**84**				**86**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	2	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	50	U	20	U	**5.1**	J	**11**	J	50	J
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**3.8**		**3.8**		**7.7**		**2.7**		**6.4**		**4.6**	
VOCs	Cyclohexane	NS	NS	ug/L					2	U						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	**0.24**	J	2	U	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	1	U	2	U	1	U	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	**1.3**		**1.1**		**3.0**		**1.1**		**1.9**		**1.3**	
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	2	U	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	0.5	U	**0.52**		2	U	**0.64**				0.5	U
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.1	U	0.5	U	**0.1**				0.1	U

Notes:
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Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-7D		MW-7D		MW-7D		MW-7D		MW-7D		MW-7D	
				Depth (ft)	78		78		83		83		83		83	
				Sample ID	360023-MW007D078		360023-MW007D078DUP		360023-MW007D083		360023-MW007D083		360023-MW007D083		360023-MW007D083	
				Sample Date	09/01/22		09/01/22		11/16/21		03/02/22		06/02/22		09/01/22		12/01/22	
				Qc Code	FD		FD		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**79**				**80.4**		**90**		**72**		**89**		**87**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	50	U	10	U	**6.7**	J	50	U	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**4.1**		**4.1**		**5.9**		**5.3**		**2.7**		**5**		**4.6**	
VOCs	Cyclohexane	NS	NS	ug/L					1	U								
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	**0.22**	J	1	U	1	U	1	U	1	U	**0.23**	J	**0.24**	J
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Trichloroethene	5	NS	ug/L	**0.76**	**J**	**0.84**	**J**	**3.0**		**1.6**		**0.9**		**1.1**		**0.7**	J
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	1	U	2	U	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	**0.47**				2	U	**0.66**		0.5	U	**0.49**		**0.55**	
WC	Fluoride	1,500	NS	mg/L	0.1	U			0.5	U	**0.11**		0.1	U	0.1	U	0.1	U

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mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-7D		MW-7D		MW-7D		MW-7D		MW-7S		MW-7S	
				Depth (ft)	88		88		88		88		12		12	
				Sample ID	360023-MW007D088		360023-MW007D088		360023-MW007D088		360023-MW007D088		360023-MW007S012		360023-MW007S012	
				Sample Date	11/16/21		03/02/22		06/02/22		09/01/22		11/16/21		03/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**80.2**		**88**		**76**		**87**		**425**		**610**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	10	U	**6.9**	J	50	U	50	U	10	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**5.2**		**6.4**		**5.9**		**6.0**		1	U	1	U
VOCs	Cyclohexane	NS	NS	ug/L	**0.89**	**J**							1	U		
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	**0.17**	**J**	1	U	1	U	**0.21**	J	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	1	U	1	U	1	U	**2.5**		**4.6**	
VOCs	Trichloroethene	5	NS	ug/L	**2.2**		**1.6**		**1.1**		**0.72**	**J**	1	U	**0.63**	**J**
VOCs	Vinyl chloride	2	NS	ug/L	1	U	2	U	2	U	2	U	1	U	2	U
WC	Bromide	NS	2,000	mg/L	2	U	**0.66**		0.5	U	**0.55**		1	U	**0.44**	
WC	Fluoride	1,500	NS	mg/L	0.5	U	**0.1**		0.1	U	0.1	U	0.25	U	0.1	U

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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-7S		MW-7S		MW-7S		MW-7S		MW-7S		MW-7S	
				Depth (ft)	12		12		17		17		17		17	
				Sample ID	360023-MW007S012		360023-MW007S012		360023-MW007S017		360023-MW007S017		360023-MW007S017		360023-MW007S017	
				Sample Date	06/02/22		09/01/22		11/16/21		03/02/22		06/02/22		12/01/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**720**		**750**	D	**495**		**580**		**740**		**690**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	**2.2**	J	10	U	50	U	50	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Cyclohexane	NS	NS	ug/L					**1.4**							
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	**5.4**		**4.1**		**5**		**4.6**		**6.5**		**5.4**	
VOCs	Trichloroethene	5	NS	ug/L	1	U	**0.28**	**J**	**1.3**		**0.62**	**J**	**0.44**	**J**	1	U
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	1	U	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	0.5	U	**0.32**		2	U	**0.45**		0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U	0.1	U

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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-8S		MW-9S		MW-9S		MW-7S		MW-7S		MW-7S	
				Depth (ft)	19		17		75		17		22		22	
				Sample ID	360023-MW0083019		360023-MW009S017		360023-MW009S075		360023-MW007S017		360023-MW007S022		360023-MW007S022	
				Sample Date	11/18/21		11/17/21		11/17/21		09/01/22		11/16/21		03/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L							790		**721**		660	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	**16**		**13**		**17**		50	U	10	U	50	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1	U	**3.8**		**1.2**		**0.23**	**J**	1	U	1	U
VOCs	Cyclohexane	NS	NS	ug/L	**1.1**		1	U	**0.88**	**J**			**1.5**			
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	**0.29**	**J**	**1.1**		1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	1	U	**23**		**0.66**	**J**	**4.5**		**4.9**		**5.1**	
VOCs	Trichloroethene	5	NS	ug/L	1	U	**4.2**		**3.5**		1.6		1	U	**0.25**	**J**
VOCs	Vinyl chloride	2	NS	ug/L	1	U	1	U	1	U	2	U	1	U	2	U
WC	Bromide	NS	2,000	mg/L							**0.37**		4	U	**0.6**	
WC	Fluoride	1,500	NS	mg/L							0.1	U	1	U	0.1	U

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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	MW-7S		MW-7S		RW-1S		RW-1S		RW-1S		RW-1S	
				Depth (ft)	22		22		10		10		10		15	
				Sample ID	360023-MW007S022		360023-MW07S022		360023-RW001S010		360023-RW001S010		360023-RW001S010		360023-RW001S015	
				Sample Date	06/02/22		09/01/22		03/02/22		06/02/22		09/01/22		03/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**750**		**770**	**D**	**2500**		**27**		**13**		**2300**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Acetone	NS	50	ug/L	50	U	50	U	**9.8**	**J**	**2.5**	**J**	50	U	**9.1**	**J**
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	1	U	1	U	**44**		**11**		**18**		**43**	
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	1	U	1	U	1	U	1	U	1	U
VOCs	Tetrachloroethene	5	NS	ug/L	**6.0**		**5.2**		**120**		**77**		**26**		**130**	
VOCs	Trichloroethene	5	NS	ug/L	1	U	1	U	**7.5**		**2.1**		**0.94**	**J**	**7.5**	
VOCs	Vinyl chloride	2	NS	ug/L	2	U	2	U	2	U	2	U	2	U	2	U
WC	Bromide	NS	2,000	mg/L	0.5	U	**0.52**		**0.86**		0.5	U	0.1	U	**0.72**	
WC	Fluoride	1,500	NS	mg/L	0.1	U	0.1	U	**1700**		**5.2**		**3.9**		**1600**	

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Qualifier: U = not detected; J = estimated; D = diluted
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*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-1S		RW-1S		RW-1S		RW-1S		RW-1S		RW-1S	
				Depth (ft)	15		15		15		15		20		20	
				Sample ID	360023-RW001S015		360023-RW001S015		360023-RW001S015		360023-RW001S015P*		360023-RW001S020		360023-RW001S020	
				Sample Date	06/02/22		09/01/22		12/01/22		12/01/22		03/02/22		06/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**29**		**18**		**24**				**1900**		**26**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	2	UD	2	U	2	U	1	U	2	U
VOCs	Acetone	NS	50	ug/L	100	U	100	UD	100	U	100	U	**9.3**	**J**	100	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**44**		**66**	**D**	**54**		**34**		**44**		**49**	
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	2	U	2	UD	2	U	2	U	1	U	2	U
VOCs	Tetrachloroethene	5	NS	ug/L	**210**		**150**	**D**	**180**		**180**		**140**		**260**	
VOCs	Trichloroethene	5	NS	ug/L	**9.6**		**13**	**D**	**11**		**11**		**8**		**12**	
VOCs	Vinyl chloride	2	NS	ug/L	4	U	4	UD	4	U	4	U	2	U	4	U
WC	Bromide	NS	2,000	mg/L	0.5	U	0.1	U	0.1	U	0.1	U	**0.56**		0.5	U
WC	Fluoride	1,500	NS	mg/L	**5.2**		**2.2**		**1.4**		**1.4**		**1300**		**5.1**	

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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-1S	RW-1S	RW-1S	RW-1S	RW-1S	RW-1S
				Depth (ft)	20	25	25	25	25	25
				Sample ID	360023-RW001S020	360023-RW001S025	360023-RW001S025	360023-RW001S025	360023-RW001S025	360023-RW001S025P*
				Sample Date	09/01/22	03/02/22	06/02/22	09/01/22	12/01/22	12/01/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	**Parameter**	**GA**	**GV**	**Units**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**
Metals	Sodium	20,000	NS	mg/L	**28**	**1600**	**33**	**31**	**32**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	2 UD	1 U	2 U	4 UD	4	4 U
VOCs	Acetone	NS	50	ug/L	100 UD	**7.8 J**	100 U	200 UD	**17**	**15**
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**98 D**	**45**	**45**	**68 D**	**59**	**55**
VOCs	Cyclohexane	NS	NS	ug/L						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	2 UD	1 U	2 U	4 UD	4 U	4 U
VOCs	Tetrachloroethene	5	NS	ug/L	**240 D**	**140**	**240**	**270 D**	**230**	**220**
VOCs	Trichloroethene	5	NS	ug/L	**23 D**	**7.9**	**12**	**16 D**	**15**	**13**
VOCs	Vinyl chloride	2	NS	ug/L	4 UD	2 U	4 U	8 UD	8 U	8 U
WC	Bromide	NS	2,000	mg/L	0.1 U	**0.49**	0.5 U	0.1 U	0.1 U	
WC	Fluoride	1,500	NS	mg/L	**3.3**	**1100**	**5.1**	**3.6**	**2**	

