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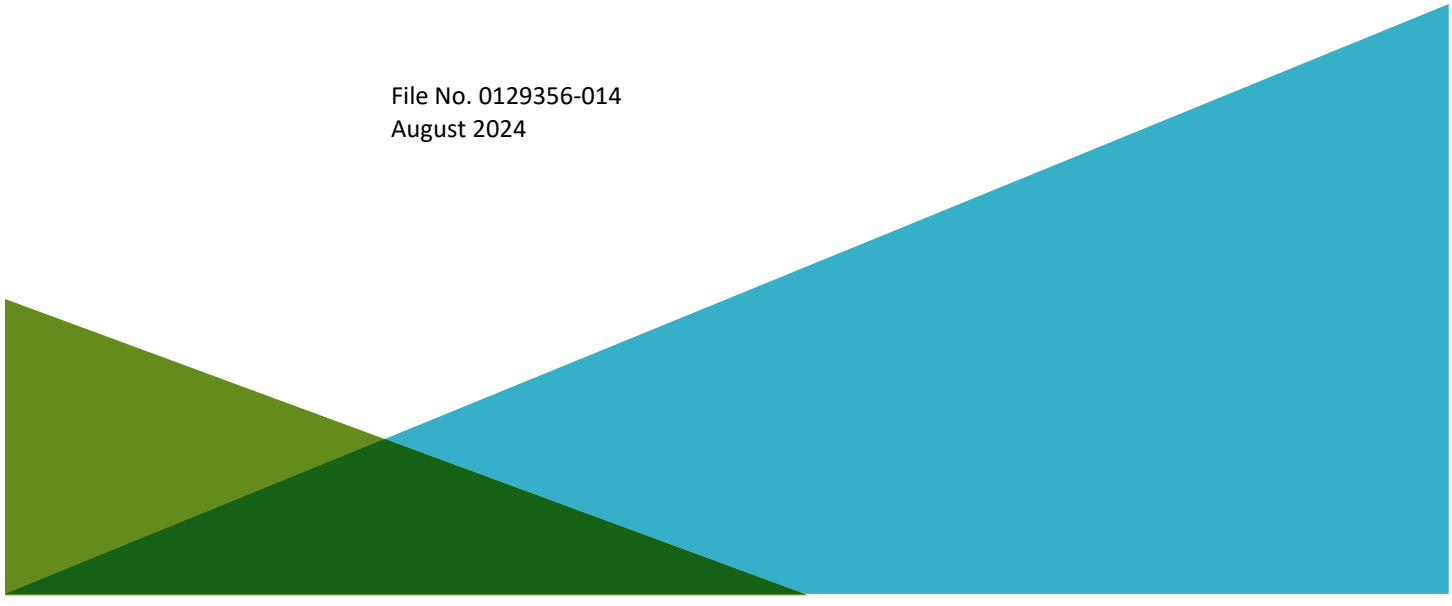
2022-2024 PERIODIC REVIEW REPORT

HYDRO-AIR COMPONENTS, INC. PROPERTY
FORMER STEELFIELDS AREA IV BCP SITE (#C915204)
100 RITTLING BLVD.
BUFFALO, NEW YORK

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

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

File No. 0129356-014
August 2024



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30 August 2024
File No. 0129356-014

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
700 Delaware Avenue
Buffalo, New York 14209

Attention: Megan Kuczka
Environmental Program Specialist 1

Subject: Hydro-Air Components, Inc. Property
Former Steelfields Area IV BCP Site; NYSDEC Site #C915204
2022-2024 Periodic Review Report & Institutional Controls/
Engineering Controls Certification
100 Rittling Blvd.
Buffalo, New York

Ladies and Gentlemen:

On behalf of Hydro-Air Components, Inc. (Hydro-Air), H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) hereby submits this Periodic Review Report (PRR) and Institutional & Engineering Controls (IC/ECs) Certification for the 2022-2024 period (2022-2024 PRR) for the Former Steelfields Area IV BCP Site (NYSDEC Site #C915204) located at 100 Rittling Boulevard, Buffalo, New York (the "Site"). The 2022-2023 PRR was extended out to a two year certification period, in accordance with correspondence between the New York State Department of Environmental Conservation (NYSDEC) and Haley & Aldrich of New York on 12 January 2024. This report summarizes activities performed during the reporting period of 15 April 2022 through 14 April 2024 and was prepared in accordance with the NYSDEC-approved Site Management Plan, dated November 2007, as amended on 25 March 2014 (SMP), to incorporate recommendations from the 2012 Corrective Measures Report.

The 2022-2024 PRR documents SMP activities implemented during the reporting period and provides documentation of ongoing monitoring and corrective measures activities required by the SMP.

Haley & Aldrich of New York conducted the two annual Site engineering controls inspections on 16 March 2023 and 27 March 2024. General site monitoring activities were completed over the reporting period by Hydro-Air personnel and contractors, and documentation of the monitoring activities is attached to and incorporated by reference in this 2022-2024 PRR.

The 2023 and 2024 Site engineering controls inspection observations indicated that existing Site cover placed during remediation and redevelopment activities in the mid-2000s is currently maintained in accordance with the SMP. However, contrary to documentation provided in the Final Engineering

Report (FER) summarizing Site remedial activities, soil cover inadvertently does not appear to have been placed on either the southwest corner of the Site or within overlapping easements held by the Buffalo, Rochester and Pittsburgh Rail Company (BRPRR) and Niagara Mohawk Power Corporation (NiMo) along the western-most edge of the Site.

Furthermore, piles of anthropogenic fill materials generated during periodic maintenance of a drainage ditch conducted by BRPRR within the BRPRR/NiMo easements were placed on top of the existing Site cover to the immediate east of the approximate eastern easement boundary. These piles represent a portion of the Site lacking a cover system.

Due to the apparent lack of cover along the southwestern portion of the Site, and the uncovered piles generated by the BRPRR to the immediate east of the eastern edge of the BRPRR/NiMo easements, the certification of Site IC/ECs cannot be made. Per the request of the NYSDEC, this PRR is being submitted while Haley & Aldrich of New York, on behalf of Hydro-Air, is working on a Corrective Measures Work Plan (CMWP) for the repairs/maintenance of the Site cover system.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Andrew L. Nichols
Project Manager

Glenn M. White, CHMM
Senior Consultant

Enclosures

c: Hydro-Air Components, Inc.; Attn: Rob Daigler, Ryan Panfil
Barclay Damon, LLP.; Attn: Thomas Walsh, Esq.

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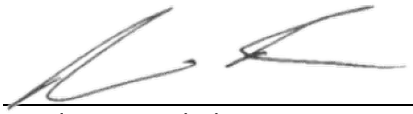
SIGNATURE PAGE FOR

2022-2024 PERIODIC REVIEW REPORT

HYDRO-AIR COMPONENTS, INC. PROPERTY
(FORMER STEELFIELDS AREA IV BCP SITE; NYSDEC SITE #C915204)
100 RITTLING BLVD.
BUFFALO, NEW YORK

PREPARED ON BEHALF OF HYDRO-AIR COMPONENTS, INC.
FOR
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BUFFALO, NEW YORK

PREPARED BY:



Andrew L. Nichols
Project Manager
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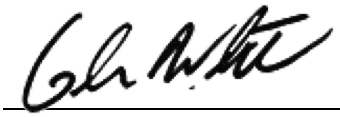
REVIEWED AND APPROVED BY:



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Senior Consultant
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Executive Summary

The Steelfields Area IV Brownfields Cleanup Program (BCP) Site, NYSDEC Site #C915204, comprises 30.91 acres of land located at 100 Rittling Boulevard in Buffalo, New York (See Figures 1 and 2) (the "Site"). Remedial activities at the Site were initiated in 2003 under a Voluntary Cleanup Agreement (VCA) between the former Site owner, Steelfields Ltd., and the NYSDEC. In 2006, Hydro-Air purchased the Steelfields Area IV property, successfully applied for the BCP, and subsequently entered into a Brownfields Cleanup Agreement with NYSDEC on 21 August 2006 to continue through to completion the remedial program activities commenced under the VCA Work Plan. For continuity, Hydro-Air retained the same environmental contractor, Benchmark Environmental Engineering & Science PLLC (Benchmark), that had progressed the Site for Steelfields Ltd.

The Site is currently developed with a 144,000 square foot manufacturing building and adjoining office space, surrounded by paved parking lots, landscaped areas, a stormwater retention pond, and vegetated areas. Soil and groundwater on some portions of the Site have been found to contain volatile organic compounds (VOCs), metals (primarily arsenic, chromium, and lead), and cyanide, associated with past use of the Site as the former Donner-Hanna Coke storage yard. Additionally, alkaline groundwater is known to exist in the northeastern corner of the Site, and acidic groundwater is known to exist in the western portion of the Site.

The NYSDEC-approved remedy for the Site included the following:

- Excavation and removal of soils contaminated with historical coking process wastes from the Site, backfilling, and placement of a cover system;
- Use of Oxygen Release Compound (ORC) in Site groundwater wells (began in 2007) to stimulate in-situ aerobic biodegradation of residual Site soil benzene, ethylbenzene, toluene and xylene (BTEX) contamination at locations where the results of confirmation soil samples collected during remedial excavation did not meet Site Specific Action Levels (SSALs) established for subsurface soil and fill at the Site;
- Installation and operation of an active sub-slab depressurization system (ASD) for the Site building to mitigate the potential for soil vapor intrusion (ASD constructed and operated continuously since 2007); and
- Annual inspection by a qualified person verifying that the institutional controls and/or engineering controls employed at the Site remain in place and operational.

Also included as part of the NYSDEC-approved remedy was the recording of an Environmental Easement on 21 December 2007 to address institutional control requirements of the BCP, including, but not limited to:

- Restricting the property to industrial use;
- Preventing use of groundwater at the Site without prior agency approval; and
- Adherence to the SMP for long-term management of the Site in order to maintain protection of human health and the environment.

The SMP, dated November 2007, was amended on 25 March 2014 to incorporate recommendations from the 2012 Corrective Measures Report. The SMP consists of institutional and engineering controls (IC/ECs). The Site IC consists of the Environmental Easement on the property, which includes groundwater and land use restrictions, and adherence to the SMP. IC activities specified in the SMP include annual groundwater monitoring, monthly monitoring of stormwater pond water quality, and an annual site inspection. Site ECs include maintenance of the Site cover system, the gasketed stormwater conveyance piping, the operation and maintenance of the sub-slab depressurization system (ASD), and the in-situ treatment of residual contamination in native soils using oxygen release compounds (ORC). Monitoring of the IC/ECs is conducted periodically per the SMP.

Excepting the absence of the cover system in the southwestern area of the Site, the absence of cover beneath the electric lines within the Buffalo, Rochester and Pittsburgh Rail Company (BRPRR) and Niagara Mohawk Power Corporation (NiMo) easements along the western border of the Site (collectively, the "Easements Area"), and BRPRR's apparent placement of materials excavated during drainage ditch maintenance on top of the existing cover immediately to the east of the Easements Area, IC/ECs have remained in-place and operational during the reporting period. The SMP and Environmental Easement remain in-place, groundwater has not been used, and Site use is consistent with land use restrictions (industrial).

SITE COVER SYSTEM IS NOT CURRENTLY MAINTAINED IN ACCORDANCE WITH THE SMP

During the March 2023 Site engineering controls inspection, Haley & Aldrich of New York observed that soil beneath the NiMo power lines in the Easements Area located west of a fence line generally marking the western edge of the current Site cover system ("Fence Line"), referred to as "western grass area" shown in Figure 2, did not appear covered with 12 inches of imported soil/fill, as was described in the Final Engineering Report (FER) prepared by Benchmark for the Site, dated November 2007. This area includes a 30-foot-wide railroad track easement reserved by the BRPRR to use, maintain and remove Track T-RB2A(1), and a partially overlapping 40-foot-wide utility easement granted to NiMo. These approximate boundaries of these easement areas are shown on Figure 3.

Haley & Aldrich of New York also observed piles of waste soil/fill materials, including slag, refractory brick, ash, and/or other anthropogenic fill materials, placed along and on top of the Fence Line which had destroyed lengthy sections of the fence. The piles of excavated material extended onto the Site cover system located east of the Fence Line where 12 inches of imported cover is present. BRPRR representatives indicate these piles were generated during periodic maintenance of a drainage ditch within the BRPRR/NiMo easements conducted by the Railroad. Hydro-Air was not aware of the periodic maintenance of the ditch by the BRPRR.

During the same visit, Haley & Aldrich of New York observed that the southwest corner of the Site (see Figure 3) was not covered with one foot of imported soil/fill as described in the FER.

The March 2023 and 2024 Site engineering controls inspection observations indicated that areas of the Site do not have cover in accordance with the SMP such that the certification of all of the Site IC/ECs cannot be made. Per request of the NYSDEC on 17 May 2024, this PRR is being submitted while Haley & Aldrich of New York, on behalf of Hydro-Air, is working on a Corrective Measures Work Plan (CMWP) for the placement/repairs/maintenance of the Site cover system.

Haley & Aldrich of New York is working on a CMWP detailing the procedures and schedule for completion of activities to enable certification of all Site IC/ECs. These activities include the placement of cover on the southwestern area of the Site which did not receive cover during the remediation, and which is not burdened by either the NiMO or BRPRR easements. Additionally, soils excavated from within the NiMo and/or BRPRR easements and piled on sections of the Fence Line and cover system abutting the eastern edge of the NiMO easement will be addressed by Hydro-Air if the easement property is not transferred to BRPRR, or if not transferred, those soil piles are not diligently addressed by BRPRR.

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1. Site Overview and Remedy Implementation

The Steelfields Area IV Brownfields Cleanup Program (BCP) Site, NYSDEC Site #C915204, comprises 30.91 acres of land located at 100 Rittling Boulevard in Buffalo, New York (See Figures 1 and 2) (the "Site"). Remedial activities at the Site were initiated in 2003 under a Voluntary Cleanup Agreement (VCA) between the former Site owner, Steelfields Ltd., and the NYSDEC. In 2006, Hydro-Air purchased the Steelfields Area IV property, successfully applied for the BCP, and subsequently entered into a Brownfields Cleanup Agreement with NYSDEC on 21 August 2006 to continue through to completion the remedial program activities commenced under the VCA Work Plan. For continuity, Hydro-Air retained the same environmental contractor, Benchmark Environmental Engineering & Science PLLC (Benchmark), that had progressed the Site for Steelfields Ltd.