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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-1S		RW-1S		RW-1S		RW-1S		RW-1S		RW-1S	
				Depth (ft)	30		30		30		35		35		35	
				Sample ID	360023-RW001S030		360023-RW001S030		360023-RW001S030		360023-RW001S035		360023-RW001S035		360023-RW001S035	
				Sample Date	03/02/22		06/02/22		09/01/22		03/02/22		06/02/22		09/01/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**1400**		**32**		**40**		**1600**		**33**		**37**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	2	U	2	UD	1	U	2	U	2	UD
VOCs	Acetone	NS	50	ug/L	**12**	**J**	**4.1**	**J**	100	UD	**8.4**	**J**	100	U	100	UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**45**		**44**		**63**	**D**	**44**		**44**		**70**	**D**
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	2	U	2	UD	1	U	2	U	2	UD
VOCs	Tetrachloroethene	5	NS	ug/L	**140**		**230**		**250**	**D**	**130**		**250**		**260**	**D**
VOCs	Trichloroethene	5	NS	ug/L	**7.7**		**11**		**16**	**D**	**7.6**		**12**		**17**	**D**
VOCs	Vinyl chloride	2	NS	ug/L	2	U	4	U	4	UD	2	U	4	U	4	UD
WC	Bromide	NS	2,000	mg/L	**0.46**		0.5	U	0.1	U	**0.63**		0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L	**910**		**5.1**		**4.2**		**1100**		**5.4**		**4.2**	

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mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
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Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-1S		RW-1S		RW-1S		RW-1S		RW-1S		RW-1S	
				Depth (ft)	35		40		40		40		40		40	
				Sample ID	360023-RW001S035P*		360023-RW001S040		360023-RW0015040		360023-RW001S040		360023-RW001S040		360023-RW001S040	
				Sample Date	12/01/22		11/18/21		02/08/22		03/02/22		06/02/22		09/01/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L			**168**		**2000**		**1400**		**33**		**40**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	4	U					1	U	2	U	2	UD
VOCs	Acetone	NS	50	ug/L	**16**						**28**	**J**	100	U	100	UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**57**						**45**		**44**		**65**	**D**
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	4	U					1	U	2	U	2	UD
VOCs	Tetrachloroethene	5	NS	ug/L	**240**						**130**		**220**		**260**	**D**
VOCs	Trichloroethene	5	NS	ug/L	**14**						**7.7**		**10**		**16**	**D**
VOCs	Vinyl chloride	2	NS	ug/L	8	U					2	U	4	U	4	UD
WC	Bromide	NS	2,000	mg/L			1	U	**1.8**		**0.49**		0.5	U	0.1	U
WC	Fluoride	1,500	NS	mg/L			**8.1**		**1700**		**890**		**5.5**		**4.1**	

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-1S		RW-1S		RW-1S		RW-1S		RW-1S		RW-2D	
				Depth (ft)	45		45		45		45		45		55	
				Sample ID	360023-RW001S045		360023-RW001S045		360023-RW001S045		360023-RW001S045		360023-RW001S045P*		360023-RW002D055	
				Sample Date	03/02/22		06/02/22		09/01/22		12/01/22		12/01/22		03/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**1600**		**46**		**41**		**48**				**310**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	1	U	2	U	2	UD	4	U	4	U	50	U
VOCs	Acetone	NS	50	ug/L	**7.9**	**J**	100	U	100	UD	**15**		**15**		2500	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**46**		**42**		**72**	**D**	**64**		**71**		**3300**	
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	1	U	2	U	2	UD	4	U	**0.76**	J	50	U
VOCs	Tetrachloroethene	5	NS	ug/L	**65**		**220**		**280**	**D**	**270**		**250**		**30**	**J**
VOCs	Trichloroethene	5	NS	ug/L	**5.5**		**10**		**18**	**D**	**19**		**21**		**18**	**J**
VOCs	Vinyl chloride	2	NS	ug/L	2	U	4	U	**4**	**UD**	8	**U**	8	**U**	100	U
WC	Bromide	NS	2,000	mg/L	**0.59**		0.5	U	0.1	U	0.1	U			**740**	
WC	Fluoride	1,500	NS	mg/L	**1100**		**6.2**		**4.1**		**3.7**				**1.4**	

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-2D		RW-2D		RW-2D		RW-2D		RW-2D		RW-2D	
				Depth (ft)	55		55		55		55		60		60	
				Sample ID	360023-RW002D055		360023-RW002D055		360023-RW002D055		360023-RW002D055P*		360023-RW002D060		360023-RW002D060	
				Sample Date	06/02/22		09/01/22		12/01/22		12/01/22		03/02/22		06/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**200**		**30**		**45**				**300**		**210**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	5	U	25	UD	50	U	50	U	40	U	5	U
VOCs	Acetone	NS	50	ug/L	250	U	1200	UD	**140**		**140**		2000	U	**12**	
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**580**	**D**	**2400**	**D**	**3300**		**3700**		**3500**		**590**	
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	5	U	25	UD	50	U	50	U	40	U	5	U
VOCs	Tetrachloroethene	5	NS	ug/L	**2.6**	**J**	**25**	**UD**	50	U	**36**		**19**	**J**	**5.7**	
VOCs	Trichloroethene	5	NS	ug/L	5	U	**25**	**UD**	50	U	50	U	**15**	**J**	5	U
VOCs	Vinyl chloride	2	NS	ug/L	100	UD	**52**	**D**	**67**	**J**	**74**	**J**	80	U	10	U
WC	Bromide	NS	2,000	mg/L	**163**		**9.3**	**D**	**7**				**770**		**154**	
WC	Fluoride	1,500	NS	mg/L	**0.95**		**0.13**		**0.12**				**1.3**		**0.94**	

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-2D	RW-2D	RW-2D	RW-2D	RW-2D	RW-2D
				Depth (ft)	60	65	65	65	65	65
				Sample ID	360023-RW002D060	360023-RW002D065	360023-RW002D065	360023-RW002D065	360023-RW002D065	360023-RW002D065P*
				Sample Date	09/01/22	03/02/22	06/03/22	09/01/22	12/01/22	12/01/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	**Parameter**	**GA**	**GV**	**Units**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**
Metals	Sodium	20,000	NS	mg/L	**31**	**290**	**210**	**29**	**37**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	2 UD	10 U	5 U	2 UD	10 U	4 U
VOCs	Acetone	NS	50	ug/L	**14** JD	**37 J**	250 U	**20** JD	**22** J	**16** J
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**58 D**	**3300**	**540**	**87 D**	**760**	**320**
VOCs	Cyclohexane	NS	NS	ug/L						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	2 UD	10 U	5 U	2 UD	10 U	**1.3**
VOCs	Tetrachloroethene	5	NS	ug/L	**1.9 JD**	**15**	**7.4**	2 UD	10 U	**1.5** J
VOCs	Trichloroethene	5	NS	ug/L	2 UD	**12 D**	5 U	2 UD	10 U	4 U
VOCs	Vinyl chloride	2	NS	ug/L	**16** D	20 U	10 U	**13** D	**28**	**32**
WC	Bromide	NS	2,000	mg/L	**8.9 D**	**760**	**177**	**8.3 D**	**29**	
WC	Fluoride	1,500	NS	mg/L	**0.13**	**1.3**	**0.94**	**0.14**	**0.17**	

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-2D	RW-2D	RW-2D	RW-2D	RW-2D	RW-2D
				Depth (ft)	70	70	70	75	75	75
				Sample ID	360023-RW002D070	360023-RW002D070	360023-RW002D070	360023-RW002D075	360023-RW002P075	360023-RW002D075
				Sample Date	03/02/22	06/02/22	09/01/22	11/18/21	02/08/22	03/02/22
				Qc Code	FS	FS	FS	FS	FS	FS
Class	**Parameter**	**GA**	**GV**	**Units**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**	**Result Qualifier**
Metals	Sodium	20,000	NS	mg/L	**300**	**210**	**30**	**89.8**	**490**	**300**
VOCs	1,1-Dichloroethane	5	NS	ug/L	10 UD	5 U	2 UD			40 UD
VOCs	Acetone	NS	50	ug/L	**40 JD**	250 U	**12** JD			2000 UD
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**3200 D**	**580**	**89 D**			**2800**
VOCs	Cyclohexane	NS	NS	ug/L						
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	10 UD	10 UD	2 UD			40 UD
VOCs	Tetrachloroethene	5	NS	ug/L	**14**	**3.5**	2 UD			**19**
VOCs	Trichloroethene	5	NS	ug/L	**11 D**	5 U	2 UD			**14**
VOCs	Vinyl chloride	2	NS	ug/L	20 UD	10 U	**24** D			80 UD
WC	Bromide	NS	2,000	mg/L	**730**	**163**	**8.1 D**	**437**	**720 D**	**730**
WC	Fluoride	1,500	NS	mg/L	**1.3**	**0.93**	**0.14**	0.25 U	**1.7**	**1.3**

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Table 2.4: Groundwater Rebound Evaluation VOC Analytical Results

				Location	RW-2D		RW-2D		RW-2D		RW-2D		RW-2D		RW-2D	
				Depth (ft)	75		75		75		75		80		80	
				Sample ID	360023-RW002D075		360023-RW002D075		360023-RW002D075		360023-RW002D075P*		360023-RW002D080		360023-RW002D080	
				Sample Date	06/02/22		09/01/22		12/01/22		12/01/22		03/02/22		06/02/22	
				Qc Code	FS		FS		FS		FS		FS		FS	
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals	Sodium	20,000	NS	mg/L	**210**		**29**		**38**				**380**		**200**	
VOCs	1,1-Dichloroethane	5	NS	ug/L	5	U	2	UD	10	U	2	U	40	UD	5	U
VOCs	Acetone	NS	50	ug/L	250	U	**11**	JD	**24**		100	U	2000	UD	250	U
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**560**		**140**	**D**	**1100**		**92**		**2800**		**560**	
VOCs	Cyclohexane	NS	NS	ug/L												
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	5	UD	2	UD	10	U	**0.58**		40	UD	5	U
VOCs	Tetrachloroethene	5	NS	ug/L	5	U	2	UD	10	U	2	U	**16**		5	U
VOCs	Trichloroethene	5	NS	ug/L	5	U	2	UD	10	U	2	U	**12**		5	U
VOCs	Vinyl chloride	2	NS	ug/L	10	U	**28**	D	**31**	D	**23**		80	UD	10	U
WC	Bromide	NS	2,000	mg/L	**175**		**9**	**D**	**30**				**1100**		**187**	
WC	Fluoride	1,500	NS	mg/L	**0.95**		**0.14**		**0.17**				**2.1**		**1.2**	