Site development was completed in 2007 with the construction of an approximately 144,000 square foot manufacturing building and adjoining office space. Remaining portions of the Site include paved parking lots, a gravel road, landscaped areas, a stormwater retention pond, and vegetated areas. Soil and groundwater on some portions of the Site contain volatile organic compounds (VOCs), metals (primarily arsenic, chromium, and lead), and cyanide, associated with past use of the Site as the former Donner-Hanna Coke Storage Yard. Additionally, alkaline groundwater is known to exist in the northeastern corner of the Site, and acidic groundwater is known to exist in the western portion of the Site.

Soil and groundwater investigations were conducted at the Site between 1997 and 2005 as part of VCP activities. Following investigation, and entry of the Site in the BCP by Hydro-Air, a Site remedy was selected consisting of:

- Excavation and removal from the Site of soils contaminated with historical coking process wastes; backfilling; and placement of cover material;
- Use of Oxygen Release Compound (ORC) in designated Site groundwater wells to stimulate aerobic biodegradation of residual Site soil benzene, ethylbenzene, toluene and xylene (BTEX) contamination at locations where the results of confirmation soil samples collected during remedial excavation did not meet Site Specific Action Levels (SSALs) established for subsurface soil and fill at the Site;
- Installation and operation of an active sub-slab depressurization system (ASD) for the Site building to mitigate the potential for soil vapor intrusion (ASD constructed and operated continuously since 2007);
- Use of gasketed stormwater conveyance piping;
- Periodic monitoring; and
- Annual inspections.

Also included as part of the remedy was the recording of an Environmental Easement on 21 December 2007 to establish institutional control requirements at the Site, including continued industrial use of the property, preventing use of groundwater at the Site without prior agency approval, and adherence to the Site Management Plan (SMP) for long-term management of the Site to maintain protection of human health and the environment as required by the NYSDEC. The NYSDEC approved the SMP dated November 2007, and its amendment dated 25 March 2014.

This report summarizes activities performed during the period 15 April 2022 through 14 April 2024.

2. IC/EC Compliance Report

Site institutional controls (ICs) in the form of an Environmental Easement are in effect at the Site. These restrictions include prohibition of groundwater use unless rendered safe for the intended purpose and land use restrictions (industrial use only). The Environmental Easement also stipulates that the Site is managed under a NYSDEC-approved SMP and requires periodic certification indicating that the Site engineering controls (ECs) remain in-place and continue to be protective.

There are four ECs in place at the Site, which are as follows and further described in the sections below:

- 2.1.1 Cover System
- 2.1.2 Sub-Slab Depressurization System
- 2.1.3 Gasketed Stormwater Conveyance Piping
- 2.1.4 ORC In-situ Treatment

There are two maintenance and/or monitoring activities associated with ICs are as follows and further described in the sections below:

- 2.1.5 Groundwater Monitoring
- 2.1.6 Stormwater Pond Monitoring

2.1 ENGINEERING CONTROLS - REQUIREMENTS AND COMPLIANCE

2.1.1 Cover System

Potential direct exposure to residual contamination remaining at the Site is prevented by a cover system, which consists of the building slab, pavement, and 1 foot of clean gravel or soil which at a minimum meets Site Specific Action Levels (SSALs) presented in the SMP and, for non-SSAL constituents, NYSDEC 6 NYCRR Part 375 restricted industrial use Soil Cleanup Objectives (SCOs) and vegetative cover. The stormwater pond east of the Site building is also part of the cover system. The cover system is required to be maintained in accordance with the SMP. The current post-remedial excavation extent of Site soil cover is documented in Figure 3-6, "Area IV – Surface Coverage, Post-Remedial Excavation and Soil Cover Record," of the 2007 FER.

Excavations that breach the cover system require monitoring and soil management in accordance with the Excavation Work Plan appended to the SMP. In addition, should certain fill materials ever be imported onto the Site, they must be tested prior to Site use to demonstrate compliance with the requirements of the SMP. Fill materials were not imported to the Site during the reporting period.

2.1.1.1 Observations of Site cover system not constructed as shown in 2007 Final Engineering Report

Remediation and redevelopment of the Site was thought by Hydro-Air and NYSDEC to have been fully completed in 2007. The legal boundaries of the Site are described in "Exhibit A" of a VCA Modification dated 9 March 2007, in the Environmental Easement for the Site, and are shown on the "Survey of Lands, Conveyed to Hydro-Air Components, Inc.," dated 10 January 2005, prepared by Wendel

Duchscherer. Additionally, the post-remedial excavation extent of Site soil cover, as documented in Figure 3-6, "Area IV – Surface Coverage, Post-Remedial Excavation and Soil Cover Record" of the 2007 FER, reportedly extended to the legal boundaries of the Site.

Review of the legal boundaries of the Site indicate the western edge includes a 30-foot-wide track easement reserved by the Buffalo, Rochester and Pittsburgh Rail Company (BRPRR) to use, maintain and remove Track T-RB2A(1) and a partially overlapping 40-foot-wide utility easement granted to Niagara Mohawk Power Corporation (NiMo). The approximate limits of these overlapping easement areas are shown on Figure 3. A drainage ditch is located within the BRPRR and NiMo easements. A fence line runs approximately 60 feet east from the westerly Site boundary and, therefore, generally extends along the eastern edge of the NiMo easement. Documentation contained in the FER, indicated selected remedial excavations extended to the forementioned fence line marking the eastern edge of the NiMo easement. The FER also indicated that 12 inches of "imported soil/fill cover" were placed in the NiMo easement area, including across the BRPRR road, as final remedial soil cover in accordance with the Site's Remedial Design Work Plan (RDWP).

During the March 2023 Site engineering controls inspection, Haley & Aldrich of New York observed that the Site areas within the NiMO and BRPRR easements, as well as areas in the southwest corner of the Site, did not appear to be covered with 12 inches of imported soil/fill as described in the FER (see Figure 3). Haley & Aldrich of New York also observed piles of excavated soil/fill materials, including slag, refractory brick, ash, and/or other anthropogenic fill materials, placed along, and on top of, the fence line and cover materials immediately to the east of the NiMo easement, which had destroyed lengthy sections of the fence line. These piles were reported by the BRPPR to have been generated by BRPRR during periodic maintenance of a drainage ditch within the BRPRR/NiMo easements conducted by the railroad. The piles of excavated material extended onto the land east of the fence line covered by 12 inches of imported materials.

Correspondence between NYSDEC and Hydro-Air dated 18 September 2023 (see Appendix B) indicated placement of 1-foot of cover in areas not burdened by NiMO and BRPRR easements is required to maintain adherence to the SMP (see Figure 3). Correspondence between NYSDEC and Hydro-Air dated 17 May 2024 indicated that the piles of soil/fill materials excavated from within the aforementioned easements and placed along, and on top of, the fence line and cover to east of the easements should be addressed by either removing the material from the Site or, in accord with the SMP, spreading and covering it with 12 inches of imported material.

Based on the aforementioned observations, Site cover does not exist in the southwest corner of the Site and as a result, the certification of all of the Site IC/ECs cannot be made. However, the inspections found that the active sub-slab depressurization system (ASD) and the gasketed stormwater conveyance piping were in place and properly operating, that the ORC socks were in place as required, and that groundwater and the stormwater pond monitoring had occurred in accordance with the SMP.

Based upon the apparently missing Site cover system in the southwest corner and the piles of excavated materials on top of the fence line and cover system to the east of the NiMo easement and per request of the NYSDEC on 17 May 2024, this PRR is being submitted while Haley & Aldrich of New York, on behalf of Hydro-Air, is working on a Corrective Measures Work Plan (CMWP) for the repairs/maintenance of the Site cover system.

Haley & Aldrich of New York plans to submit a final CMWP by 17 May 2025, detailing the procedures and schedule for completion of activities to enable certification of all Site IC/ECs. These activities include the placement of cover on the southwestern area of the Site which did not receive cover during the remediation, and which is not burdened by either the NiMO or BRPRR easements. Additionally, soils excavated from within the NiMo and/or BRPRR easements and piled on sections of the Fence Line and cover system abutting the eastern edge of the NiMO easement will be addressed by Hydro-Air if the easement property is not transferred to BRPRR, or if not transferred, those soil piles are not diligently addressed by BRPRR.

2.1.1.2 Snowplow Damage to Site Cover

During the March 2024 Site engineering controls inspection, minor snowplow damage was observed to grassy areas adjacent to the Site parking lots. Snow plowing activities in winter 2024 appeared to "peel back" the upper sod surface in these areas adjacent to existing parking lot roadways. The sod was recovered and put back in place in April 2024 to repair the surface cover.

Winter 2024 snowplow activities also resulted in piles of gravel accumulating along the gravel road along the northern end of the Site. The gravel was previously placed above the existing cover system to prevent groundwater surfacing in this area of the Site (see Section 2.1.1.4) and does not represent a breaching of site cover conditions.

2.1.1.3 Parking Lot Light Post Replacement

During the March 2023 Site engineering controls inspection, a light post located in the Site parking lot south of the Site building office areas was observed to have been knocked down. Subsurface soils surrounding the damaged concrete light post base were exposed, representing a temporary breach of the Site cover system in the parking lot area.

Hydro-Air's contractor, Ferguson Electric, replaced the light post on 24 August 2023. Ferguson Electric removed the damaged light post and base and excavated apparent previously imported stone and topsoil from around the light post to a depth of approximately 4 feet below ground surface. Ferguson Electric temporarily stockpiled the stone and topsoil on polyethylene sheeting on the asphalt parking lot adjacent to the excavation. Haley & Aldrich of New York did not observe evidence of contamination during the excavation activities. Additionally, screening of the excavated soils/stone with a photoionization detector (PID) did not detect elevated concentrations of volatile constituents (i.e. > 5 parts per million). Because evidence of contaminated soils was not observed, the stone and topsoil were reused by Ferguson Electric to backfill the light post excavation. Approximately 1 additional cubic yard of stone previously imported to the Site and stockpiled was also used to backfill the excavation to final grade. The stockpiled stone was imported to the Site in 2021 under NYSDEC approval to repair the gravel driveway along the northern side of the Site building (see Section 2.1.1.3, below). Following the light post replacement activities, the breached cover system in the vicinity of the light post is considered repaired in accordance with the SMP.

2.1.1.4 Prevention of Groundwater Surfacing

Prior to 2010, groundwater that had been in contact with soils from beneath the cover system was observed accumulating in the northeastern loading dock area of the Site building (see Figure 2). Subsequent to corrective measures that were put into place per the NYSDEC-approved Corrective

Measures Work Plan, groundwater has not accumulated in the northeastern loading dock area. The reconfiguration of the loading dock pump system (setting to automatic pumping and raising the float set-point) has maintained dry conditions and has sufficiently prevented the surfacing of groundwater in the area. Stormwater collecting in the loading dock catch basins is pumped to the Site stormwater pond located directly to the east. Hydro-Air has continued to monitor the efficacy of these controls regularly throughout the reporting period.

Prior to 2012, evidence of surfacing groundwater from beneath the gravel cover areas on the northern end of the Site was evident (see Figure 2). As a voluntary corrective measure, the gravel cover on the northern portion of the access road was enhanced in 2012 by the placement of additional gravel (an additional 9 to 11 inches). In January 2021, standing water was observed in compacted areas on the gravel roadway between the Site building and northern Site boundary following a period of rainfall and snowmelt. The condition was likely related to the recent rainfall/snow melt/localized groundwater recharge. To limit the potential for future temporary ponding under similar conditions, Hydro-Air imported approximately 88 tons of #2 crushed limestone and elevated the compacted areas and re-graded the roadway. Hydro-Air monitored the road conditions throughout the 2022-2024 reporting period and did not observe prolonged unanticipated standing water conditions.

2.1.1.5 Floor Cracking

During the 2022-2024 PRR period, Hydro-Air personnel repaired floor cracks observed in linoleum floor tiles and ceramic bathroom tiles within the western portions of the Site office areas. Observed cracks were filled with hydraulic cement and the joint surfaces were sealed with self-leveling polyurethane caulk. Damaged linoleum floor tiles were replaced, and the floors subsequently covered with carpeting in 2023. Photographs of the linoleum floor repairs and carpeting are included in Appendix D.

During the March 2023 PRR Site visit, an apparent expanding floor crack and several enlarged expansion joints were observed within the concrete floor of the Site manufacturing space. The expanding floor crack was located near the southeast corner of the facility paint booth. The observed crack and enlarged expansion joints were filled with hydraulic cement and the joint surfaces were sealed with self-leveling polyurethane caulk. Evidence of additional cracking or floor joint expansion was not observed during the March 2024 Site visit. Photographs of the crack sealing activities are included in Appendix D.

Although other minor surficial floor cracks continue to be observed in select areas of the Site manufacturing space, these cracks do not appear to extend through the concrete floor slab.

2.1.2 Sub-Slab Depressurization System

An ASD system was installed during 2006 Site building construction to mitigate the potential for soil vapor intrusion to occur. The ASD system consists of an 8-mil polyethylene vapor barrier and five assemblies strategically placed within the footprint of the Site building, each containing the following items: perforated pipe suction assembly, vertical piping vent stack and associated materials, exhaust fan, and magnehelic pressure gauge. The as-built ASD system design, as provided in the 2007 Final Engineering Report, is provided in Appendix E.

Based on continued presence of sub-slab vacuum and continuous system operation, the ASD system is operating as designed, and documentation for regular maintenance and monitoring is included in Appendix E. Refer to Section 3.4 below, for additional information, including updates provided within

this Periodic Review Report and Annual Institutional & Engineering Controls Certification for 2022-2024 PRR.

2.1.3 Gasketed Stormwater Conveyance Piping

In areas of the Site with known groundwater impacts, stormwater injection (drywell) is prohibited, and stormwater conveyance pipes and manholes are required to have gasketed joints for water tightness to prevent the infiltration of impacted groundwater from beneath the cover system into the collection system.

Activities that would have impacted the integrity of the gasketed joints of stormwater conveyance piping were not performed during the reporting period. Gasketed stormwater conveyance pipes therefore remain in-place as designed and installed. No new stormwater conveyance piping was installed during the reporting period.

2.1.4 ORC In-Situ Treatment

The in-situ treatment of residual BTEX contamination in remaining soils at depth using oxygen release compounds (ORC) is maintained and monitored in accordance with the SMP. The three designated ORC wells are inspected annually, and ORC is replaced semi-annually in accordance with the SMP.