				Location	RW-2D		
				Depth (ft)	80		
				Sample ID	360023-RW002D080		
				Sample Date	09/01/22		
				Qc Code	FS		
Class	**Parameter**	**GA**	**GV**	**Units**	**Result**	**Qualifier**	
Metals	Sodium	20,000	NS	mg/L	**30**		
VOCs	1,1-Dichloroethane	5	NS	ug/L	2	UD	
VOCs	Acetone	NS	50	ug/L	**16**	JD	
VOCs	cis-1,2-Dichloroethene	5	NS	ug/L	**100**	**D**	
VOCs	Cyclohexane	NS	NS	ug/L			
VOCs	Methyl Tertbutyl Ether	NS	10	ug/L	2	UD	
VOCs	Tetrachloroethene	5	NS	ug/L	2	UD	
VOCs	Trichloroethene	5	NS	ug/L	2	UD	
VOCs	Vinyl chloride	2	NS	ug/L	**28**	**D**	
WC	Bromide	NS	2,000	mg/L	**8.7**	**D**	
WC	Fluoride	1,500	NS	mg/L	**0.14**		

Notes:
GA = New York State Class GA Groundwater Standards
GV = New York State Guidance Values
ug/L = micrograms per liter or parts per billion
mg/L = miligrams per liter
Bold = analyte detected
Shaded = analyte exceeds standard
NS = not specified
Qualifier: U = not detected; J = estimated; D = diluted
QC Code: FS = field sample; FD = field duplicate
*sample collected via purging with peristaltic pump

Created/Date: ML 01/14/23
Checked/Date: ANC 01/15/23

APPENDICES

APPENDIX A
ENGINEERING CONTROLS
STANDBY CONSULTANT/CONTRACTOR CERTIFICATION FORM

Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form

Site Details **Box 1**

Site No. 360023

Site Name Baldwin Place Shopping Center (now Somers Commons)

Site Address: 80 Route 6 Zip Code: 10505
City/Town: Baldwin Place
County: Westchester
Site Acreage: 28.0

Reporting Period: January 31, 2022 to January 31, 2023

January 1, 2022 to December 31, 2022 ANC

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

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. To your knowledge is the site currently undergoing development?	☐	X

Box 2

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

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____
Signature of Standby Consultant/Contractor Date

SITE NO. 360023 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
4.20-1-11	UB SOMERS INC. (c/o Urstadt Biddle Prope	
		Monitoring Plan
		Site Management Plan
		O&M Plan

A Long Term Monitoring and Operation and Maintenance Plan is in place.

4.20-1-11.6	UB Somer, Inc. c/o Urstadt Biddle Prop	
		IC/EC Plan
		Ground Water Use Restriction
		Site Management Plan
		O&M Plan
		Soil Management Plan
		Landuse Restriction
		Monitoring Plan

A deed restriction is in place for Unit #6 that requires adherence to the Site Management Plan, including allowing access by the Department, and includes a prohibition for use of the property for residential purposes, use of the groundwater without proper treatment and a provision to provide a periodic certification that states compliance with the institutional controls.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
4.20-1-11	
	Groundwater Treatment System

One groundwater pump and treat system (Plant 1)is currently in operation in the former source area to addre ss residual contamination/shallow plume containment. A monitoring well system is in place to perform long-term groundwater monitoring. Vapor monitoring is required in Unit 6 (Home Goods store).

4.20-1-11.6	
	Groundwater Treatment System

Groundwater extraction system
Groundwater monitoring well 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 certification, including data and material prepared by previous contractors for the current certifying period, if any;

   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
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

   (c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____

Signature of Standby Consultant/Contractor Date

Box 6

IC/EC CERTIFICATIONS

Qualified Environmental Professional Signature

I certify that all information in Boxes 2 through 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, Mark J. Stelmack, P.E. at MACTEC Engineering and Geology, P.C.

511 Congress Street, Suite 200, Portland, ME 04101,

Am certifying as a Qualified Environmental Professional.

January 31, 2023

APPENDIX B

INSTITUTIONAL AND ENGINEERING CONTROLS

PROPERTY OWNER SURVEY

4.20-1-11.6

Enclosure 1
Institutional and Engineering Controls - Property Owner Survey

Site Details **Box 1**

Site No. 360023

Site Name Baldwin Place Shopping Center (now Somers Commons)

Site Address: 80 Route 6 Zip Code: 10505
City/Town: Baldwin Place
County: Westchester
Site Acreage: 28.0

Reporting Period: January 31, 2022 to January 31, 2023

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2, 3 or 4, include documentation with this form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all Institutional Controls (ICs) in place and functioning as designed?	X	☐

Signature of Property Owner

12/20/22
Date

4.20-1-11.6

SITE NO. 360023 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
4.20-1-11.6	UB Somer, Inc. c/o Urstadt Biddle Prop	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

A deed restriction is in place for Unit #6 that requires adherence to the Site Management Plan, including allowing access by the Department, and includes a prohibition for use of the property for residential purposes, use of the groundwater without proper treatment and a provision to provide a periodic certification that states compliance with the institutional controls.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
4.20-1-11.6	Groundwater Treatment System

Groundwater extraction system
Groundwater monitoring well system

4.20-1-11.6

Box 5

Periodic Review Report (PRR) Survey Statements

For each Institutional or Engineering control listed in Boxes 3 and/or 4, by checking "YES" below I believe all of the following statements to be true:

(a) the Institutional Control(s) and/or Engineering Control(s) employed at this site remain 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; and

(d) if a Site Management Plan (SMP) exists, nothing has occurred that would constitute a violation or failure to comply with the SMP for this Control.

YES X NO

Signature of Property Owner

12-20-22

Date

4.20-1-11

Enclosure 1
Institutional and Engineering Controls - Property Owner Survey

Site Details **Box 1**

Site No. 360023

Site Name Baldwin Place Shopping Center (now Somers Commons)

Site Address: 80 Route 6 Zip Code: 10505
City/Town: Baldwin Place
County: Westchester
Site Acreage: 28.0

Reporting Period: January 31, 2022 to January 31, 2023

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2, 3 or 4, include documentation with this form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all Institutional Controls (ICs) in place and functioning as designed?	X	☐

Signature of Property Owner

12/20/22
Date

4.20-1-11

SITE NO. 360023 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
4.20-1-11	UB SOMERS INC. (c/o Urstadt Biddle Properties Inc.	
		Site Management Plan
		Monitoring Plan
		O&M Plan

A Long Term Monitoring and Operation and Maintenance Plan is in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
4.20-1-11	Groundwater Treatment System

One groundwater pump and treat system (Plant 1)is currently in operation in the former source area to addre residual contamination/shallow plume containment. A monitoring well system is in place to perform long-term groundwater monitoring. Vapor monitoring is required in Unit 6 (Home Goods store).

Box 5

Periodic Review Report (PRR) Survey Statements

For each Institutional or Engineering control listed in Boxes 3 and/or 4, by checking "YES" below I believe all of the following statements to be true:

(a) the Institutional Control(s) and/or Engineering Control(s) employed at this site remain 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; and

(d) if a Site Management Plan (SMP) exists, nothing has occurred that would constitute a violation or failure to comply with the SMP for this Control.

YES ☒ X NO ☐

Signature of Property Owner

12/20/22
Date

APPENDIX C
FIELD DATA RECORDS

APPENDIX C-1
QUARTERLY REBOUND EVALUATION FIELD DATA RECORDS

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-5S	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		8:20	8:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW005S	8:30/8:35	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
8:40	6.87									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7S	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		16:00	16:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0007D	16:15-16:40	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
16:45	11.05									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
63' - 16:15, 68' - 16:20, 73' - 16:25, 78' - 16:30, 83' - 16:35, 88' - 16:40
QAQC collected from 78' interval (VOC only)

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7S	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		15:15	15:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0007S	15:20-15:30	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
15:35	9.93									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
12' - 15:20, 17' - 15:25, 22' - 15:30

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12M	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:25	10:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012M	10:30/10:35	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:40	9.53									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		11:05	11:25
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012S	11:15/11:20	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
11:25	10.96									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S1	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:00	10:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012S1	10:05/10:10	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:15	6.02									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____

NOTES:

Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-101M	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		9:20	9:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0101M	9:25/9:30	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:35	8.57									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		13:35	14:20
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S	13:40-14:15	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
14:20	6.65									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
10' - 13:40, 15' - 13:45, 20' - 13:50, 25' - 13:55, 30' - 14:00, 35' - 14:05, 40' - 14:10, 45' - 14:15

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	3/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:05	12:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW002D	12:10-12:35	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:40	10.48									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
55' - 12:10, 60' - 12:15, 65' - 12:20, 70' - 12:25, 75' - 12:30, 80' - 12:35

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		943	1006
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S	0943/0948	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
940	10.75									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]

NUMBER OF GALLONS GENERATED _____

NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-5S	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		7:30	7:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW005S	7:35/7:41	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
7:50	7.05									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7D	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		14:36	15:24
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0007D	14:45-15:19	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
15:22	10.75									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
63' - 14:45, 68' - 14:51, 73' - 14:56, 78' - 15:07, 83' - 15:13, 88' - 15:19
QAQC collected from 78' interval (VOC only)

DEVIATIONS FROM THE WORK PLAN:

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7S	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		14:00	14:36
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0007S	14:00-14:22	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
14:30	9.6									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
12' - 14:00, 17' - 14:02, 22' - 14:22

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		9:43	10:06
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012S	9:43/9:48	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:40	10.75									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S1	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		8:38	9:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012S1	8:42/8:48	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:10	6.25									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-101M	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		8:10	8:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0101M	8:11/8:17	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
8:35	8.8									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]

NUMBER OF GALLONS GENERATED _____

NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:06	12:07
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S	10:17-10:56	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:06	7.4									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
10' - 10:17, 15' - 10:22, 20' - 10:28, 25' - 10:30, 30' - 10:36, 35' - 10:43, 40' - 10:50, 45' - 10:56

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	6/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:07	13:18
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW002D	12:13-12:39	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:07	10.95									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
55' - 12:13, 60' - 12:18, 65' - 12:24, 70' - 12:30, 75' - 12:34, 80' - 12:39

Sampler Signature: **Joshua Minardi** Print Name: Joshua Minardi

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:30	10:52
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012S	10:35/10:38	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:50	14.55									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]

NUMBER OF GALLONS GENERATED _____

NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-5S	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		8:49	9:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW005S	8:53/8:57	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:00	10.5									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7D	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		14:11	15:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0007D	14:14-14:49	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
14:55	14.5									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
63' - 14:14, 68' - 14:18, 73' - 14:26, 78' - 14:30, 83' - 14:44, 88' - 14:49
QAQC collected from 78' interval (VOC only)

DEVIATIONS FROM THE WORK PLAN:

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7S	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		13:40	14:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0007S	13:41-13:53	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
14:00	12.08									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12M	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:05	10:27
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012M	10:11/10:13	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:20	12.72									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S1	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		9:45	10:00
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012S1	9:47/9:49	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:57	9.72									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-101M	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		9:20	9:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0101M	9:22/9:27	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:29	11.85									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
Grab Sample - No parameters

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		11:22	12:39
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S	11:24-12:01	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:07	8.51									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
10' - 11:24, 15' - 11:28, 20' - 1134, 25' - 11:39, 30' - 11:45, 35' - 11:48, 40'- 11:54, 45'- 12:01

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	9/2/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:40	13:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW002D	12:43-13:10	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
13:15	10.5									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER PDB

DECON FLUIDS USED
- [x] ALCONOX
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [x] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3	250ml	
X	Bromide & Flouride	USEPA ICP 300.0		N	None	250ml	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Grab Sample - No parameters
55' - 12:43, 60' - 12:48, 65' - 12:55, 70' - 12:58, 75' - 13:06, 80' - 13:10

Sampler Signature: **Michael Ladny** Print Name: Michael Ladny

Checked By: JJM Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-5S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		9:30	9:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW005S015	9:33	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:08	7.90									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7D	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		13:00	13:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW007D083	13:01	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
13:01	14.35									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	Y
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:
QAQC for VOCs only

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7M1	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:35	12:45
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW007M1030	12:39	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:39	12.8									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7M2	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:48	12:52
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW007M2040	12:50	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:50	13.6									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-7S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:20	12:28
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW007S017	12:26	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:26	12.71									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME	
NYSDEC Baldwin Place	
PROJECT NUMBER	
3616206104.06.****	
SAMPLE ID	**SAMPLE TIME**
360023-MW12M042	10:26

LOCATION ID	DATE
MW-12M	12/1/2022
START TIME	**END TIME**
10:24	10:28
SITE NAME/INSTALLATION	**PAGE**
Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:26	10.5									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [X] HYDROSLEEVE
- [ ] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER PDB
- [X] OTHER Hydrosleeve

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:51	11:05
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012S033,038	10:52/11:00	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
11:00	12.5									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-12SI	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:19	10:22
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW0012SI15	10:20	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:20	7.3									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]

NUMBER OF GALLONS GENERATED _____

NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		MW-101M	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		9:59	10:04
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-MW101M041	10:00	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:00	10.45									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		8:00	8:20
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S015,025,035,045	see comments	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
8:22	9.31									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
015:0801
025:0806
035:0814
045:0822

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		8:55	9:08
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW002D055,065,075	see comments	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:08	12:30									

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] HYDRASLEEVE
- [X] OTHER Passive Diffusion Bag

DECON FLUIDS USED
- [X] ALCONOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [X] OTHER PDB
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [ ] WQ METER
- [ ] TURB. METER
- [ ] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x3 40mL VOA	
X	Sodium	USEPA ICP 6010		N	HNO3		
X	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [ ]
NUMBER OF GALLONS GENERATED _____
NO-PURGE METHOD UTILIZED — YES [ ] NO [ ]

NOTES:
055:0858
065:0904
075:0908

Sampler Signature: *JOSHUA MINARDI* Print Name: JJM

Checked By: Michael Ladny Date: 1/5/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		11:00	11:40
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S015P	11:40	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
11:05	11.63	300	7.99	0.806	3.38	7.15	106.6	8.29	15	
11:10	11.74	300	10.12	0.676	3.87	7.21	128.5	9.46	15	
11:15	11.86	300	9.89	0.668	4.13	7.21	149.9	11.0	15	
11:20	11.94	300	10.17	0.669	4.37	7.21	166.6	12.7	15	
11:25	12.04	300	10.67	0.669	4.50	7.19	181.0	13.1	15	
11:30	12.14	300	10.37	0.674	4.70	7.21	191.9	14.6	15	
11:35	12.25	300	10.35	0.675	4.84	7.20	201.5	11.8	15	

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

	10	**0.675**	**4.8**	**7.2**	**202**	**12**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] HYDRASLEEVE _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] ALCONOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER PDB
- [ ] OTHER _____
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [ ] WQ METER _____
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
	Sodium	USEPA ICP 6010		N	HNO3		
	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Meril Benny Print Name: Meril Benny

Checked By: Michael Ladny Date: 1/3/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		10:06	10:55
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S025P	10:55	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
10:20	11.84	210	9.03	0.893	2.15	7.1	109.7	9.00	25	
10:25	11.85	210	9.48	0.878	2.08	7.15	109.3	6.07	25	
10:30	11.85	210	8.85	0.877	2.18	7.16	112.1	5.44	25	
10:35	11.76	150	7.57	0.881	2.16	7.2	110.9	4.16	25	
10:40	11.76	150	7.65	0.868	2.23	7.11	115.8	4.07	25	
10:45	11.75	150	8.13	0.872	2.17	7.18	108.7	4.25	25	
10:50	11.7	200	7.37	0.865	1.87	7.14	108.6	7.78	25	

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

	7	**0.865**	**1.9**	7.1	**109**	**7.8**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] HYDRASLEEVE _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] ALCONOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER PDB
- [ ] OTHER _____
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [ ] WQ METER _____
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
	Sodium	USEPA ICP 6010		N	HNO3		
	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Meril Benny Print Name: Meril Benny

Checked By: Michael Ladny Date: 1/3/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		9:30	10:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S035P	10:05	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
9:30	11.02	400	12.25	0.951	1.97	7.15	45.8	11.50	35	
9:35	11.22	400	12.41	0.927	2.1	7.19	57	8.16	35	
9:40	11.45	400	12.39	0.918	2.12	7.20	77.8	8.92	35	
9:45	11.65	400	12.73	0.911	2.12	7.21	90.9	5.96	35	
9:50	11.85	400	12.40	0.912	2.10	7.21	99.4	9.03	35	
9:55	12.00	400	12.22	0.909	2.10	7.19	103.6	7.04	35	
10:00	12.12	400	11.75	0.91	2.11	7.20	103.1	7.66	35	
FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)										
		12	**0.91**		**2.0**	7.3	**103**	**7.7**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] ALCONOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER _____
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] HDPE TUBING	[ ] PVC PUMP MATERIAL	[ ] PID _____
[ ] BLADDER _____	[ ] POTABLE WATER	[ ] LDPE TUBING	[ ] GEOPROBE SCREEN	[ ] WQ METER _____
[ ] WATTERA	[ ] NITRIC ACID	[ ] OTHER PDB	[ ] OTHER _____	[ ] TURB. METER _____
[ ] HYDRASLEEVE	[ ] HEXANE	[ ] OTHER _____	[ ] OTHER _____	[ ] PUMP _____
[ ] OTHER _____	[ ] METHANOL		[ ] OTHER _____	[ ] OTHER _____
	[ ] OTHER _____			[ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
[X]	VOC	8260	Full List	N	HCL	x2 40mL VOA	
[ ]	Sodium	USEPA ICP 6010		N	HNO3		
[ ]	Bromide & Flouride	USEPA ICP 300.0		N	None		
[ ]							
[ ]							
[ ]							
[ ]							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[X]	[ ]
NO-PURGE METHOD UTILIZED	[ ]	[ ]

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Meril Benny Print Name: Meril Benny

Checked By: Michael Ladny Date: 1/3/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-1S	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		8:30	9:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW001S045P	9:25	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
8:50	9.23	400	12.84	0.984	4.52	7.31	104.2	8.29	45	
8:55	9.20	400	12.86	0.986	3.02	7.30	81.7	9.46	45	
9:00	9.91	400	13.19	0.986	2.30	7.30	65.4	11.0	45	
9:05	10.31	370	13.21	0.986	2.02	7.29	67.5	12.7	45	
9:10	10.50	370	13.11	0.985	1.95	7.29	56.6	13.1	45	
9:15	10.70	370	13.13	0.984	1.89	7.29	46.5	14.6	45	
9:20	10.92	370	13.09	0.985	1.86	7.30	40.4	11.8	45	

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

	13	**0.985**	**1.9**	7.3	**40**	**12**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] HYDRASLEEVE _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] ALCONOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER PDB
- [ ] OTHER _____
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [ ] WQ METER _____
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
	Sodium	USEPA ICP 6010		N	HNO3		
	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Meril Benny Print Name: Meril Benny