The ORC wells were inspected on 28 July 2022 and 18 September 2023. The ORC wells are currently intact and operational, and the seals appear to have integrity. ORC was replaced in July 2022, March 2023, September 2023, and April 2024. Documentation for regular maintenance, monitoring, and ORC replacement is included in Appendix F. Waste ORC socks generated during the July 2022 sampling were containerized at the Site facility and disposed off-site under manifest on 20 October 2022. Waste ORC socks generated during the September 2023 sampling were containerized at the Site facility and disposed off-site under manifest on 25 March 2024. The disposal receipts are included in Appendix F.

2.2 INSTITUTIONAL CONTROLS - REQUIREMENTS AND COMPLIANCE

2.2.1 Groundwater Monitoring

Groundwater samples from five monitoring wells and three in-situ ORC remediation wells identified on Figures 2 and 3, are collected annually using low-flow purge and sampling methods as specified in the SMP. Water quality parameters are measured and recorded in the field during the low-flow purge using a flow-through cell and water quality meter. The following field parameters are measured in each monitoring and in-situ remediation well: pH, temperature, Oxidation-Reduction Potential (ORP), specific conductance, turbidity, dissolved oxygen, CO_2, alkalinity, and visual/olfactory observations. Static depth to groundwater is measured at each monitoring well prior to groundwater sample collection. Static groundwater elevations from July 2022 and September 2023 are shown on Figure 3. Groundwater elevation contours and anticipated groundwater flow direction from the 2022 monitoring event are also shown on Figure 3.

Groundwater samples collected from the five monitoring wells are also analyzed for VOCs (Method 8260C), arsenic/chromium/lead (Method 6020B), cyanide (Method 9010C/9012B), and alkalinity (Method 2320B).

Long-term groundwater monitoring continues at the Site. Groundwater analytical data for the July 2022 and September 2023 sampling events are included in Appendix H. Sampling documentation is included in Appendix G. Groundwater purged during the July 2022 sampling was containerized at the Site facility and disposed off-site under manifest on 20 October 2022. Groundwater purged during the September 2023 sampling was containerized at the Site facility and disposed off-site under manifest on 25 March 2024. The groundwater disposal receipts are included in Appendix F.

2.2.2 Stormwater Pond Monitoring

Hydro-Air staff collect water samples each month from four locations in the Site stormwater pond (see Figure 2 for monitoring locations) and take pH and temperature readings on the samples using litmus paper strips. Readings are not collected when the pond is frozen. In accordance with the SMP, samples collected from the midpoint of the main pond and near the pond outlet pipe are combined in the field and analyzed as a composite sample. Stormwater pond sampling continues at the Site. Sampling data are included in Table V. The stormwater pond reportedly discharges to the municipal storm sewer.

2.3 IC/EC CERTIFICATION

Based on site visits and interviews with site personnel, all of the IC/ECs cannot be certified. Refer to Appendix A for a copy of the appropriate certification documentation.

3. Operations, Maintenance, & Monitoring Plan Compliance Report

Monitoring activities conducted during this reporting period consisted of annual inspections, annual groundwater sampling events, ORC well inspection and replacement of ORC, review of sub-slab vacuum measurements of the ASD, and stormwater pond monitoring. Monitoring activities were conducted in accordance with the SMP. The results of the groundwater and stormwater pond quality monitoring, and operations, maintenance, and monitoring of the ORC wells and ASD are further described below.

3.1 ANNUAL INSPECTIONS

A Haley & Aldrich of New York representative conducted annual certification inspections of the Site on 16 March 2023 and 27 March 2024, in accordance with the SMP. The Environmental Inspection Form summarizing observations made during these inspections is included in Appendix C, and representative Site photographs are included in Appendix D.

3.2 GROUNDWATER MONITORING

Groundwater monitoring was conducted in July 2022 and September 2023. Groundwater sampling results are presented on summary Tables I through IV, and Figures 4 through 6. Figure 4 presents the groundwater elevation contours for the 2022 sampling event, as well as approximate groundwater flow direction. Figure 5 is a posting map of the groundwater parameters of interest (benzene, arsenic, and cyanide) during the 2022 and 2023 sampling periods. Figure 6 illustrates historical trends for the groundwater parameters of interest using data from this monitoring period as well as historical monitoring periods.

The July 2022 and September 2023 groundwater samples were collected by NW Contracting of Alden, New York, and analyzed by Alpha Analytical, located in Westborough, MA. These laboratory data have been submitted as an EQuIS® electronic data deliverable (EDD) to the NYSDEC and the laboratory reports are included in Appendix H. Groundwater sampling field forms are provided in Appendix G. Historical groundwater monitoring data is included in Table I.

3.2.1 Groundwater Elevation Data

The groundwater contour map included as Figure 4 was prepared using the static groundwater elevations measured at the 5 monitoring wells on 27-28 July 2022. Current and historical groundwater elevation data are included in Table IV. Due to anomalous groundwater elevation readings at the ORC wells (specifically mounding in the vicinity of A4-ORC-2), these elevations were excluded from contouring. Groundwater mounding around ORC well A4-ORC-2 has been observed in prior years and may be influenced by the backfilling in portions of the Site. Consistent with previous monitoring periods, groundwater elevations indicate that shallow groundwater flow is generally to the southeast across the Site.

3.2.2 Parameters of Interest and Trend Assessments

The SMP indicates that groundwater quality parameters exceeding applicable NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations – Class GA – June 1998 (Class GA GWQS) for two consecutive events should be considered to be of interest. In 2007, benzene,

ethylbenzene, naphthalene, toluene, lead, chromium, cyanide, and arsenic were parameters of interest at the Site. Currently, however, only benzene, cyanide, and arsenic remain parameters of interest per the SMP.

During the 2022 sampling, cyanide was elevated over Class GA GWQS at wells A4-MW-5R, A4-MW-7R, and A4-MW-9. Benzene was elevated over Class GA GWQS at wells A4-MW-8R and A4-MW-9. Arsenic was elevated over Class GA GWQS at A4-MW-8R.

During the 2023 sampling, cyanide was again elevated over Class GA GWQS at wells A4-MW-5R, A4-MW-7R, and A4-MW-9. Benzene was elevated over Class GA GWQS at wells A4-MW-5R, A4-MW-7R, A4-MW-8R and A4-MW-10. Arsenic was not detected as concentrations exceeding the Class GA GWQS.

Concentrations for each parameter of interest measured in monitoring wells sampled in 2022 and 2023 are shown on Figure 5. Historical monitoring data and moving average trendlines for current parameters of interest at wells A4-MW-5R, A4-MW-7R, A4-MW-8R, A4-MW-9, and A4-MW-10 are shown on Figure 6.

3.2.2.1 A4-MW-5R

Cyanide remains a parameter of interest at monitoring well A4-MW-5R, where concentrations of 671 and 379 µg/L were detected in July 2022 and September 2023, respectively. Cyanide concentrations have exceeded Class GA GWQS since 2007 and detected concentrations have fluctuated between 103 µg/L and 920 µg/L during this period (see Figure 6), resulting in a slight increasing trend over time.

Benzene was not detected in monitoring well A4-MW-5R in July 2022 but was detected slightly above (1.3 µg/L) the Class GA GWQS in September 2023. Benzene was detected above the Class GA GWQS in 2020 and 2021 and remains a parameter of interest at monitoring well A4-MW-5R. Benzene concentrations have fluctuated between 0.6 µg/L and 8.4 µg/L between 2007 and 2023 (see Figure 6), exhibiting a relatively stable trend over time.

3.2.2.2 A4-MW-7R

Cyanide is now a parameter of interest at monitoring well A4-MW-7R, where concentrations of 419 and 303 µg/L were detected during consecutive monitoring periods in July 2022 and September 2023, respectively. Cyanide concentrations have intermittently exceeded Class GA GWQS since 2007 and detected concentrations have fluctuated between 14 µg/L and 550 µg/L during this period (see Figure 6), resulting in a slight increasing trend over time.

Benzene was not detected in monitoring well A4-MW-7R in July 2022 but was detected slightly above (5.7 µg/L) the Class GA GWQS in September 2023 and remains a parameter of interest. Benzene concentrations have fluctuated between <5 µg/L and 140 µg/L between 2007 and 2023 (see Figure 6), exhibiting a relatively stable trend over time, with the 140 µg/L detection representing an anomalous increase in 2020. Concentrations detected in 2022 and 2023 are similar in magnitude to those detected between 2007 and 2019.

3.2.2.3 A4-MW-8R

Benzene and arsenic remain parameters of interest at monitoring well A4-MW-8R. Benzene was detected at concentrations of 11,000 and 8,500 µg/L during monitoring periods in July 2022 and September 2023, respectively. Concentrations of benzene have exceeded Class GA GWQS for 18 consecutive monitoring periods. Benzene concentrations have generally decreased over the past 11 years following a maximum concentration 33,000 µg/L detected in 2011.

Arsenic was detected at concentrations of 26.59 and 24.16 µg/L during monitoring periods in July 2022 and September 2023, respectively. Arsenic concentrations have exceeded Class GA GWQS for 15 of the previous 18 monitoring periods. Arsenic concentrations have shown a stable to slightly decreasing trend over time.

3.2.2.4 A4-MW-9

Benzene and cyanide remain parameters of interest at well A4-MW-9. Benzene was detected at concentrations of 220 and 0.88 µg/L during monitoring periods in July 2022 and September 2023, respectively. Concentrations of benzene have exceeded Class GA GWQS for 16 of the past 18 monitoring periods. Benzene concentrations have generally decreased over time, with an almost 2 orders of magnitude decrease in 2013.

Cyanide was detected at concentrations of 2,620 and 2,570 µg/L during monitoring periods in July 2022 and September 2023, respectively. Cyanide concentrations have exceeded Class GA GWQS for 16 of the previous 18 monitoring periods. Cyanide concentrations have shown a stable to slightly increasing trend since 2013. Per the Shallow Groundwater Elevation Map attached as Figure 4, A4-MW-9 functions as a sentinel well reflecting upgradient conditions emanating from off-site on the adjacent Steelfields III site and migrating onto the Site.

3.2.2.5 A4-MW-10

Benzene remains parameter of interest at well A4-MW-10. Benzene was not detected in monitoring well A4-MW-10 in July 2022 but was detected slightly above (1.6 µg/L) the Class GA GWQS in September 2023. Concentrations of benzene have exceeded Class GA GWQS for 4 of the past 6 monitoring periods.

Groundwater monitoring activities will continue in the future following the annual schedule in accordance with the SMP. The next groundwater sampling event is tentatively scheduled for September 2024.

3.3 ORC WELL MAINTENANCE AND MONITORING

The ORC® socks were replaced on 28 July 2022, 9 March 2023, 19 September 2024, and 12 April 2024. The three ORC® wells were monitored during each of the two annual sampling events on 28 July 2022 and 19 September 2023, in accordance with the SMP. The ORC wells are currently intact and operational, and the seals appear to have integrity.

ORC field parameter monitoring results are presented in Table II. The pH at A4-ORC-1 and A4-ORC-2 have remained relatively stable since August 2020 (from 3.43 to 3.93 in A4-ORC-1; from 3.17 to 3.36 in A4-ORC-2). The pH at A4-ORC-3 has fluctuated between from 4.09 and 5.46 since 2020. Overall, the pH

within the three ORC® wells continues to remain low, and as a result of the low pH conditions, the ORC® is likely being inhibited from enhancing biodegradation of residual contaminants.

Note that the pH of the groundwater in the surrounding groundwater monitoring wells tested (i.e., wells A4-MW-5R, A4-MW-7R, A4-MW-8R, A4-MW-9, and A4-MW-10 that surround the Tar/Blue Soil Fill Excavation Limits where the ORC socks have been placed) ranged from 6.29 to 7.85 during the 2022-2024 PRR reporting period.

3.3.1 Request to Discontinue ORC Applications

As specified in the SMP and proposed and approved in July 2006 correspondence between the NYSDEC and Steelfields LTD/Turnkey Environmental Restoration, LLC, the Site ORC applications were intended for the in-situ treatment of BTEX-contaminated soils observed at the bottom of select remedial excavations (~ 8 to 12 feet below grade). Detected concentrations of benzene, the reported target compound for the ORC treatment, ranged from 1.3 to 8.7 mg/kg. These concentrations exceeded the Site-Specific Action Level (SSAL) of 1 mg/kg of individual VOCs established for subsurface soil and fill at the Site. At the time of the excavations (2006), the continued excavation and confirmation sampling of the BTEX-impacted soils was deemed "impractical and is significantly delaying backfilling operations." The ORC application was "proposed and approved based on the relatively low concentrations of benzene in subgrade native silty-clay soils, and the susceptibility of benzene to natural aerobic biodegradation by indigenous microbes." The SMP indicates the progress of the in-situ treatment is to be monitored and reported through the measurement of dissolved oxygen, pH, oxidation-reduction potential (ORP), temperature, alkalinity and water levels at each ORC well. Hydo-Air has conducted this monitoring and reported the results in each of the annual PRRs.

The ORC application was proposed by Steelfields LTD/Turnkey Environmental Restoration, LLC, approved by the NYSDEC, and implemented to address residual BTEX in soil that could not be excavated from discrete locations. The ORC was not designed or intended to address residual contamination in groundwater at the discrete excavation locations or further away at the perimeter groundwater monitoring wells.

Annual monitoring data collected since 2007 have continually indicated that groundwater in the ORC application wells is acidic (ranging from pH 1.4 to 6.13 over time and most recently 3.43 to 5.16 SU in September 2023). Such low pH conditions have likely inhibited biodegradation of residual BTEX at the ORC well locations since the design target pH for aerobic biodegradation is 6.0 to 8.5. Due to this likely inhibition of biodegradation processes and since human exposure to residual soil contamination is prevented by 8-12 feet of fill and the Site cover over the area, we recommend that the NYSDEC approve the discontinuing of ORC sock applications and closure of each of the three ORC application wells. Additionally, we propose to discontinue the measurement of carbon dioxide as a field parameter during purging of site perimeter monitoring wells during annual groundwater monitoring activities, as the carbon dioxide values are not anticipated to reflect the potential for aerobic bioremediation of volatile organic constituents in site groundwater.

3.4 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS, MAINTENANCE, AND MONITORING

The ASD system continuously operates at the Site and is monitored monthly by Hydro-Air staff, who record the system vacuum readings and operations data on the maintenance form provided in the

NYSDEC-approved SMP. These data are available on-site. The ASD system and monitoring documentation for the reporting period is provided in Appendix E.

The ASD system was evaluated on 16 March 2023 and 27 March 2024 by Haley & Aldrich of New York as part of the annual Site inspections. The evaluation included confirmation of vacuum measurements at the five existing monitoring points located within the facility. A facility map identifying the locations of each monitoring point and associated magnehelic gage are provided in Appendix E. The monitoring points and operating ranges since 2010 (measured units are inches of water) are provided below:

- 1 – Server Room (0.95 to 1.6; average = 1.12)
- 2 – SE Corner (1.25 to 1.75; average = 1.48)
- 3 – NE Corner (1.25 to 1.8; average = 1.57)
- 4 – NW Corner (1.0 to 2.0; average = 1.49)
- 5 – SW Corner (1.2 to 1.75; average = 1.56)

Overall, the ASD system operation is consistent with prior operations, observed magnehelic gauge readings are within observed historical operating ranges, and the ASD system appears to be operating acceptably and consistent with its intended function, design and construction.

3.5 STORMWATER POND MONITORING

Site stormwater pond water quality (pH and temperature) conditions were monitored monthly at four sampling locations (see Figure 2) by Hydro-Air staff using litmus strips. Stormwater pond monitoring data are summarized in Table V. Measured pH values within the Northern Embayment exceeded the NYSDEC TOGS 1.1.1 ambient water quality guidance values of pH 8.5 (guidance value) during two non-consecutive months (May and November 2023) during the 2022-2024 PRR monitoring period. The pH in the Northern Embayment and Main Pond was below the lower TOGS 1.1.1 ambient water quality guidance value of pH 6.5 during 15 of the 18 measurement periods. The reason for lower pH relative to recent previous PRR reporting periods is uncertain. In Fall 2024, Haley & Aldrich of New York plans to conduct pond pH measurements using a portable pH meter to compare with existing litmus paper readings by HydroAir staff to assess for variability in the measurements.

Throughout the 2022-2024 PRR monitoring period, pH measured at the Discharge Pipe sampling location ranged from 6.0 to 11.0, exceeding the guidance value during 9 months of the 24-month reporting period. Because neither the Northern Embayment nor Main Pond samples exceeded the guidance value for 3 consecutive monitoring events, precautionary measures to mitigate potential for an inadvertent exposure to pond water with pH above 8.5, as described in the SMP, were not needed.

4. Conclusions and Recommendations

The following are conclusions and recommendations for the Site from the results of monitoring activities completed during the reporting period:

- The existing Site cover system engineering control is not complete at the Site. Haley & Aldrich of New York, on behalf of Hydro-Air, is working on a Corrective Measures Work Plan (CMWP) which can be approved by the NYSDEC by 17 May 2025 detailing the procedures and schedule for placement of cover on an area in the southwestern corner of the Site which did not receive cover during the remediation despite the area not being burdened by either the NiMO or BRPRR easements. The CMWP will also detail how the soils excavated from within the NiMo and/or BRPRR easements by BRPRR and placed in piles on the covered portion of the Site will be appropriately characterized and either re-used on-Site or disposed of offsite by Hydro-Air, if Hydro-Air does not transfer the easements areas to BRPRR and those soils are not properly addressed by BRPRR, the entity that excavated them.

- The remaining engineering and institutional controls were operated and maintained during the reporting period. During the reporting period Hydro-Air repaired the Site cover system in the vicinity of a damaged light post in the Site parking lot, as well as filled and sealed several floor cracks and enlarged expansion joints in the building manufacturing space. Hydro-Air intends to continue monitoring the concrete cracks and expansion joints in the manufacturing floor and plans to fill floor cracks greater than ¼ inch in width, and expansion joints enlarged beyond ½ inch in width.
- The Environmental Easement remains in place. Groundwater has not been used at the Site during the reporting period. Site land use has remained for industrial use only during the reporting period.
- Groundwater monitoring results indicate benzene, cyanide and arsenic continue to remain parameters of interest at selected Site groundwater monitoring wells.

  Low pH conditions in the Site ORC application wells (A4-ORC-1, A4-ORC-2, A4-ORC-3) have likely inhibited biodegradation of residual BTEX in the unexcavated soils, found at approximately 8 to 12 feet below grade at the ORC well locations, since the design target pH for aerobic biodegradation is 6.0 to 8.5. Due to this likely inhibition of the ORC biodegradation processes and since human exposure to residual soil contamination is prevented by the Site cover over the area, we recommend that the NYSDEC approve the discontinuing of ORC sock applications and closing each of the three ORC application wells. Additionally, we would propose to discontinue the measurement of carbon dioxide as a field parameter during purging of site perimeter monitoring wells during annual groundwater monitoring activities, as the carbon dioxide values are not anticipated to reflect the potential for aerobic bioremediation of volatile organic constituents in site groundwater.

References

1. Corrective Measures Work Plan, Hydro-Air Components, Inc. Site (formerly Steelfields Area IV), 100 Rittling Boulevard, Buffalo, New York 14420, NYSDEC BCP Site #C915204, prepared by Haley & Aldrich of New York, dated 29 March 2024.

2. Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, prepared by NYSDEC, dated June 1998.

3. Final Engineering Report for Hydro-Air Components, Inc., Former Steelfields Area IV, Voluntary Cleanup Program & Brownfields Cleanup Program, NYSDEC BCP Site #C915204, prepared by TurnKey Environmental Restoration, LLC., dated November 2007.

4. Site Management Plan for Hydro-Air Components, Inc., Former Steelfields Area IV Parcel, Brownfields Cleanup Program, NYSDEC Site #C915204, prepared by TurnKey Environmental Restoration, LLC., dated November 2007, amended 25 March 2014.

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TABLES

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-5R																	
Sample Date	Quality Standards	6/25/2007	2/1/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/7/2020	7/12/2021	7/27/2022	9/18/2023
Inorganic Compounds (ug/L)																			
Arsenic, Total	25	ND (20)	ND (20)	**21**	**19.1**	**11.5**	**7.9 J**	**14**	**17**	ND (15)	**5.8 J**	**5.9 J**	ND (15)	ND (15)	ND (15)	**6.61**	**8.2**	**8.33**	**11.01**
Chromium, Total	50	ND (10)	ND (10)	ND (10)	**1.8 J**	**2.1 J**	**1.7 J**	**4.1**	**1.6 J**	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	**1 J**	**0.98 J**	**0.77 J**	**0.51 J**	**3.41**
Lead, Total	25	ND (5)	ND (5)	ND (5)	ND (5)	ND (3)	ND (5)	ND (5)	ND (5)	ND (10)	ND (10)	**3.7 J**	**3.6 J**	ND (10)	ND (10)	**0.7 J**	**0.36 J**	ND (1)	**3.51**
Other																			
Alkalinity, Total (as CaCO3) (ug/L)	-	-	-	-	-	-	-	-	-	-	**508000 B**	**555000 B**	**379000**	**433000 B**	**272000**	**420000**	**438000**	**436000**	**510000**
Cyanide (ug/L)	200	**165**	**400** [A]	**490** [A]	**103**	**482** [A]	**560** [A]	**680** [A]	**260** [A]	**340** [A]	**530** [A]	**920** [A]	**630** [A]	**680** [A]	**470 *** [A]	**350** [A]	**465** [A]	**671** [A]	**379** [A]
pH (lab), Total (SU)	-	-	-	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/L)																			
1,1,1-Trichloroethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,1,2,2-Tetrachloroethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
1,1,2-Trichloroethane	1	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-
1,1-Dichloroethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,1-Dichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
1,2,3-Trichlorobenzene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2,4-Trichlorobenzene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2,4-Trimethylbenzene	5	-	-	**18** [A]	**3.8 J**	**3.8 J**	**18** [A]	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
1,2-Dichlorobenzene	3	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2-Dichloroethane	0.6	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
1,2-Dichloropropane	1	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
1,3,5-Trimethylbenzene	5	-	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichlorobenzene	3	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,4-Dichlorobenzene	3	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,4-Dioxane	-	-	-	-	ND (200)	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	50	ND (10)	ND (10)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
2-Hexanone (Methyl Butyl Ketone)	50	-	ND (10)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	5	-	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (2.5)	ND (2.5)	ND (2.5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	ND (10)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Acetone	50	**6.7 J**	ND (50)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Benzene	1	ND (1)	**7.1** [A]	**8.3** [A]	**5.4** [A]	**8.2** [A]	**13** [A]	ND (10)	**0.6 J**	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**8.4** [A]	**7.1** [A]	ND (0.5)	**1.3** [A]
Bromodichloromethane	50	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Bromoform	50	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Bromomethane (Methyl Bromide)	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Carbon disulfide	60	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Carbon tetrachloride	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Chlorobenzene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chlorobromomethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chloroethane	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chloroform (Trichloromethane)	7	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chloromethane (Methyl Chloride)	5	-	ND (2.5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
cis-1,2-Dichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
cis-1,3-Dichloropropene	0.4	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Cyclohexane	-	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Cymene (p-Isopropyltoluene)	5	-	-	ND (1)	ND (5)	ND (1.6)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (2.5)	ND (2.5)	ND (2.5)
Dibromochloromethane	50	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Dichlorodifluoromethane (CFC-12)	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Ethylbenzene	5	ND (50)	**3.1**	**4.4**	**3.5 J**	ND (3.7)	**9.1** [A]	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Isopropylbenzene (Cumene)	5	-	ND (1)	ND (1)	ND (5)	ND (4)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
m,p-Xylenes	5	-	-	**9.5** [A]	ND (10)	-	-	ND (20)	**0.75 J**	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methyl acetate	-	-	ND (20)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-5R																	
Sample Date	Quality Standards	6/25/2007	2/1/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/7/2020	7/12/2021	7/27/2022	9/18/2023
Methyl Tert Butyl Ether (MTBE)	10	-	ND (1)	ND (1)	ND (5)	ND (0.8)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methylcyclohexane	-	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Methylene chloride (Dichloromethane)	5	-	ND (5)	-	**3 J**	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Naphthalene	10	-	-	**940** [A]	**28** [A]	**29** [A]	**420** [A]	ND (10)	**14** [A]	ND (1)	**2.9**	ND (1)	ND (1)	ND (1)	**0.5 J**	-	ND (2.5)	ND (2.5)	ND (2.5)
n-Butylbenzene	5	-	-	ND (1)	ND (5)	ND (3.2)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (2.5)	ND (2.5)	ND (2.5)
n-Propylbenzene	5	-	-	-	ND (5)	ND (3.4)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (2.5)	ND (2.5)	ND (2.5)
o-Xylene	5	-	-	**16** [A]	ND (5)	-	-	ND (10)	**0.9 J**	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Styrene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
tert-Butylbenzene	5	-	-	ND (1)	ND (5)	ND (4)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (2.5)	ND (2.5)	ND (2.5)
Tetrachloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Toluene	5	ND (100)	ND (5)	**1.6**	ND (5)	ND (2.6)	ND (5)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2.5)	**0.72 J**	ND (2.5)	ND (2.5)
trans-1,2-Dichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
trans-1,3-Dichloropropene	0.4	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Trichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Trichlorofluoromethane (CFC-11)	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Trifluorotrichloroethane (Freon 113)	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Vinyl chloride	2	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
Xylene (Total)	5	ND (5)	**32** [A]	-	ND (10)	-	-	ND (20)	**1.7 J**	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. [A] - Results in red exceed NYSDEC Ambient Water Quality Standards and Guidance Values - Class GA
3. Laboratory Qualifiers definitions:
ND - Not detected above the reporting limit
J - Estimated value