Checked By: Michael Ladny Date: 1/3/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		13:30	14:10
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW002D55P	14:10	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
13:35	14.41	320	10.82	0.931	0.39	8.27	-191.0	13.7	55	
13:40	14.55	320	11.20	0.836	0.31	8.34	-202.5	16.2	55	
13:45	14.61	320	11.11	0.834	0.29	8.38	-257.3	17.1	55	
13:50	14.70	320	11.00	0.834	0.28	8.36	-200.2	20.4	55	
13:55	14.80	320	11.20	0.837	0.27	8.38	-207.3	19.7	55	
14:00	14.90	320	11.25	0.839	0.27	8.38	-196.3	17.7	55	
14:05	14.92	320	11.14	0.845	0.26	8.37	-249.6	19.5	55	

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

	11	**0.845**	**0.26**	**8.4**	**-250**	**20**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] HYDRASLEEVE _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] ALCONOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER PDB
- [ ] OTHER _____
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [ ] WQ METER _____
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
	Sodium	USEPA ICP 6010		N	HNO3		
	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Meril Benny Print Name: Meril Benny

Checked By: Michael Ladny Date: 1/3/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:55	13:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW002D065P	13:30	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:55	13.5	260	11.28	1.115	0.73	8.02	-174.9	19.9	65	
13:00	13.68	260	12.12	1.112	0.49	8.19	-134.0	18.2	65	
13:05	13.81	260	12.19	1.113	0.44	8.20	-131.0	22.9	65	
13:10	13.95	260	12.12	1.114	0.41	8.21	-145.0	20.6	65	
13:15	14.04	260	12.23	1.115	0.42	8.21	-159.2	21.2	65	
13:20	14.20	260	12.00	1.113	0.39	8.21	-172.7	21.3	65	
13:25	14.3	260	12.10	1.109	0.37	8.22	-189.6	19.9	65	

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

	12	**1.10**	**0.37**	**8.2**	**-190**	**20**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] HYDRASLEEVE _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] ALCONOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER PDB
- [ ] OTHER _____
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [ ] WQ METER _____
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
	Sodium	USEPA ICP 6010		N	HNO3		
	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Meril Benny Print Name: Meril Benny

Checked By: Michael Ladny Date: 1/3/2023

DEVIATIONS FROM THE WORK PLAN:

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
NYSDEC Baldwin Place		RW-2D	12/1/2022
PROJECT NUMBER		**START TIME**	**END TIME**
3616206104.06.****		12:00	12:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/INSTALLATION**	**PAGE**
360023-RW002D075P	12:40	Baldwin Place	1 OF 1

SAMPLE TYPE: [X] GROUNDWATER [ ] SURFACE WATER [ ] STORM WATER [ ] DRINKING WATER [ ] PORE WATER [ ] OTHER: _____

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% and <10 ntu or 3 values <5 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
12:05	12.50	350	13.32	1.115	0.50	7.99	-117.8	13.6	75	
12:10	12.56	350	13.42	1.136	0.47	7.99	-133.5	15.6	75	
12:15	12.8	350	13.40	1.139	0.46	8.01	-157.8	14.0	75	
12:20	12.97	350	13.40	1.139	0.55	8.02	-166.9	15.7	75	
12:25	13.24	350	13.51	1.139	0.64	8.03	-140.3	14.7	75	
12:30	13.43	350	13.5	1.139	0.56	8.05	-138.4	16.0	75	
12:35	13.62	350	13.53	1.140	0.54	8.05	-134.8	15.5	75	

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)

	14	**1.14**	**0.54**	**8**	**-135**	**12**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 significant figure (SF) max (ex. 1.686 = 1.69)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] HYDRASLEEVE _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] ALCONOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER PDB
- [ ] OTHER _____
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [ ] PID _____
- [ ] WQ METER _____
- [ ] TURB. METER _____
- [ ] PUMP _____
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
X	VOC	8260	Full List	N	HCL	x2 40mL VOA	
	Sodium	USEPA ICP 6010		N	HNO3		
	Bromide & Flouride	USEPA ICP 300.0		N	None		

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Meril Benny Print Name: Meril Benny

Checked By: Michael Ladny Date: 1/3/2023

DEVIATIONS FROM THE WORK PLAN:

APPENDIX C-2

TREATMENT SYSTEM INSPECTION FORM- SEPTEMBER 2022

New York Department of Environmental Conservation
Inactive Hazardous Waste Site
Inspection Form-Treatment Systems

Site Name: *Baldwin Place*		**NYSDEC Site Number:** *360023*	**NYSDEC PM:** Robert Strang
Site Location: *80 US 6, Baldwin Place, NY*		**Site Classification # :** 4	**Primary Site Contact:** *Robert Strang*
Site Inspection Date: September 1st, 2022	**Purpose of Inspection:** *15-month Inspection*		
Name of Inspector: J. Minardi	**Title:** Env. Tech. II	**Agency/Company:** MACTEC	**Address:** *511 Congress Street, Suite 200 Portland, ME 04101*
Phone Number: 413-374-3583			

Treatment Systems

System Status				
System in operation during visit?	*Yes*	*No*		
Manned on a fulltime basis?	*No*			
Pump on?	*Yes*	*No*		
Condition of Operational Controls				
Condition of gauges?	*Good*	*Poor*	*NE*	
Condition of flow meters	*Good*	*Poor*	*NE*	
Condition of effluent pipe?	*Good*	*Poor*	*NE*	
Condition of flow pipes and hoses?	*Good*	*Poor*	*NE*	
Pipes labeled with direction of flow and contents?	*No*		*NE*	
Condition of valves?	*Good*	*Poor*	*NE*	
Evidence of leaking?	*Yes*	*No*	*NE*	
Condition of sump pump?	*Good*	*Poor*	*NE*	
Lighting in Work Areas Adequate?	*Yes*	*No*	*NE*	
Collection Vault				
RW-1 & RW-2 Vault condition - ground surface	*Good*	*Poor*	*NE*	

General Observations: Historical staining from previous leak observed during inspection. Sump pump in working condition, but MACTEC Personnel recommend replacement in future due to age related deteriorating.

Site Features

Site Security and Fence			
Condition of the access gates and locks?	*Good*	*Poor*	*NE*
Condition of building?	*Good*	*Poor*	*NE*
Condition of the perimeter fence	*Good*	*Poor*	*NE*
Is vegetation infringing on the fence?	*Yes*	*No*	*NE*
Was a monitoring well inspection completed?	*Yes - see attached*		*No*

NE- not evaluated, provide explanation

General Observations:

Fence continues to show signs of tree/mower damage. Needs mowing inside.

Additional Observation Notes:

New York Department of Environmental Conservation
Inactive Hazardous Waste Site
Inspection Form-Treatment Systems

Previously observed: Review and comment as to status (include photo documentation)

Slight vegetation buildup in effluent pipe. Has been cleared since.

Tree related damage to fence.

Photograph Log: See Attached

Performance Monitoring

Were check samples collected during this visit? No

Sample type collected *(circle or write in other)* : N/A

List Parameters/Methods Collected Per Media:

Analytical Laboratory/Location:

Sample Observations:

Water Level Monitoring Field Data Record

Site Name/Location: Baldwin Place, 80 US 6, Baldwin Place, NY

Inspection Date/Initials: 9/1/22 JM/ML

Reviewed By/Date: ANC 1/15/23

Location ID	Measuring Point Elevation (ft. above msl)	Measurement Reference Point Marked (Y/N)	Protective Casing Stickup (ft.)	TOC-TOR Difference (ft.)	Depth to Water (ft.)	Depth to BOW (ft.)	Well ID Clearly Labeled (Y/N)	Guard Posts (G/F/P)	Well Lock/Cap (G/F/P)	Protective Casing (G/F/P)	Water in Annular Space (Y/N)	Concrete Pad (G/F/P)	Well Riser/Cap (G/F/P)	Well Obstruction (Y/N)	Comments
RW-1S[1]	602.03	NM	NM	NM	9.31	NA	NA	NA	NA	G	N	NA	NA	N	From top of vault
RW-2D[1]	602.02	NM	NM	NM	12.30	NA	NA	NA	NA	G	N	NA	NA	N	From top of vault
MW-2S	604.05	Y	2.78	0.35	3.02	16.62	Y	NA	G	G	N	G	G	N	
MW-2D	603.41	N	2.2	0.6	9.76	61.30	Y	NA	G	G	N	G	G	N	
MW-3D	604.23	N	NA	0.28	11.83	87.22	N	NA	F	G	N	G	F	N	
MW-3DD	604.21	N	NA	0.55	12.93	200.15	N	NA	F	G	N	G	G	N	
MW-4S	611.64	N	0.95	2.23*	5.35	24.42	N	NA	G	G	N	NA	G	N	
MW-4D	611.84	N	2.35	NA	9.85	91.70	N	NA	G	G	N	NA	P	N	
MW-5S	605.47	N	2.2	0.14	7.90	24.00	Y	NA	G	G	N	NA	G	N	
MW-7S	602.23	N	NA	0.34	12.71	25.95	N	NA	G	G	N	G	G	N	Needs new bolts
MW-7M1	602.17	Y	NA	0.39	12.80	35.25	Y	NA	G	G	N	G	G	N	
MW-7M2	602.26	Y	NA	0.28	13.60	44.28	Y	NA	G	G	N	G	G	N	
MW-7D	602.31	N	NA	0.62	14.35	92.20	N	NA	G	G	N	G	G	N	bolt holes oblong, need new road box
MW-8S	618.02	N	NA	0.01	5.64	22.00	N	NA	G	F	N	NA	F	N	Needs new bolts
MW-9S	595.99	N	NA	0.75	6.76	28.36	N	NA	G	G	N	NA	G	N	
MW-9D	595.68	N	NA	0.66	6.85	89.91	N	NA	G	G	N	F	G	N	one broken ear, road box still flush
MW-10D	600.22	N	NA	0.80	11.42	89.45	N	NA	G	G	N	G	G	N	annular space filled with soil
MW-12S	606.35	N	3.04	NM	12.50	44.19	Y	NA	G	G	N	NA	G	N	DTW from TOR:15.80, well kinked
MW-12S1	604.01	Y	NA	0.42	7.30	20.50	Y	NA	G	G	N	G	G	N	
MW-12M	603.94	Y	NA	0.05	10.50	46.44	Y	NA	G	G	N	G	G	N	
MW-101M	603.43	N	NA	8.84*	10.45	47.40	Y	NA	G	G	N	G	G	N	soft bottom
MW-101D	603.77	N	NA	0.06	24.98	55.77	Y	NA	G	G	N	G	G	N	soft bottom

Notes:

MW= Monitoring Well
msl = mean sea level
ft. = feet
TOC = top of casing
TOR = top of riser
F = Fair
G = Good
N = No
P = Poor
Y = yes
Poor or notable observations require input into "Comments"
in. = inches
BOW = bottom of well

1 = Both RW-1S and RW-2D have transducers installed within, and transducer depths below top of casing are **42.7 ft** for RW-1S and **56 ft** for RW-2D. Water levels in these wells are monitored with the submerged transducer and the depth of water above the transducer is displayed in the treatment building. Due to possibility of faulted transducer readings, no water elevation data is presented from these wells.