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-7R																	
Sample Date	Quality Standards	6/25/2007	1/31/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/26/2018	12/19/2019	8/6/2020	7/12/2021	7/27/2022	9/18/2023
Inorganic Compounds (ug/L)																			
Arsenic, Total	25	**9.1**	ND (20)	**29** [A]	ND (50)	ND (5.6)	ND (10)	**12**	**11**	**7.3 J**	ND (15)	ND (15)	ND (15)	ND (15)	ND (75)	**5.19**	**3.64**	**4.24**	**4.38**
Chromium, Total	50	**11**	ND (10)	**21**	ND (20)	ND (0.9)	ND (4)	**11**	ND (20)	**9**	**8.2 J**	**7.3**	**6.3 J**	**6.5 J**	ND (20)	**3.29**	**1.95**	**2**	**1.78**
Lead, Total	25	**7.6**	**6.2**	**17**	ND (5)	**4.4 J**	ND (5)	**27** [A]	**23**	ND (50)	ND (50)	**17**	**13 J**	ND (200)	ND (50)	ND (1)	ND (1)	ND (1)	ND (1)
Other																			
Alkalinity, Total (as CaCO3) (ug/L)	-	-	-	-	-	-	-	-	-	-	**28300**	ND (10000)	ND (10000)	**158000 B**	**43800 B**	**230000**	**258000**	**164000**	**220000**
Cyanide (ug/L)	200	**42.9**	**100**	**41**	**39.4**	**64**	**240** [A]	**49**	**91**	**550** [A]	**14**	**66**	**89**	**33**	**74**	**500** [A]	**147**	**419** [A]	**303** [A]
pH (lab), Total (SU)	-	-	-	**6.1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/L)																			
1,1,1-Trichloroethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,1,2,2-Tetrachloroethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
1,1,2-Trichloroethane	1	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (1.5)	-	-	-
1,1-Dichloroethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,1-Dichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
1,2,3-Trichlorobenzene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2,4-Trichlorobenzene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2,4-Trimethylbenzene	5	-	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
1,2-Dichlorobenzene	3	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2-Dichloroethane	0.6	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
1,2-Dichloropropane	1	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
1,3,5-Trimethylbenzene	5	-	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichlorobenzene	3	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,4-Dichlorobenzene	3	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,4-Dioxane	-	-	-	-	ND (200)	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	50	**2.8 J**	ND (10)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
2-Hexanone (Methyl Butyl Ketone)	50	-	ND (10)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	5	-	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	ND (10)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Acetone	50	**11 J**	ND (50)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Benzene	1	**16** [A]	ND (1)	**7.9** [A]	**3.6 J** [A]	**6.4** [A]	**2.3 J** [A]	**3.6 J** [A]	ND (5)	**2.3 J** [A]	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**140** [A]	**17** [A]	ND (0.5)	**5.7** [A]
Bromodichloromethane	50	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Bromoform	50	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Bromomethane (Methyl Bromide)	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Carbon disulfide	60	-	**3.1**	-	**20**	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Carbon tetrachloride	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Chlorobenzene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chlorobromomethane	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chloroethane	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chloroform (Trichloromethane)	7	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chloromethane (Methyl Chloride)	5	-	ND (2.5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
cis-1,2-Dichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
cis-1,3-Dichloropropene	0.4	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Cyclohexane	-	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Cymene (p-Isopropyltoluene)	5	-	-	ND (1)	ND (5)	ND (1.6)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
Dibromochloromethane	50	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Dichlorodifluoromethane (CFC-12)	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Ethylbenzene	5	ND (50)	ND (1)	ND (1)	ND (5)	ND (3.7)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Isopropylbenzene (Cumene)	5	-	ND (1)	ND (1)	ND (5)	ND (4)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
m,p-Xylenes	5	-	-	ND (2)	ND (10)	-	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**0.97 J**	ND (2.5)	ND (2.5)	ND (2.5)
Methyl acetate	-	-	ND (20)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-7R																	
Sample Date	Quality Standards	6/25/2007	1/31/2008	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/26/2018	12/19/2019	8/6/2020	7/12/2021	7/27/2022	9/18/2023
Methyl Tert Butyl Ether (MTBE)	10	-	ND (1)	ND (1)	ND (5)	ND (0.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methylcyclohexane	-	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Methylene chloride (Dichloromethane)	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Naphthalene	10	-	-	ND (5)	ND (5)	ND (2.2)	**3.3 J**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
n-Butylbenzene	5	-	-	ND (1)	ND (5)	ND (3.2)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
n-Propylbenzene	5	-	-	-	ND (5)	ND (3.4)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
o-Xylene	5	-	-	ND (1)	ND (5)	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Styrene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
tert-Butylbenzene	5	-	-	ND (1)	ND (5)	ND (4)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
Tetrachloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Toluene	5	ND (100)	ND (5)	ND (1)	ND (5)	ND (2.6)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**22** [A]	ND (2.5)	ND (2.5)	ND (2.5)
trans-1,2-Dichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
trans-1,3-Dichloropropene	0.4	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Trichloroethene	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (0.5)	-	-	-
Trichlorofluoromethane (CFC-11)	5	-	ND (5)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Trifluorotrichloroethane (Freon 113)	5	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Vinyl chloride	2	-	ND (1)	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (1)	-	-	-
Xylene (Total)	5	**1.4 J**	ND (3)	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. [A] - Results in red exceed NYSDEC Ambient Water Quality Standards and Guidance Values - Class GA
3. Laboratory Qualifiers definitions:
ND - Not detected above the reporting limit
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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-8R																	
Sample Date	Quality Standards	6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/7/2020	7/12/2021	7/27/2022	9/18/2023
Inorganic Compounds (ug/L)																			
Arsenic, Total	25	**24**	**33** [A]	**54** [A]	**39.9** [A]	**36** [A]	**37** [A]	**40** [A]	**34** [A]	**31** [A]	**34** [A]	**35** [A]	**31** [A]	**31** [A]	**25**	**33.88** [A]	**25.08** [A]	**26.59** [A]	**24.16**
Chromium, Total	50	**3.8**	ND (10)	ND (10)	ND (4)	ND (0.9)	ND (4)	**1.7 J**	ND (4)	**1.5 J**	ND (4)	ND (4)	**1.3 J**	ND (4)	ND (4)	**1.2**	**0.74 J**	**0.72 J**	**0.87 J**
Lead, Total	25	ND (5)	**26** [A]	**8.5**	ND (40)	ND (3)	ND (5)	**3.5 J**	ND (5)	ND (10)	**3.3 J**	**7 J**	**4.7 J**	ND (200)	**3.1 J**	ND (1)	ND (1)	ND (1)	ND (1)
Other																			
Alkalinity, Total (as CaCO3) (ug/L)	-	-	-	-	-	-	-	-	-	-	**737000**	**492000 B**	**485000**	**708000 B**	**668000**	**878000**	**645000**	**768000**	**772000**
Cyanide (ug/L)	200	**106**	**86**	**94**	**137**	**91.2**	**140**	**140**	**130**	**120**	**120**	**160**	**120**	**140**	**130**	**111**	**106**	**128**	**136**
pH (lab), Total (SU)	-	-	-	**6.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/L)																			
1,1,1-Trichloroethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,1,2,2-Tetrachloroethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
1,1,2-Trichloroethane	1	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (150)	-	-	-
1,1-Dichloroethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,1-Dichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
1,2,3-Trichlorobenzene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,2,4-Trichlorobenzene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,2,4-Trimethylbenzene	5	-	-	ND (25)	ND (5)	ND (300)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500)	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (200)	-	-	-
1,2-Dichlorobenzene	3	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,2-Dichloroethane	0.6	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
1,2-Dichloropropane	1	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-
1,3,5-Trimethylbenzene	5	-	-	ND (25)	ND (5)	ND (310)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500)	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
1,3-Dichlorobenzene	3	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,4-Dichlorobenzene	3	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (25000)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	50	ND (10)	ND (10)	-	-	-	-	-	-	-	-	-	-	-	-	ND (500)	-	-	-
2-Hexanone (Methyl Butyl Ketone)	50	-	ND (10)	-	-	-	-	-	-	-	-	-	-	-	-	ND (500)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	5	-	-	ND (25)	ND (5)	ND (300)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500) F2	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	ND (10)	-	-	-	-	-	-	-	-	-	-	-	-	ND (500)	-	-	-
Acetone	50	ND (50)	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (500)	-	-	-
Benzene	1	**26000 D** [A]	**20000** [A]	**19000** [A]	**25000** [A]	**32000** [A]	**33000** [A]	**32000** [A]	**27000** [A]	**23000** [A]	**25000** [A]	**24000** [A]	**22000** [A]	**18000** [A]	**8100** [A]	**12000** [A]	**13000** [A]	**11000** [A]	**8500** [A]
Bromodichloromethane	50	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Bromoform	50	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (200)	-	-	-
Bromomethane (Methyl Bromide)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Carbon disulfide	60	-	**3.1**	-	-	-	-	-	-	-	-	-	-	-	-	ND (500)	-	-	-
Carbon tetrachloride	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Chlorobenzene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Chlorobromomethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Chloroethane	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Chloroform (Trichloromethane)	7	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Chloromethane (Methyl Chloride)	5	-	ND (2.5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
cis-1,2-Dichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
cis-1,3-Dichloropropene	0.4	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Cyclohexane	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1000)	-	-	-
Cymene (p-Isopropyltoluene)	5	-	-	ND (25)	ND (5)	ND (120)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500)	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
Dibromochloromethane	50	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Dichlorodifluoromethane (CFC-12)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (500)	-	-	-
Ethylbenzene	5	**38 J** [A]	ND (1)	**25** [A]	**33** [A]	ND (300)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500) F2	ND (50)	ND (500)	ND (200)	ND (250)	ND (250)	ND (250)	ND (250)
Isopropylbenzene (Cumene)	5	-	ND (1)	ND (25)	**2.9 J**	ND (320)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500) F1	ND (50)	ND (500)	ND (200)	ND (250)	ND (250)	ND (250)	ND (250)
m,p-Xylenes	5	-	-	ND (50)	-	-	-	ND (1000)	ND (1000)	ND (1000)	ND (1000)	ND (1000)	ND (100)	ND (1000)	ND (400)	ND (250)	ND (250)	ND (250)	ND (250)
Methyl acetate	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	ND (200)	-	-	-

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-8R																	
Sample Date	Quality Standards	6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/7/2020	7/12/2021	7/27/2022	9/18/2023
Methyl Tert Butyl Ether (MTBE)	10	-	ND (1)	ND (25)	ND (5)	ND (64)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500)	ND (50)	ND (500)	ND (200)	ND (250)	ND (250)	ND (250)	ND (250)
Methylcyclohexane	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (1000)	-	-	-
Methylene chloride (Dichloromethane)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Naphthalene	10	-	-	ND (120)	ND (5)	ND (170)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500)	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
n-Butylbenzene	5	-	-	ND (25)	ND (5)	ND (260)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500) F2	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
n-Propylbenzene	5	-	-	-	ND (5)	ND (280)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500) F2	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
o-Xylene	5	-	-	ND (25)	-	-	-	ND (500)	ND (500)	ND (500)	ND (500)	ND (500)	ND (50)	ND (500)	ND (200)	ND (250)	ND (250)	ND (250)	ND (250)
Styrene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
tert-Butylbenzene	5	-	-	ND (25)	ND (5)	ND (320)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500) F2	ND (50)	ND (500)	ND (200)	-	ND (250)	ND (250)	ND (250)
Tetrachloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Toluene	5	**60 J** [A]	ND (5)	ND (25)	**3.8 J**	ND (200)	ND (100)	ND (500)	ND (500)	ND (500)	ND (500)	ND (500)	ND (50)	ND (500)	ND (200)	ND (250)	ND (250)	ND (250)	ND (250)
trans-1,2-Dichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
trans-1,3-Dichloropropene	0.4	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Trichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Trichlorofluoromethane (CFC-11)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Trifluorotrichloroethane (Freon 113)	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (250)	-	-	-
Vinyl chloride	2	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-	-
Xylene (Total)	5	ND (5)	ND (3)	-	**5.8 J** [A]	-	-	ND (1000)	ND (1000)	ND (1000)	ND (1000)	ND (1000)	ND (100)	ND (1000)	ND (400)	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. [A] - Results in red exceed NYSDEC Ambient Water Quality Standards and Guidance Values - Class GA
3. Laboratory Qualifiers definitions:
ND - Not detected above the reporting limit
J - Estimated value

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-9																	
Sample Date	Quality Standards	6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/7/2020	7/12/2021	7/28/2022	9/18/2023
Inorganic Compounds (ug/L)																			
Arsenic, Total	25	34 [A]	ND (20)	ND (400)	ND (50)	ND (27.8)	**20**	26 [A]	ND (10)	**7.2 J**	ND (15)	**5.6 J**	ND (15)	ND (15)	ND (15)	**18.22**	**8.58**	**12.74**	**15.07**
Chromium, Total	50	170 [A]	**21**	390 [A]	84.3 [A]	68.4 [A]	**30**	**22**	**1.7 J**	**1.3 J**	ND (4)	ND (4)	ND (4)	**1.4 J**	ND (4)	**4.14**	**1.37**	**2.06**	**3.5**
Lead, Total	25	28 [A]	590 [A]	160 [A]	**12 J**	**16.3 J**	**13**	53 [A]	ND (5)	ND (10)	ND (10)	**4.6 J**	ND (10)	ND (200)	ND (10)	**0.6 J**	ND (1)	ND (1)	ND (1)
Other																			
Alkalinity, Total (as CaCO3) (ug/L)	-	-	-	-	-	-	-	-	-	-	**312000**	**303000**	**364000**	**226000 B**	**359000**	**320000**	**390000**	**364000**	**296000**
Cyanide (ug/L)	200	4600 [A]	2700 [A]	4200 [A]	1770 [A]	3610 [A]	7000 [A]	4300 [A]	**190**	280 [A]	250 [A]	420 [A]	450 [A]	1400 [A]	**140**	1760 [A]	896 [A]	2620 [A]	2570 [A]
pH (lab), Total (SU)	-	-	-	**3.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/L)																			
1,1,1-Trichloroethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,1,2,2-Tetrachloroethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,1,2-Trichloroethane	1	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (7.5)	-	-	-
1,1-Dichloroethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,1-Dichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2,3-Trichlorobenzene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,2,4-Trichlorobenzene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,2,4-Trimethylbenzene	5	-	-	ND (100)	ND (10)	ND (150)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,2-Dichlorobenzene	3	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,2-Dichloroethane	0.6	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
1,2-Dichloropropane	1	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
1,3,5-Trimethylbenzene	5	-	-	ND (100)	ND (10)	ND (150)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
1,3-Dichlorobenzene	3	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,4-Dichlorobenzene	3	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (1200)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	50	ND (10)	ND (10)	-	-	-	-	-	-	-	-	-	-	-	-	ND (25)	-	-	-
2-Hexanone (Methyl Butyl Ketone)	50	-	ND (10)	-	-	-	-	-	-	-	-	-	-	-	-	ND (25)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	5	-	-	ND (100)	ND (10)	ND (150)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	ND (10)	-	-	-	-	-	-	-	-	-	-	-	-	ND (25)	-	-	-
Acetone	50	660 J [A]	ND (50)	-	-	-	-	-	-	-	-	-	-	-	-	ND (25)	-	-	-
Benzene	1	18000 D [A]	9400 [A]	13000 [A]	18000 [A]	18000 [A]	13000 [A]	11000 [A]	72 [A]	93 [A]	90 [A]	90 [A]	150 [A]	260 [A]	ND (5)	590 [A]	18 [A]	220 [A]	**0.88**
Bromodichloromethane	50	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Bromoform	50	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Bromomethane (Methyl Bromide)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Carbon disulfide	60	-	**4.2**	-	-	-	-	-	-	-	-	-	-	-	-	**5 J**	-	-	-
Carbon tetrachloride	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Chlorobenzene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Chlorobromomethane	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Chloroethane	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Chloroform (Trichloromethane)	7	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Chloromethane (Methyl Chloride)	5	-	ND (2.5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
cis-1,2-Dichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
cis-1,3-Dichloropropene	0.4	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Cyclohexane	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Cymene (p-Isopropyltoluene)	5	-	-	ND (100)	ND (10)	ND (62)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
Dibromochloromethane	50	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Dichlorodifluoromethane (CFC-12)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (25)	-	-	-
Ethylbenzene	5	ND (50)	ND (1)	ND (100)	ND (10)	ND (150)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	ND (12)	ND (2.5)	ND (5)	ND (2.5)
Isopropylbenzene (Cumene)	5	-	ND (1)	ND (100)	ND (10)	ND (160)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	ND (12)	ND (2.5)	ND (5)	ND (2.5)
m,p-Xylenes	5	-	-	ND (200)	-	-	-	ND (400)	ND (2)	ND (2)	ND (4)	ND (4)	ND (4)	ND (4)	ND (10)	ND (12)	ND (2.5)	ND (5)	ND (2.5)
Methyl acetate	-	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-9																	
Sample Date	Quality Standards	6/25/2007	1/31/2008	6/2/2008	6/26/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/7/2020	7/12/2021	7/28/2022	9/18/2023
Methyl Tert Butyl Ether (MTBE)	10	-	ND (1)	ND (100)	ND (10)	ND (32)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	ND (12)	ND (2.5)	ND (5)	ND (2.5)
Methylcyclohexane	-	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (50)	-	-	-
Methylene chloride (Dichloromethane)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Naphthalene	10	-	-	ND (500)	ND (10)	ND (87)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
n-Butylbenzene	5	-	-	ND (100)	ND (10)	ND (130)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
n-Propylbenzene	5	-	-	-	ND (10)	ND (140)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
o-Xylene	5	-	-	ND (100)	-	-	-	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	ND (12)	ND (2.5)	ND (5)	ND (2.5)
Styrene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
tert-Butylbenzene	5	-	-	ND (100)	ND (10)	ND (160)	ND (5)	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	-	ND (2.5)	ND (5)	ND (2.5)
Tetrachloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Toluene	5	**230 J [A]**	**11 [A]**	**160 [A]**	**270 [A]**	**280 [A]**	**150 [A]**	ND (200)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (5)	ND (12)	ND (2.5)	ND (5)	ND (2.5)
trans-1,2-Dichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
trans-1,3-Dichloropropene	0.4	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Trichloroethene	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (2.5)	-	-	-
Trichlorofluoromethane (CFC-11)	5	-	ND (5)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Trifluorotrichloroethane (Freon 113)	5	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (12)	-	-	-
Vinyl chloride	2	-	ND (1)	-	-	-	-	-	-	-	-	-	-	-	-	ND (5)	-	-	-
Xylene (Total)	5	ND (5)	ND (3)	-	ND (20)	-	-	ND (400)	ND (2)	ND (2)	ND (4)	ND (4)	ND (4)	ND (4)	ND (10)	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. [A] - Results in red exceed NYSDEC Ambient Water Quality Standards and Guidance Values - Class GA
3. Laboratory Qualifiers definitions:
ND - Not detected above the reporting limit
J - Estimated value

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-10																
Sample Date	Quality Standards	6/25/2007	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/6/2020	7/12/2021	7/27/2022	9/18/2023
Inorganic Compounds (ug/L)																		
Arsenic, Total	25	**6.1**	**26** [A]	**13.1**	**8.3 J**	**7.4 J**	**13**	**8.8 J**	**7.8 J**	**8 J**	**8.9 J**	**11 J**	**10 J**	**43** [A]	**5.47**	**4.33**	**4.38**	**3.95**
Chromium, Total	50	ND (10)	ND (10)	ND (4)	ND (0.9)	ND (4)	**2.1 J**	**2.4 J**	**1.4 J**	ND (4)	ND (4)	ND (4)	ND (4)	**3.6 J**	**0.98 J**	**0.42 J**	**0.46 J**	**0.44 J**
Lead, Total	25	ND (5)	ND (5)	ND (5)	ND (3)	ND (5)	ND (5)	ND (5)	**3.7 J**	ND (10)	**5.1 J**	ND (10)	ND (20)	**9.3 J**	**0.92 J**	**0.67 J**	**1.6**	**3.11**
Other																		
Alkalinity, Total (as CaCO3) (ug/L)	-	-	-	-	-	-	-	-	-	**1220000**	**1200000**	**1100000**	**1170000 B**	**1040000**	**854000**	**709000**	**703000**	**926000**
Cyanide (ug/L)	200	**108**	**73**	**35.7**	**51**	**110**	**110**	**96**	**86**	**55**	**88**	**79**	**73**	**61**	**61**	**43**	**34**	**50**
pH (lab), Total (SU)	-	-	**6.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/L)																		
1,1,1-Trichloroethane	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,1,2,2-Tetrachloroethane	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
1,1,2-Trichloroethane	1	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (6)	-	-	-
1,1-Dichloroethane	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,1-Dichloroethene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
1,2,3-Trichlorobenzene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,2,4-Trichlorobenzene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,2,4-Trimethylbenzene	5	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (8)	-	-	-
1,2-Dichlorobenzene	3	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,2-Dichloroethane	0.6	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
1,2-Dichloropropane	1	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-
1,3,5-Trimethylbenzene	5	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichlorobenzene	3	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,4-Dichlorobenzene	3	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
1,4-Dioxane	-	-	-	ND (200)	-	-	-	-	-	-	-	-	-	-	ND (1000)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	50	ND (10)	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-
2-Hexanone (Methyl Butyl Ketone)	50	-	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	5	-	ND (1)	ND (5)	ND (3.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	ND (25)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-
Acetone	50	**5.8 J**	-	ND (25)	-	-	-	-	-	-	-	-	-	-	**7.4 J**	-	-	-
Benzene	1	ND (1)	ND (1)	ND (5)	ND (2)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**41** [A]	ND (5)	**370** [A]	**9.3** [A]	ND (0.5)	**1.6** [A]
Bromodichloromethane	50	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Bromoform	50	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (8)	-	-	-
Bromomethane (Methyl Bromide)	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Carbon disulfide	60	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-
Carbon tetrachloride	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Chlorobenzene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Chlorobromomethane	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Chloroethane	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Chloroform (Trichloromethane)	7	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Chloromethane (Methyl Chloride)	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
cis-1,2-Dichloroethene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
cis-1,3-Dichloropropene	0.4	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Cyclohexane	-	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (40)	-	-	-
Cymene (p-Isopropyltoluene)	5	-	ND (1)	ND (5)	ND (1.6)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
Dibromochloromethane	50	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Dichlorodifluoromethane (CFC-12)	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (20)	-	-	-
Ethylbenzene	5	ND (50)	ND (1)	ND (5)	ND (3.7)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (2.5)	ND (2.5)	ND (2.5)
Isopropylbenzene (Cumene)	5	-	ND (1)	ND (5)	ND (4)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (2.5)	ND (2.5)	ND (2.5)
m,p-Xylenes	5	-	ND (2)	ND (10)	-	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (2.5)	ND (2.5)	ND (2.5)
Methyl acetate	-	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (8)	-	-	-

TABLE I
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
HYDROAIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Ambient Water	A4-MW-10																
Sample Date	Quality Standards	6/25/2007	6/2/2008	6/25/2009	6/28/2010	6/28/2011	7/5/2012	7/1/2013	6/2/2014	6/25/2015	6/22/2016	6/22/2017	6/25/2018	12/19/2019	8/6/2020	7/12/2021	7/27/2022	9/18/2023
Methyl Tert Butyl Ether (MTBE)	10	-	ND (1)	ND (5)	ND (0.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (2.5)	ND (2.5)	ND (2.5)
Methylcyclohexane	-	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (40)	-	-	-
Methylene chloride (Dichloromethane)	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Naphthalene	10	-	**7.3**	ND (5)	ND (2.2)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
n-Butylbenzene	5	-	ND (1)	ND (5)	ND (3.2)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
n-Propylbenzene	5	-	-	ND (5)	ND (3.4)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
o-Xylene	5	-	ND (1)	ND (5)	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (2.5)	ND (2.5)	ND (2.5)
Styrene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
tert-Butylbenzene	5	-	ND (1)	ND (5)	ND (4)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (2.5)	ND (2.5)	ND (2.5)
Tetrachloroethene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Toluene	5	ND (100)	ND (1)	ND (5)	ND (2.6)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**40** [A]	ND (2.5)	ND (2.5)	ND (2.5)
trans-1,2-Dichloroethene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
trans-1,3-Dichloropropene	0.4	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Trichloroethene	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-	-
Trichlorofluoromethane (CFC-11)	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Trifluorotrichloroethane (Freon 113)	5	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (10)	-	-	-
Vinyl chloride	2	-	-	ND (5)	-	-	-	-	-	-	-	-	-	-	ND (4)	-	-	-
Xylene (Total)	5	ND (5)	-	ND (10)	-	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. [A] - Results in red exceed NYSDEC Ambient Water Quality Standards and Guidance Values - Class GA
3. Laboratory Qualifiers definitions:
ND - Not detected above the reporting limit
J - Estimated value

TABLE II
SUMMARY OF ORC IN-SITU REMEDIATION WELL FIELD PARAMETER MEASUREMENTS
HYDRO-AIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Sample Date	Parameter (Unit):	Conductivity (µS)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH (s.u.)	Temperature (Deg C)	Turbidity (NTU)	Alkalinity (mg/L)	Appearance (visual)
A4-ORC-1	7/12/2007		3110	8.15	235	2.34	22.9	190	38	brown
	2/4/2008		36600	10.49	155	3.78	3.3	23.1	170	yellow-brown
	6/3/2008		34500	7.26	209	3.49	13.6	176	-	yellow-brown
	6/26/2009		28000	1.55	330	5	17	6.17	-	amber
	6/29/2010		28300	0.44	344	4.07	18	9	-	dark amber
	6/28/2011		27300	0.54	58	3.5	17.8	8.2	-	amber
	7/6/2012		26800	0.49	190	2.9	19.9	2.46	-	amber
	7/2/2013		27400	0.67	267	3.01	18.6	3.2	-	amber
	6/3/2014		82790	0.84	-41	6.13	17.1	33.1	-	amber
	6/26/2015		22000	0.95	250	2.93	18.6	1.17	-	amber
	6/23/2016		28000	0.78	227	3.66	16	2.6	-	amber
	6/23/2017		23500	0.81	178	2.83	17.1	0.82	-	amber
	6/26/2018		21270	0.7	39	5.7	16.9	2.53	-	amber
	12/19/2019		26370	3.64	217	5.21	5.6	7.9	-	-
	8/6/2020		22400	1.36	188	3.61	20.54	235	1000	-
	7/7/2021		25800	6.1	220	3.66	14.43	14.3	0	-
	7/28/2022		26600	0.52	238	3.93	16.36	199	1000	-
	9/19/2023		29834	4.6	238.5	3.43	14.4	11.6	1000	green-brown
A4-ORC-2	7/12/2007		3880	9.05	383	1.96	19.1	130	6	brown
	2/4/2008		41700	0.33	358	1.73	6.4	99.8	-	-
	6/3/2008		46500	7.78	387	1.72	14.2	62.3	-	dark brown
	6/26/2009		34500	1	466	4.31	16.1	50.8	-	tan/amber
	6/29/2010		40000	0.46	443	2.64	17.5	5.01	-	amber
	6/28/2011		17800	0.34	352	2.3	16	29.1	-	amber
	7/6/2012		27500	0.53	388	1.4	20.1	11.63	-	dark amber
	7/2/2013		27300	0.32	461	1.81	17.84	18.6	-	amber
	6/3/2014		298800	-0.5	398	2.37	16	19.7	-	amber
	6/26/2015		32100	0.65	355	2.14	17.9	3.27	-	amber
	6/23/2016		34590	0.56	288	3.09	16.6	3.91	-	amber
	6/23/2017		22100	0.56	210	2.68	17.8	0.65	-	amber
	6/26/2018		20580	0.46	318	3.91	16.9	4.8	-	amber
	12/19/2019		23110	4.32	389	2.95	4.8	13.7	-	orange tint
	8/6/2020		27200	0.24	281	3.17	21.93	204	1000	-
	7/7/2021		39400	3.35	238	3.21	17.42	21.8	0	-
	7/28/2022		27700	2.4	325	3.62	17.9	105	1000	-
	9/19/2023		35418	3.67	296.9	3.36	15.6	12.4	1000	green
A4-ORC-3	7/12/2007		3440	9.99	140	2.71	17.9	780	56	brown
	2/4/2008		39700	5.53	263	3.25	7.2	>800	357	-
	6/3/2008		38200	1.05	235	3.45	11.7	92.7	-	yellow-brown
	6/25/2009		32900	0.47	134	5.39	19.72	152	-	orange
	6/29/2010		28000	1.63	174	5.55	15.6	248	-	orange
	6/28/2011		28800	1.95	174	5.75	15.3	87.5	-	orange
	7/6/2012		26900	1.38	296	3.89	18.5	68.9	-	orange
	7/2/2013		19700	0.35	302	4.96	20.5	39	-	amber
	6/3/2014		263200	0.23	241	3.4	17.2	4.7	-	amber
	6/26/2015		21490	0.25	217	4.02	17.5	6.73	-	amber
	6/23/2016		23900	0.2	127	4.07	16	1.7	-	amber
	6/23/2017		21400	0.49	110	5.38	17.2	2.72	-	amber
	6/26/2018		28270	0.13	239	3.21	17.8	1.95	-	amber
	12/19/2019		24270	1.99	41	5.57	7.4	1297	-	red/orange
	8/6/2020		14100	0.85	145	5.13	23.02	201	1000	-
	7/7/2021		17400	8.42	259	4.09	16.28	356	180	-
	7/28/2022		19100	2.98	111	5.46	18.12	>1000	1000	-
	9/19/2023		18687	4.31	93.7	5.16	15.7	24.2	1000	rusty

Notes:
1. EnSol Environmental Solutions, Ltd. conducted the 25 June 2007 sampling event.
2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
3. TestAmerica Buffalo conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012, 1-2 July 2013, 2-3 June 2014, 25-26 June 2015, 22-23 June 2016, 22-23 June 2017, 25-26 June 2018, and 19 December 2019 sampling events. NW Contracting conducted the August 2020, July 2021, July 2022, and September 2023 sampling events.
4. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.
5. - indicates not analyzed.