APPENDIX C-3

SITE INSPECTION PHOTO LOG

SEPTEMBER 2022

Attachment 1 –Photographic Log

Client:	NYSDEC	***Project Number:***	3616206104
Site Name:	Baldwin Place	***Site Location:***	Somers, NY

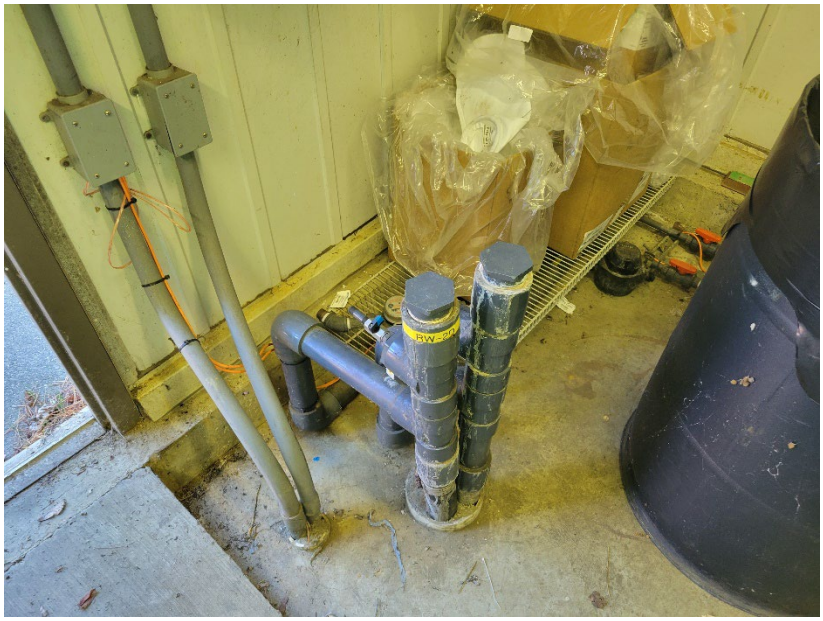
Photographer:
Joshua Minardi

Date:
9/1/2022

Photograph: 1

Direction:
n/a

Description:
Influent sampling ports.



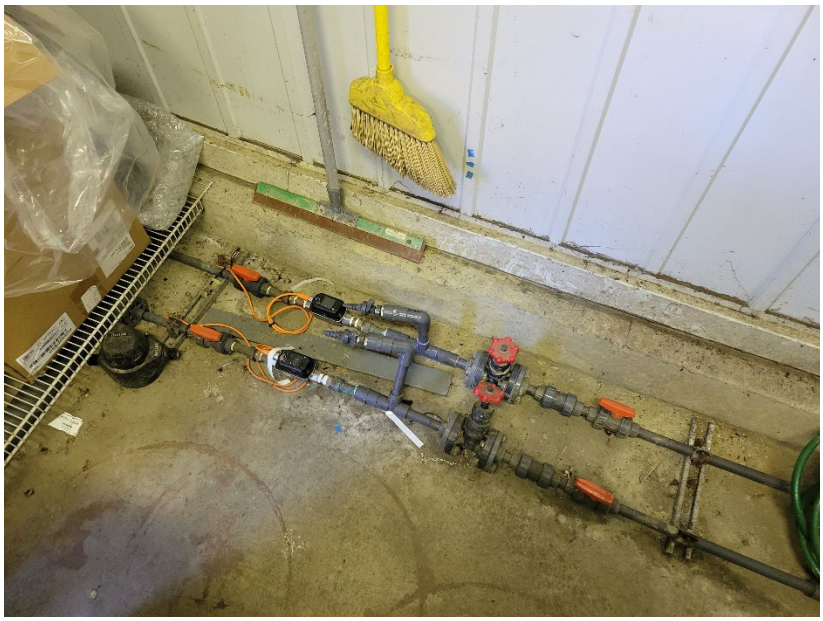
Photographer:
Joshua Minardi

Date:
9/1/2022

Photograph: 2

Direction:
n/a

Description:
Influent valves/piping.



Attachment 1 –Photographic Log

Client:	NYSDEC	***Project Number:***	3616206104
Site Name:	Baldwin Place	***Site Location:***	Somers, NY

Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 3 ***Direction:*** n/a ***Description:*** Sump pump.	
Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 4 ***Direction:*** n/a ***Description:*** Bag filter number 1 and valves/piping.	

Attachment 1 –Photographic Log

Client:	NYSDEC	***Project Number:***	3616206104
Site Name:	Baldwin Place	***Site Location:***	Somers, NY

Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 5 ***Direction:*** n/a ***Description:*** Bag filter number 1 and piping.	
Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 6 ***Direction:*** n/a ***Description:*** Effluent valve and piping.	

Attachment 1 –Photographic Log

Client:	NYSDEC	***Project Number:***	3616206104
Site Name:	Baldwin Place	***Site Location:***	Somers, NY

Photographer: Joshua Minardi

Date: 9/1/2022

Photograph: 7

Direction: n/a

Description: Bag filter number 2.

Photographer: Joshua Minardi

Date: 9/1/2022

Photograph: 8

Direction: n/a

Description: GAC unit overview.

Attachment 1 –Photographic Log

Client:	NYSDEC	***Project Number:***	3616206104
Site Name:	Baldwin Place	***Site Location:***	Somers, NY

Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 9 ***Direction:*** n/a ***Description:*** Mid GAC unit sampling port.	
Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 10 ***Direction:*** n/a ***Description:*** Discharge pipe and ditch.	

Attachment 1 –Photographic Log

Client:	NYSDEC	***Project Number:***	3616206104
Site Name:	Baldwin Place	***Site Location:***	Somers, NY

Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 11 ***Direction:*** n/a ***Description:*** Dent in front fence	
Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 12 ***Direction:*** n/a ***Description:*** Gap in front fence on right corner.	

Attachment 1 –Photographic Log

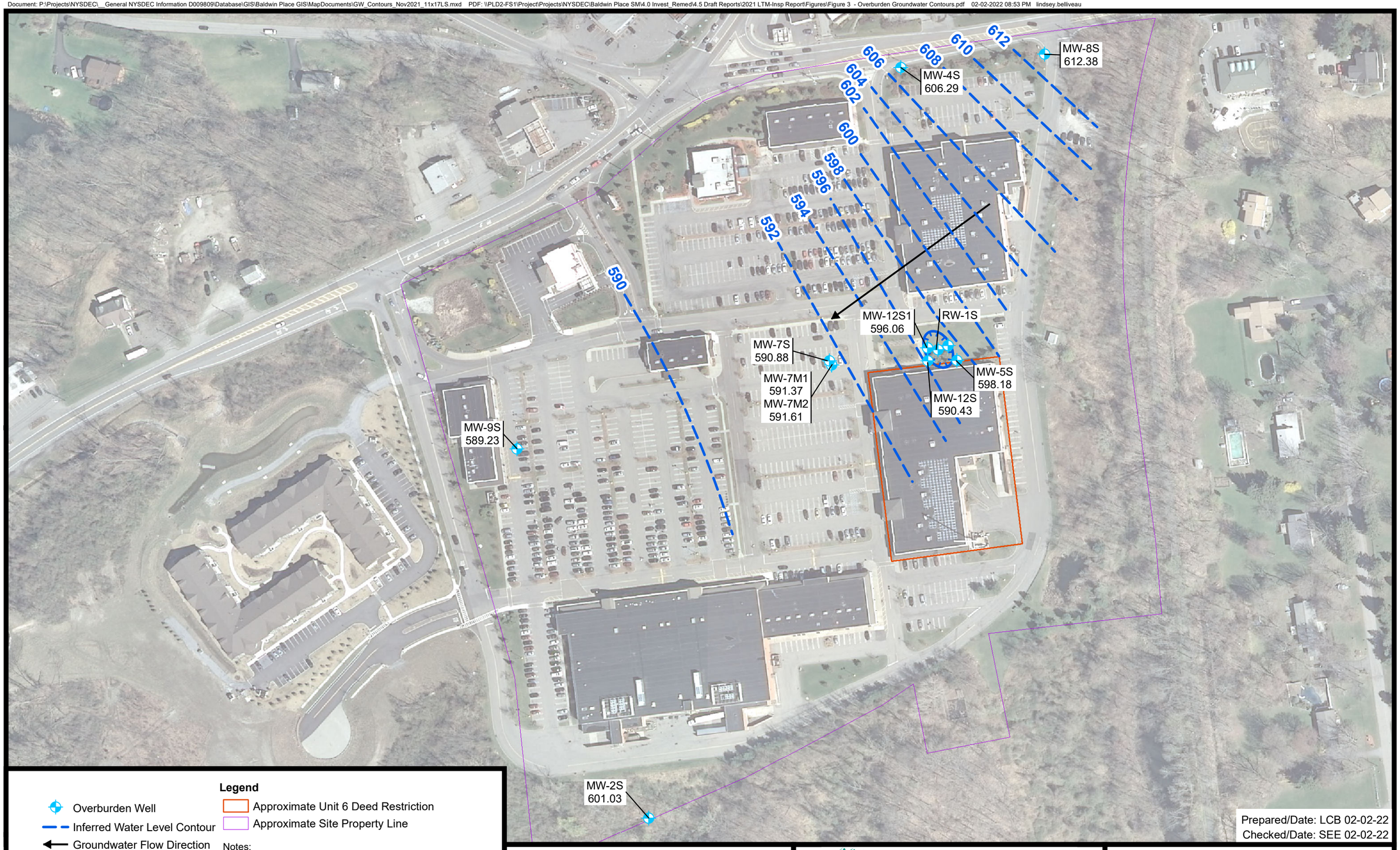
Client:	NYSDEC	***Project Number:***	3616206104
Site Name:	Baldwin Place	***Site Location:***	Somers, NY

Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 13 ***Direction:*** n/a ***Description:*** Dent in rear fence from tree encroachment	
Photographer: Joshua Minardi ***Date:*** 9/1/2022 ***Photograph:*** 14 ***Direction:*** n/a ***Description:*** GAC to effluent piping	

APPENDIX D
FIGURES AND TABLES FROM 2021 LTM

APPENDIX D-1

LTM FIGURES– NOVEMBER 2021



Legend

- Overburden Well
- Inferred Water Level Contour
- Groundwater Flow Direction
- Approximate Unit 6 Deed Restriction
- Approximate Site Property Line

Notes:
1. 2' Water Level Contour Interval
2. Putnam County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: gis.ny.gov

N

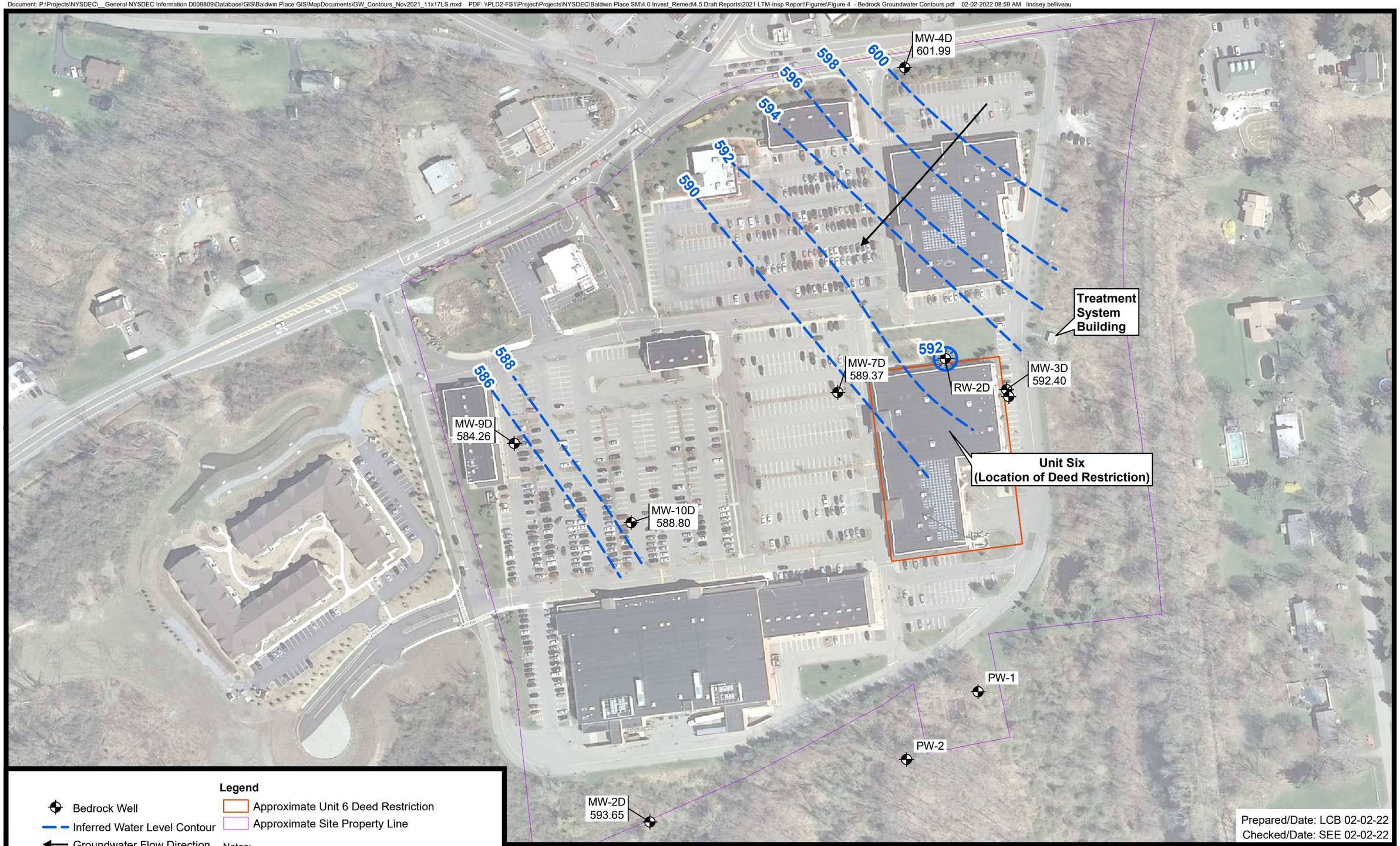
0 75 150 Feet

Prepared/Date: LCB 02-02-22
Checked/Date: SEE 02-02-22

BALDWIN PLACE
SOMERS, NEW YORK

MACTEC

Shallow Groundwater Contours
November 2021
Project 3616206104 Figure 1.3



Legend

- Bedrock Well
- Inferred Water Level Contour
- Groundwater Flow Direction
- Approximate Unit 6 Deed Restriction
- Approximate Site Property Line

Notes:
1. 2' Water Level Contour Interval
2. Putnam County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: gis.ny.gov

N

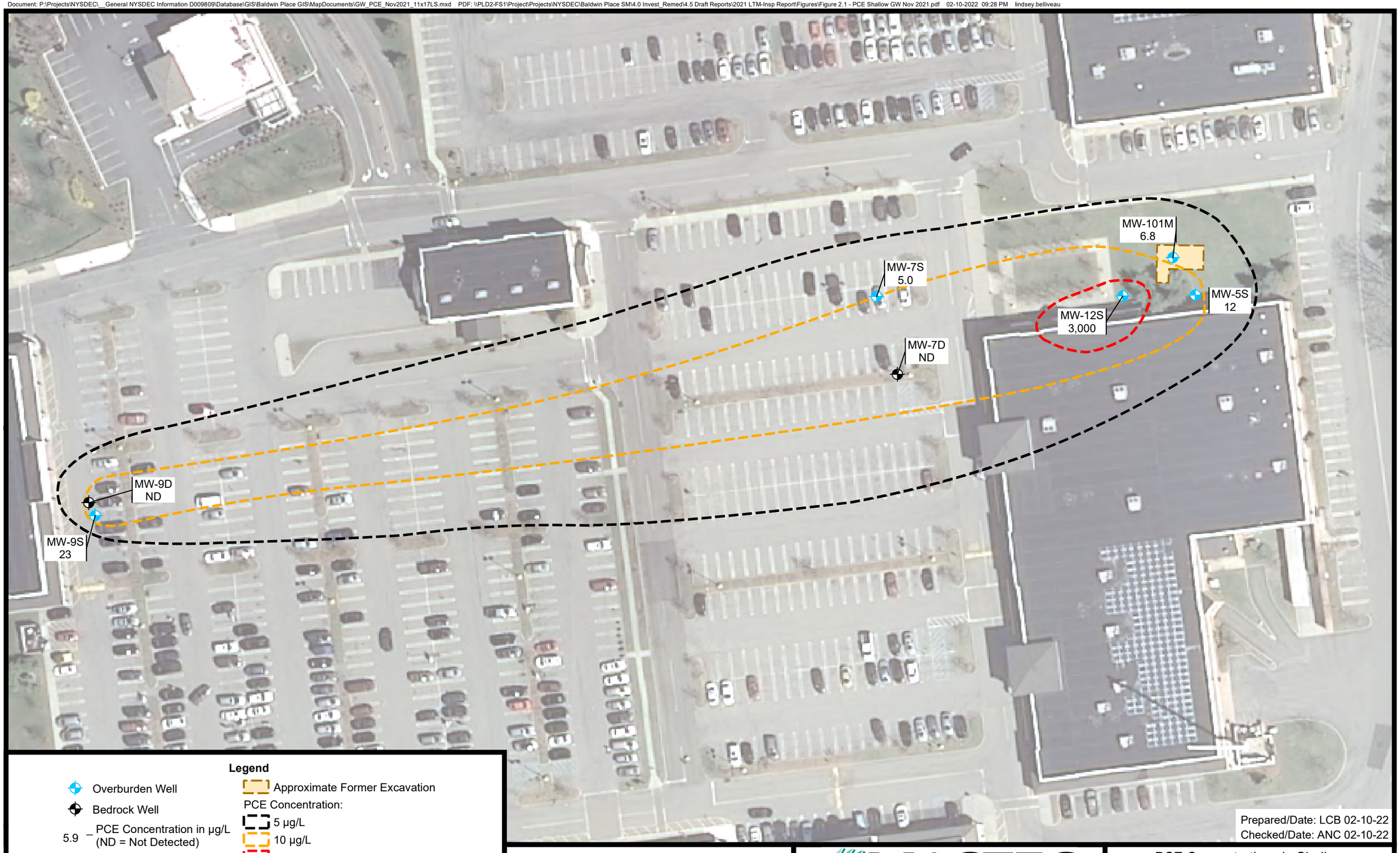
0 75 150 Feet

Prepared/Date: LCB 02-02-22
Checked/Date: SEE 02-02-22

BALDWIN PLACE
SOMERS, NEW YORK

MACTEC

Deep Groundwater Contours
November 2021
Project 3616206104 Figure 1.4



Legend

- Overburden Well
- Bedrock Well
- 5.9 – PCE Concentration in µg/L (ND = Not Detected)
- Approximate Former Excavation
- PCE Concentration:
  - 5 µg/L
  - 10 µg/L
  - 1000 µg/L