TABLE III
SUMMARY OF MONITORING WELL FIELD PARAMETER MEASUREMENTS
HYDRO-AIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Sample Date	Parameter (Unit):	Conductivity (µS)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH (s.u.)	Temperature (Deg C)	Turbidity (NTU)	Alkalinity (mg/L)	Carbon Dioxide (mg/L)	Appearance (visual)
		Class GA GWQS/GV:	na	na	na	6.5-8.5	na	na	na	na	na
A4-MW-5R	6/25/2007		2265	-	70	6.55	15.9	36	-	-	clear
	6/25/2007		2287	-	74	6.61	17.4	22.5	-	-	clear
	2/1/2008		2740	0.41	-73	6.8	6.3	13.5	765	170	-
	6/2/2008		3090	0.37	-142	6.71	12.3	9.4	660	490	orange tint
	6/25/2009		1920	0.3	-48	6.82	16.87	5.86	629	155	lt.brown tint
	6/28/2010		2390	0.37	-39	7.36	18.1	6.42	780	25	tan tint
	6/28/2011		2590	0.65	-183	7.2	15.5	3.2	680	700	slight yellow tint
	7/5/2012		2570	0.92	-22	6.77	19.07	1.36	884	50	-
	7/1/2013		8240	0.53	-7	**6.14**	15.5	3.9	289	42	-
	6/2/2014		858	0.68	37	7.05	16.4	4.41	357	42.5	-
	6/25/2015		1541	0.67	-73	7.18	15.3	2.86	-	125	-
	6/22/2016		1547	0.74	57	7.27	15.2	3.77	-	160	-
	6/22/2017		1022	0.79	142	6.63	15.7	3.29	-	120	-
	6/25/2018		1234	3.2	35	7.39	18	1.8	-	220	-
	12/19/2019		696	6.26	-6	7.43	9.4	3.7	-	-	clear
	8/7/2020		886	0.4	-66	**6.15**	20.61	0	550	-	slight gray
	7/12/2021		869	4.24	-89	7.47	15.13	1.4	397	192	-
	7/27/2022		1130	11.86	-68	7.85	16.65	20.2	500	202	-
	9/18/2023		1411	8.45	-88.6	7.44	16.6	5.46	520	235	-
A4-MW-7R	6/25/2007		3276	-	-73	**6.17**	18	61	-	-	cloudy
	6/25/2007		3150	-	-98	**6.33**	18.1	21.6	-	-	-
	1/31/2008		3280	0.59	-146	6.93	6.5	31.2	340	260	-
	6/2/2008		4290	0.35	-91	**5.97**	11.4	29.8	280	0	orange tint
	6/25/2009		3740	0.15	-40	**6.31**	18.34	19.3	323	425	yellow tint
	6/28/2010		4950	0.11	7	**6.02**	15.8	15.04	420	445	yellow tint
	6/28/2011		4950	0.22	-82	**5.85**	16.6	9.5	400	375	slight sheen in bucket
	7/5/2012		4990	0.45	4	**5.23**	19.4	6.17	289	375	sheen
	7/1/2013		4946	0.34	12	**4.76**	16.02	13.9	289	389	-
	6/2/2014		4726	0.33	-37	**5.61**	14.6	16.45	221	275	-
	6/25/2015		3395	0.31	-5	**5.67**	13.6	3.58	-	275	-
	6/22/2016		5200	0.17	-30	7.1	14.1	2.9	-	300	-
	6/22/2017		3086	0.14	-29	**6.49**	14.4	3.26	-	290	-
	6/26/2018		5105	0.27	-21	7.12	13.5	0.78	-	305	-
	12/19/2019		4507	3.16	12	**5.83**	8.9	16.5	-	-	clear
	8/6/2020		3390	0.43	0.49	**5.69**	15.8	0	310	-	-
	7/12/2021		2600	3.16	-74	6.6	13.38	0	323	200	-
	7/27/2022		3700	3.86	-63	6.84	16.55	2.5	340	184	-
	9/18/2023		3248	2.22	-62.9	6.59	15.8	4.23	360	202	-
A4-MW-8R	6/25/2007		4102	-	-50	**6.38**	17.3	79	-	-	cloudy
	6/25/2007		4001	-	-65	**6.47**	18.4	43.6	-	-	cloudy
	1/31/2008		4630	0.67	-78	**6.31**	7	84.6	748	0	-
	6/2/2008		4840	0.32	-68	**6.02**	12.5	27.5	600	0	clear
	6/26/2009		4670	0.26	56	6.5	16.3	8.54	816	550	clear
	6/28/2010		4730	0.14	-22	6.51	18.8	3.88	840	75	clear
	6/28/2011		4650	0.37	-67	6.84	17	1.5	920	160	clear
	7/5/2012		4510	0.34	-35	**5.87**	19.5	4.2	799	195	-
	7/1/2013		3490	0.21	-6	**5.69**	15.68	1.9	765	175	-
	6/2/2014		3087	0.71	-	**6.49**	16.6	18.91	714	175	-
	6/25/2015		4188	0.71	-40	**6.34**	15.2	3.14	-	180	-
	6/22/2016		4767	0.48	-32	6.59	13.4	1.93	-	195	-
	6/22/2017		2965	0.49	-39	6.51	14	2.66	-	210	-
	6/25/2018		4633	3.96	-65	**6.45**	16.4	4.12	-	210	-
	12/19/2019		4543	5.21	-35	7.12	8.4	4.4	-	-	clear
	8/7/2020		4630	1.3	-49	**5.53**	15.07	0	760	-	slight gray
	7/12/2021		3980	3.85	-57	6.55	12.81	0.5	929	156	slight yellow
	7/27/2022		5730	3.41	-46	6.89	15.62	6	750	162	-
	9/18/2023		5414	2.99	-31	**6.29**	14.3	22	780	183	-

TABLE III
SUMMARY OF MONITORING WELL FIELD PARAMETER MEASUREMENTS
HYDRO-AIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

Location	Sample Date	Parameter (Unit):	Conductivity (µS)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH (s.u.)	Temperature (Deg C)	Turbidity (NTU)	Alkalinity (mg/L)	Carbon Dioxide (mg/L)	Appearance (visual)
		Class GA GWQS/GV:	na	na	na	6.5-8.5	na	na	na	na	na
A4-MW-9	6/25/2007		11150	-	207	**3.99**	18.5	383	-	-	turbid
	6/25/2007		11200	-	206	**3.96**	18.3	69.3	-	-	turbid
	1/31/2008		8280	0.95	127	**4.23**	6.4	36.7	68	0	-
	6/2/2008		11900	7.93	157	**3.9**	11.4	10.9	60	0	clear
	6/26/2009		9490	0.2	137	**5.91**	15.7	10.05	34	300	yellow tint
	6/28/2010		8700	0.1	83	**4.53**	17.6	4.92	31	315	yellow tint
	6/28/2011		3440	0.24	-42	**5.85**	18.1	5	40	513	clear
	7/5/2012		4820	0.29	-23	**5.15**	21.2	18.9	68	581	-
	7/1/2013		14400	0.12	-20	**6.31**	15.63	5.23	542	289	-
	6/2/2014		1692	0.71	-93	7.15	14.1	12.99	187	542	-
	6/25/2015		1962	0.7	-139	7.48	15.8	2.06	-	485	-
	6/22/2016		2187	0.54	-41	7.71	14.3	3.54	-	495	-
	6/22/2017		2006	0.57	-18	7.36	14.6	3.18	-	285	-
	6/25/2018		4035	2.29	-87	6.8	14.5	2.22	-	525	-
	12/19/2019		1321	6.27	-72	**8.63**	6.2	8.4	-	-	orange tint
	8/7/2020		4290	0.33	-68	**5.8**	19.75	2.5	650	-	gray tint
	7/12/2021		3230	8.01	-103	6.91	12.91	0.4	491	206	-
	7/28/2022		4990	3.7	-88	7.19	14.68	8.4	620	221	-
	9/18/2023		5632	2.92	-55.9	**6.44**	14.1	13.9	700	257	-
A4-MW-10	6/25/2007		3009	-	-81	6.73	16.7	16.9	-	-	clear
	6/25/2007		2931	-	-91	6.88	18.4	22.8	-	-	clear
	6/2/2008		3140	0.46	-24	6.4	11.1	43	560	422	clear
	6/25/2009		2400	0.15	-5	6.65	17	10.8	969	505	clear
	6/28/2010		2110	0.1	-38	7.13	18	7.5	1100	45	clear
	6/28/2011		2340	0.33	-98	6.88	16.1	5.3	1160	65	clear
	7/5/2012		2440	0.39	-56	**6.41**	19.5	6.54	1105	55	-
	7/1/2013		2820	0.46	7	**6.04**	14.81	6.5	2773	55	-
	6/2/2014		2317	0.39	-111	7.04	17.9	1.68	1105	47	-
	6/25/2015		2440	0.4	-79	6.9	13.1	1.54	-	195	-
	6/22/2016		2986	0.27	-71	7.23	13	0.98	-	200	-
	6/22/2017		2883	0.26	-14	6.82	16.1	3.89	-	210	-
	6/25/2018		3307	3.56	-79	7	16.3	4.86	-	600	-
	12/19/2019		3172	4.35	-49	6.88	7.5	40.6	-	-	orange tint
	8/6/2020		1960	0.53	-80	**6.19**	14.93	12.9	1030	-	clear
	7/12/2021		1310	2.66	-101	7.4	13.47	2.9	824	570	-
	7/27/2022		1620	3.13	-132	7.66	15.8	9.7	1000	664	-
	9/18/2023		1979	1.74	-80.8	7.09	15.6	5.31	870	630	-

Notes:
1. Benchmark Environmental Engineering & Science conducted the 25 June 2007 sampling event.
2. Haley & Aldrich completed the February and June 2008 groundwater monitoring events.
3. TestAmerica Buffalo conducted the 25-26 June 2009, 28-29 June 2010, 28-29 June 2011, 5-6 July 2012, 1-2 July 2013, 2-3 June 2014, 25-26 June 2015, 22-23 June 2016, 22-23 June 2017, 25-26 June 2018, and 19 December 2019 sampling events. NW Contracting conducted the August 2020, July 2021, July 2022, and September 2023 sampling events.
4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations (June 1998).
5. na indicates no Class GA GWQS or GV has been established for this compound.
6. - indicates not analyzed.
7. **Bold** results indicate results outside the range of the GWQS/GV.
8. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.

TABLE IV
SUMMARY OF GROUNDWATER DEPTH AND ELEVATION
HYDRO-AIR COMPONENTS, INC
100 RITTLING BLVD
BUFFALO, NEW YORK
NYSDEC SITE #C915204

	AREA IV - Monitoring Wells										AREA IV - In-Situ Remediation Wells					
Monitoring Location	A4-MW-5R		A4-MW-7R		A4-MW-8R		A4-MW-9		A4-MW-10		A4-ORC-1		A4-ORC-2		A4-ORC-3	
TOR Elevation[1] (fmsl)	584.23		584.95		586.53		587.1		586.55		584.75		585.11		585.06	
Total Depth[2] (fbTOR)	11.55		13.6		15.2		13.4		15.6		14.4		14.62		14.3	
	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev
June/July 2007	4.89	579.34	4.36	580.59	5.51	581.02	7.73	579.37	7.15	579.4	9.27	575.48	6	579.11	6.68	578.38
Jan/Feb 2008	4.47	579.76	3.52	581.43	5.42	581.11	5.8	581.3	NM	NM	4.53	580.22	6.27	578.84	5.25	579.81
June 2008	4.69	579.54	3.85	581.1	5.3	581.23	6.11	580.99	6.7	579.85	3.97	580.78	3.87	581.24	4.66	580.4
June 2009	4.64	579.59	3.72	581.23	5.16	581.37	6.56	580.54	6.96	579.59	4.39	580.36	2.82	582.29	5.16	579.9
June 2010	4.4	579.83	3.28	581.67	4.6	581.93	4.58	582.52	6.29	580.26	2.6	582.15	1.92	583.19	3.57	581.49
June 2011	4.38	579.85	3.18	581.77	4.49	582.04	4.39	582.71	5.69	580.86	2.65	582.1	0.96	584.15	3.55	581.51
July 2012	5.11	579.12	4.52	580.43	8.2	578.33	4.39	582.71	8.41	578.14	4.66	580.09	2.08	583.03	5.82	579.24
July 2013	4.5	579.73	3.62	581.33	3.74	582.79	4.45	582.65	6.08	580.47	2.91	581.84	1.23	583.88	3.55	581.51
June 2014	4.61	579.62	3.73	581.22	4.99	581.54	4.87	582.23	6.37	580.18	3.53	581.22	1.52	583.59	2.9	582.16
June 2015	4.71	579.52	3.64	581.31	4.98	581.55	4.92	582.18	6.3	580.25	3.53	581.22	1.52	583.59	2.9	582.16
June 2016	4.93	579.3	4.36	580.59	5.73	580.8	6.51	580.59	8.13	578.42	4.65	580.1	2.24	582.87	5.62	579.44
June 2017	4.63	579.6	3.89	581.06	5.24	581.29	5.61	581.49	7.08	579.47	3.81	580.94	1.37	583.74	5.28	579.78
June 2018	4.61	579.62	3.5	581.45	4.89	581.64	5.62	581.48	6.38	580.17	4.95	579.8	1.18	583.93	3.81	581.25
Dec 2019	4.32	579.91	3.05	581.9	4.54	581.99	3.95	583.15	5.7	580.85	2.94	581.81	3.41	581.7	3.03	582.03
Aug 2020	5	579.23	3.6	581.35	5	581.53	6.05	581.05	6.65	579.9	4.42	580.33	1.5	583.61	6	579.06
July 2021	4.81	579.42	3.38	581.57	5	581.53	6.08	581.02	5.99	580.56	4.48	580.27	1.18	583.93	5.92	579.14
July 2022	4.92	579.31	3.91	581.04	5.35	581.18	6.17	580.93	6.7	579.85	4.3	580.45	1.7	583.41	6.05	579.01
Sept 2023	3.85	580.38	3.91	581.04	5.34	581.19	5.9	581.2	6.68	579.87	4.12	580.63	2.52	582.59	5.52	579.54

Notes:
1. Elevations at most wells were surveyed on June 5, 2007 and at A4-MW-5R on August 1, 2007 by Niagara Boundary.
2. Total depths measured in September 2023 by NW Contracting personnel.
3. DTW measurements were obtained on January 31, 2008, February 1, 2008, February 4, 2008, June 2, 2008 and June 3, 2008 by Haley & Aldrich of New York, based on surveyed well elevations.
4. June/July 2007 DTW measurements were obtained by Benchmark Environmental Engineering & Science and EnSol Environmental Solutions, Ltd. based on surveyed well elevations.
5. DTW measurements were obtained on June 25, 2009, June 28, 2010, June 28, 2011, July 5, 2012, July 1, 2013, June 2, 2014, June 25, 2015, June 22, 2016, June 22, 2017, 25-26 June 2018, and December 2019 by Test America Buffalo, based on surveyed well elevations.
6. DTW measurements were obtained in August 2020, July 2021, July 2022, and September 2023 by NW Contracting.
7. This table has been adapted from the Draft First Semi-Annual Long-Term Groundwater Monitoring Report (June 2007) by Benchmark Environmental Engineering & Science, PLLC.
8. DTW measured in fb TOR. GW Elev shown in (fmsl).