N

0 30 60 Feet

Putnam County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

Prepared/Date: LCB 02-10-22
Checked/Date: ANC 02-10-22

BALDWIN PLACE SHOPPING CENTER
SOMERS, NEW YORK

MACTEC

PCE Concentrations in Shallow Monitoring Wells
Project 3616206104 Figure 2.1

APPENDIX D-2

LTM TABLES– NOVEMBER 2021

Table 2.3: Groundwater Elevation Summary - November 2021

Location ID	Northing	Easting	Ground Elevation	Measuring Point Elevation	Screening Interval (ft bgs)	Screen or Open Hole	Screen Location	Measurement Reference Point Marked (Y/N)	Protective Casing Stickup (ft.)	TOC-TOR Difference (ft.)	Depth to Water 11/16/2021 (ft bmp)	Depth to Bottom 11/16/2021 (ft bmp)	Water Elevation (ft msl)
RW-1S[2]	NA	NA	NA	602.03	8 - 47.5	Screen	Overburden	NA	NA	NA	34.86	NA	NA
RW-2D[2]	NA	NA	NA	602.02	48 - 82.5	Screen	Competent Rock	NA	NA	NA	45.91	NA	NA
MW-2S[1]	489208.54	657911.87	601.53	604.05	1 -14	Screen	Overburden	N	NM	NM	3.02	16.62	601.03
MW-2D[1]	489201.58	657911.87	601.66	603.41	60 - 90	Screen	Overburden	N	NM	NM	9.76	61.30	593.65
MW-3D[1]	489928.54	658517.37	602.25	604.23	60 - 90	Screen	Overburden and Weathered Rock	N	NA	NM	11.83	87.22	592.40
MW-3DD[1]	489916.33	658522.03	602.22	604.21	170 - 200	Open Hole	Competent Rock	N	NA	NM	9.41	200.15	594.80
MW-4S[1]	490472.33	658342.09	609.68	611.64	3.6 - 23.6	Screen	Overburden	N	NM	NM	5.35	24.42	604.26
MW-4D[1]	490472.33	658348.70	609.72	611.84	58.4 - 90.5	Open Hole	Competent Rock	N	NM	NA	9.85	91.70	600.58
MW-5S[3]	915252.51	696420.56	603.45	605.47	3 - 23	Screen	Shallow Overburden	N	2.15	0.13	7.29	24.00	596.54
MW-7S[3]	915251.45	696205.63	602.58	602.23	5 - 25	Screen	Overburden	N	NA	0.42	34.86	25.00	590.50
MW-7M1[3]	915244.46	696209.25	602.54	602.17	25.5 - 35.5	Screen	Weathered Rock	N	NA	NM	10.80	35.25	591.37
MW-7M2[3]	915244.46	696209.25	602.54	602.26	39.6 - 44.6	Screen	Competent Rock	N	NA	NM	10.65	44.28	591.61
MW-7D[3]	915199.02	696219.69	602.86	602.31	60 - 90	Open Hole	Competent Rock	N	NA	0.62	11.95	92.13	590.36
MW-8S[1]	490494.34	658582.67	618.28	618.02	4 - 24	Screen	Overburden	N	NA	0.00	5.64	22.00	612.38
MW-9S[1]	489830.91	657691.12	596.21	595.99	10.5 - 30.5	Screen	Weathered and Competent Rock	N	NA	0.14	6.76	28.36	589.23
MW-9D[1]	489839.13	657686.69	595.99	595.68	60 - 90	Open Hole	Competent Rock	N	NA	0.67	11.42	89.91	584.26
MW-10D[1]	489705.74	657883.78	600.52	600.22	59.5 - 90	Open Hole	Competent Rock	N	NA	NM	11.42	89.45	NA
MW-12S[3]	915251.73	696371.52	603.99	606.35	20 - 39.75	Screen	Overburden	N	NM	0.79	15.92	44.19	593.69
MW-12S1[3]	915273.58	696371.16	604.41	604.01	12.2 - 22.2	Screen	Shallow Overburden	N	NA	NM	7.95	20.50	596.06
MW-12M[3]	915273.58	696371.16	604.41	603.94	39 - 49	Screen	Deep Overburden	N	NA	NM	17.16	46.44	586.78
MW-101M[3]	915277.71	696405.45	604.19	603.43	37.8 - 47.8	Screen	Deep Overburden	N	NA	NM	18.78	87.40	584.65
MW-101D[3]	915277.71	696405.45	604.19	603.77	52 - 57	Screen	Overburden and Weathered Rock	N	NA	NM	24.98	55.77	578.79

Notes:
MW = monitoring well; RW = recovery (extraction) well
ft bgs = feet below ground surface
ft bmp = feet below measuring point
msl = mean sea level
NM = not measured
NA = not available
Y/N = Yes/No
1 = Northing/Easting = North American Datum 1927 NYSPCS East (US Survey ft); Elevations = National Geodetic Vertical Datum 1929 (US survey ft)
2 = Both RW-1S and RW-2D have transducers installed within, and transducer depths below top of casing are **42.7 ft** for RW-1S and **56 ft** for RW-2D. Water levels in these wells are monitored with the submerged transducer and the depth of water above the transducer is displayed in the treatment building. Due to possibility of faulted transducer readings, no water elevation data is presented from these wells.

3 = Northing/Easting = North American Datum 83 - NYSPCS EAST (US survey ft); Elevations = North American Vertical Datum 88 (US survey ft)

Created by KMS 01/25/22
Checked by ANC 01/25/22

Table 2.4: Monitoring Well Inspection Summary - November 2021

Location ID	Northing	Easting	Screening Interval (ft bgs)	Screen or Open Hole	Screen Location	Well ID Clearly Labeled (Y/N)	Well Lock/Cap (G/F/P)	Protective Casing (G/F/P)	Water in Annular Space (Y/N)	Concrete Pad (G/F/P)	Well Riser/Cap (G/F/P)	Well Obstruction (Y/N)	Comments	Recommended Repairs
Data from Final Remedial Investigation Report, August 1994[1]														
RW-1S[2]	NA	NA	8 - 47.5	Screen	Overburden	N	G	G	NA	NA	G	N		
RW-2D[2]	NA	NA	48 - 82.5	Screen	Competent Rock	N	G	G	N	NA	G	N		
MW-2S	489208.54	657911.87	1 -14	Screen	Overburden	Y	G	G	N	G	G	N		
MW-2D	489201.58	657911.87	60 - 90	Screen	Overburden	Y	G	G	N	G	G	N		
MW-3D	489928.54	658517.37	60 - 90	Screen	Overburden and Weathered Rock	N	G	F	N	G	F	N	Needs new bolts	
MW-3DD	489916.33	658522.03	170 - 200	Open Hole	Competent Rock	N	F	F	N	G	G	N	Needs new bolts	
MW-4S	490472.33	658342.09	3.6 - 23.6	Screen	Overburden	N	G	G	N	NA	G	N		
MW-4D	490472.33	658348.70	58.4 - 90.5	Open Hole	Competent Rock	N	G	G	N	NA	NA	N	Steel casing - no PVC riser	
MW-8S	490494.34	658582.67	4 - 24	Screen	Overburden	N	G	F	Y	NA	F	N		
MW-9S	489830.91	657691.12	10.5 - 30.5	Screen	Weathered and Competent Rock	N	G	G	N	NA	G	N		
MW-9D	489839.13	657686.69	60 - 90	Open Hole	Competent Rock	N	G	G	N	F	G	N		
MW-10D	489705.74	657883.78	59.5 - 90	Open Hole	Competent Rock	N	G	G	N	G	P	N		
Data from June 2015[3] Survey														
MW-5S	915252.51	696420.56	3 - 23	Screen	Shallow Overburden	Y	G	G	N	NA	G	N		
MW-7S	915251.45	696205.63	5 - 25	Screen	Overburden	N	G	G	N	G	G	N		
MW-7M1	915244.46	696209.25	25.5 - 35.5	Screen	Weathered Rock	Y	G	G	N	G	G	N		
MW-7M2	915244.46	696209.25	39.6 - 44.6	Screen	Competent Rock	Y	G	G	N	G	G	N		
MW-7D	915199.02	696219.69	60 - 90	Open Hole	Competent Rock	N	G	G	N	G	G	N		
MW-12S	915251.73	696371.52	20 - 39.75	Screen	Overburden	Y	G	G	N	NA	G	N	DTW from TOC.	
MW-12S1	915273.58	696371.16	12.2 - 22.2	Screen	Shallow Overburden	Y	G	G	N	G	G	N		
MW-12M	915273.58	696371.16	39 - 49	Screen	Deep Overburden	Y	G	G	N	G	G	N		
MW-101M	915277.71	696405.45	37.8 - 47.8	Screen	Deep Overburden	Y	G	G	N	G	G	N		
MW-101D	915277.71	696405.45	52 - 57	Screen	Overburden and Weathered Rock	Y	G	G	N	G	G	N		

Notes:
MW = monitoring well; RW = recovery (extraction) well
ft bgs = feet below ground surface
ft bmp = feet below measuring point
msl = mean sea level
NA = not available
G/F/P = Good/Fair/Poor
Y/N = Yes/No
1 = Northing/Easting = North American Datum 1927 NYSPCS East (US Survey ft); Elevations = National Geodetic Vertical Datum 1929 (US survey ft)
2 = Both RW-1S and RW-2D have transducers installed within, and transducer depths below top of
3 = Northing/Easting = North American Datum 83 - NYSPCS EAST (US survey ft); Elevations = North

Created by: KMS 01/25/22
Reviewed by: ANC 01/25/22