Definitions:
DTW = depth to water
fmsl = feet above mean sea level
fbTOR = feet below top of riser
TOR = top of riser
GW Elev = Groundwater Elevation
ORC = oxygen releasing compound
R = replacement well

TABLE V
2022-2024 PRR - STORMWATER POND MONITORING FORM
HYDRO-AIR COMPONENTS, INC.
BUFFALO, NEW YORK
BCP SITE # C915204

In accordance with the Corrective Measures Report (dated 14 December 2012) and the Revised Site Management Plan (dated 25 March 2014) the following pond paramaters have been monitored:

Data Collection Completed By:	Date of Measurment (DD/MM/YR)	Time of Measurement	Estimated Quantity of Water Discharged (Gallons)[3]	Measurement Location						Conditions at Pond (color, vegetation, odor, frozen, etc.)
				Discharge Pipe		Northern Embayment		Main Pond (Combined Sample)[1]		
				pH	Temp (F)	pH	Temp (F)	pH	Temp (F)	
Dale Barto	4/28/2022	9:30 AM	155,400	10.0	40	7.1	41	6.0	42	
Dale Barto	5/25/2022	9:00 AM	43,900	11.0	68	6.0	66	6.0	69	
Dale Barto	6/29/2022	9:00 AM	55,300	10.0	65	6.0	64	6.0	68	
Pete Pike	7/25/2022	9:00 AM	32,120	8.0	72	7.0	70	6.0	70	
Pete Pike	8/29/2022	9:00 AM	20,100	7.0	69	7.0	69	6.0	70	
Pete Pike	9/29/2022	9:00 AM	82,200	7.0	48	6.0	46	6.0	46	
Pete Pike	10/26/2022	9:00 AM	95,400	8.0	56	7.0	57	7.0	54	
Pete Pike	11/29/2022	9:00 AM	362,200	11.0	39	7.0	46	6.0	34	
Pete Pike	12/22/2022	9:00 AM	318,200	-	-	-	-	-	-	Frozen
Pete Pike	1/31/2023	9:00 AM	50,300	-	-	-	-	-	-	Frozen
Pete Pike	2/28/2023	9:00 AM	196,300	-	-	-	-	-	-	Frozen
Pete Pike	3/30/2023	9:00 AM	275,400	-	-	-	-	-	-	Frozen
Pete Pike	4/27/2023	9:00 AM	257,500	10.0	51	8.5	47	6.0	47	
Pete Pike	5/26/2023	9:00 AM	99,300	10.0	68	9.0	65	6.0	66.5	
Pete Pike	6/28/2023	9:00 AM	48,700	7.5	71	6.0	79	7.5	69.5	
Pete Pike	7/31/2023	9:00 AM	57,100	6.0	68	6.0	66	6.5	67.5	
Pete Pike	8/31/2023	9:00 AM	51,600	7.5	59	7.5	58	6.0	58	
Pete Pike	9/28/2023	9:00 AM	43,800	7.0	44	7.5	42	5.5	40	
Pete Pike	10/26/2023	9:00 AM	40,500	6.5	44	7.0	43	6.0	40.5	
J. Stephens	11/27/2023	9:00 AM	348,400	10.0	44	9.0	44	6.0	39.5	
J. Stephens	12/28/2023	9:00 AM	159,300	-	-	-	-	-	-	Frozen
J. Stephens	1/30/2024	9:00 AM	309,200	-	-	-	-	-	-	Frozen
J. Stephens	2/26/2024	9:00 AM	170,000	10.0	39.5	7.0	38.8	5.0	37.8	
J. Stephens	3/28/2024	9:00 AM	123,800	10.0	51.4	6.0	47.4	5.0	42.6	
Total Reporting Period Discharge:			3,396,020							

All pH values will be evaluated against the NYSDEC TOGS 1.1.1 ambient water quality guidance value of pH 8.5 selected for protection of public health
Exceedance of the guidance value (8.5) for > 3 consecutive monitoring events (combined sample) will trigger enhancements as descirbed in Section IV of the SMP.

Notes or Other Observations:

1. Combined sample represents the combination of the sample point at the midpoint of the main pond and the sample point near the pond outlet pipe of the main pond. These pond samples are combined in the field to provide a representative pH value for the main pond area.
If separate measurements are recorded for the main pond and outlet pipe, the measurement values are averaged.
2. pH measurements were collected using testing strips.
3. Water discharged is measured using a Keyence FD-Q clamp-on flow sensor. Presented values represent monthly totals reported by HydroAir personnel.
The flow sensor is reset monthly.

FIGURES

HALEY ALDRICH

HYDRO-AIR COMPONENTS, INC.
100 RITTLING BOULEVARD
BUFFALO, NEW YORK

PROJECT LOCUS

MAP SOURCE: ESRI
SITE COORDINATES: 42°50'54"N, 78°50'24"W

APPROXIMATE SCALE: 1 IN = 2000 FT
APRIL 2024

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\129356 - HydroAir (2017-)\GLOBAL\GIS\Maps\2024_04\129356_014_0001_PROJECT_LOCUS.mxd — USER: anichols — LAST SAVED: 4/4/2024 1:34:50 PM

LEGEND

- MONITORING WELL, HYDRO-AIR PROPERTY
- ORC WELL, HYDRO-AIR PROPERTY
- RETENTION POND MONITORING LOCATION
- MONITORING WELL, STEELFIELDS III PROPERTY
- ORC WELL, STEELFIELDS III PROPERTY
- FENCE
- PLANT AREA
- APPROXIMATE TAR AND BLUE SOIL/FILL EXCAVATION LIMITS
- POND
- STORMWATER PIPE
- RAILROAD
- TAX PARCEL BOUNDARY
- HYDRO-AIR (STEELFIELDS AREA
- STEELFIELDS AREA III

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TAX PARCEL DATA SOURCE: ERIE COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, MARCH 2020

N

0 200 400

SCALE IN FEET

HALEY ALDRICH

HYDRO-AIR COMPONENTS, INC.
100 RITTLING BOULEVARD
BUFFALO, NEW YORK

SITE PLAN

APRIL 2024

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\129356 - HydroAir (2017-)\GLOBAL\GIS\Maps\2024_04\129356_014_0002_SITE_PLAN.mxd — USER: anichols — LAST SAVED: 4/4/2024 1:51:44 PM

LEGEND

- MONITORING WELL, HYDRO-AIR PROPERTY
- ORC WELL, HYDRO-AIR PROPERTY
- APPROXIMATE TAR AND BLUE SOIL/FILL EXCAVATION LIMITS
- FENCE
- RAILROAD
- CURRENT HYDRO-AIR (STEELFIELDS AREA IV) BCP SITE BOUNDARY
- STEELFIELDS AREA III
- PLACEMENT OF 1-FT COVER AS PART OF CMWP
- REMEDIAL COVER EXISTS, NO ADDITIONAL COVER PLACEMENT AS PART OF CMWP
- APPROXIMATE AREA BURDENED BY NIMO AND BRPRR EASEMENTS, NO REMEDIAL COVER REQUIRED BY NYSDEC

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TAX PARCEL DATA SOURCE: ERIE COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 2 APRIL 2023

N

0 120 240

SCALE IN FEET

HALEY ALDRICH

HYDRO-AIR COMPONENTS, INC.
100 RITTLING BOULEVARD
BUFFALO, NEW YORK

CORRECTIVE MEASURES SITE PLAN

APRIL 2024

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\129356 - HydroAir (2017-)\GLOBAL\GIS\Maps\2024_04\129356_015_0003_AREAS_REQUIRING_1FT_CLEAN_COVER.mxd — USER: anichols — LAST SAVED: 4/29/2024 12:57:09 PM

LEGEND

- MONITORING WELL, HYDRO-AIR PROPERTY, WITH GROUNDWATER ELEVATION IN FEET
- ORC SOCK WELL, HYDRO-AIR PROPERTY, WITH GROUNDWATER ELEVATION IN FEET
- MONITORING WELL, STEELFIELDS AREA III PROPERTY
- ORC SOCK WELL, STEELFIELDS AREA III PROPERTY
- FENCE
- GROUNDWATER ELEVATION CONTOUR, JULY 2022, IN FEET ABOVE MEAN SEA LEVEL
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- PLANT AREA
- APPROXIMATE TAR AND BLUE SOIL/FILL EXCAVATION LIMITS
- POND
- STORMWATER PIPE
- RAILROAD
- TAX PARCEL BOUNDARY
- HYDRO-AIR (STEELFIELDS AREA
- STEELFIELDS AREA III

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: ERIE COUNTY
3. GROUNDWATER DEPTHS MEASURED ON 27 AND 28 JULY 2022 AND 23 SEPTEMBER 2023.
4. GROUNDWATER ELEVATIONS FROM JULY 2022 ARE PRESENTED IN BLUE, AND SEPTEMBER 2023 IN GREEN. GROUNDWATER ELEVATIONS FROM ORC WELLS NOT USED IN CONTOURING.
5. AERIAL IMAGERY SOURCE: NEARMAP, MARCH 2020

N

0 200 400
SCALE IN FEET

HALEY ALDRICH

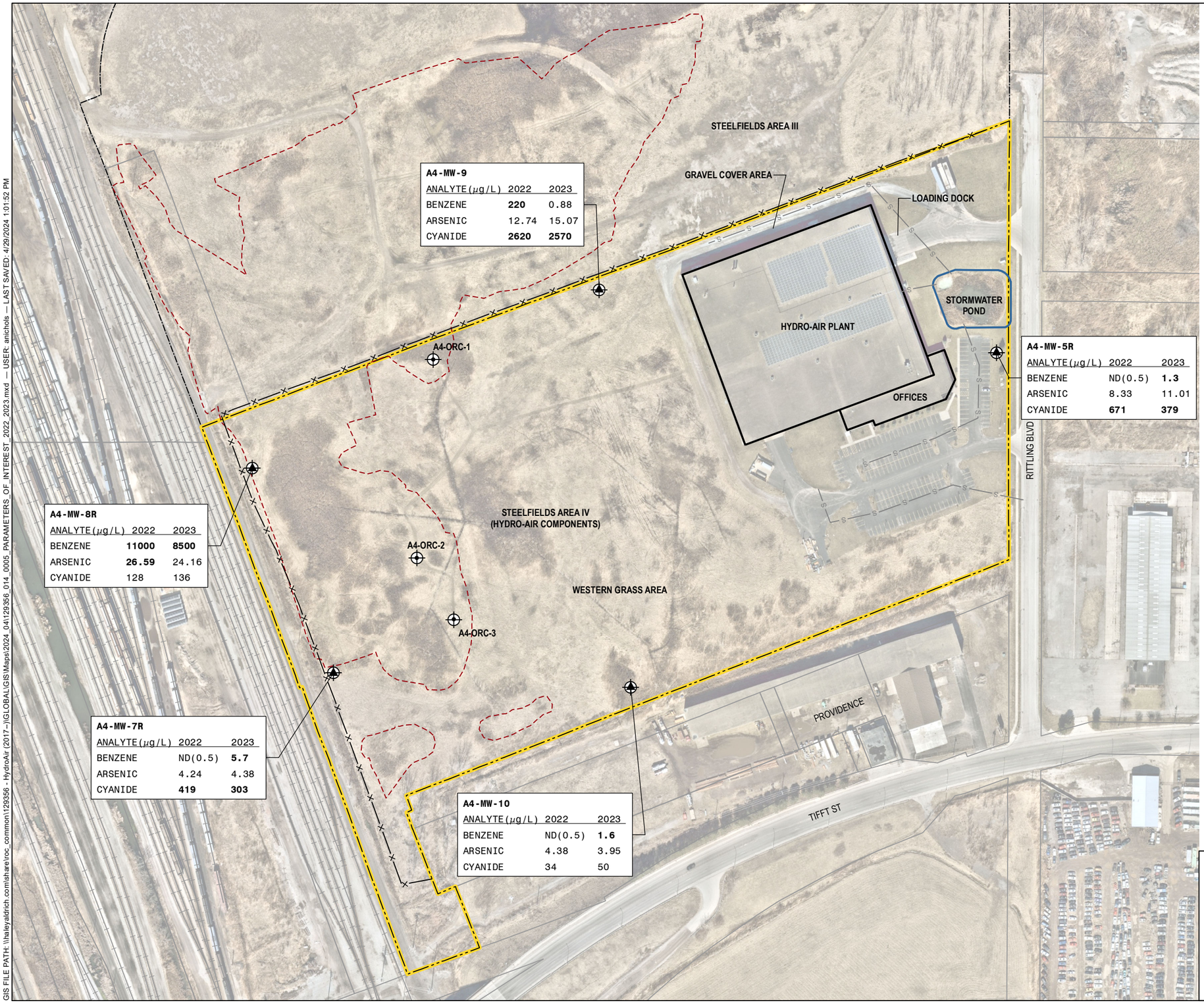
HYDRO-AIR COMPONENTS, INC.
100 RITTLING BOULEVARD
BUFFALO, NEW YORK

SHALLOW GROUNDWATER ELEVATION MAP JULY 2022 AND SEPTEMBER 2023

APRIL 2024

FIGURE 4

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\1293566 - HydroAir (2017-)\GLOBAL\GIS\Maps\2024_04\1293356_014_0004_SHALLOW_GW_ELEVATION.mxd — USER: anichols — LAST SAVED: 4/29/2024 1:00:13 PM



LEGEND

- MONITORING WELL, HYDRO-AIR PROPERTY
- ORC WELL, HYDRO-AIR PROPERTY
- FENCE
- PLANT AREA
- APPROXIMATE TAR AND BLUE SOIL/FILL EXCAVATION LIMITS
- POND
- STORMWATER PIPE
- RAILROAD
- TAX PARCEL BOUNDARY
- HYDRO-AIR (STEELFIELDS AREA IV)
- STEELFIELDS AREA III

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: ERIE COUNTY
3. µg/L = MICROGRAMS PER LITER
4. **BOLD** VALUES EXCEED NYSDEC CLASS GA GWQS.
5. ND (0.5) = COMPOUND NOT DETECTED ABOVE INDICATED REPORTING LIMIT
6. AERIAL IMAGERY SOURCE: NEARMAP, MARCH 2020

N

0 200 400
SCALE IN FEET

HALEY ALDRICH

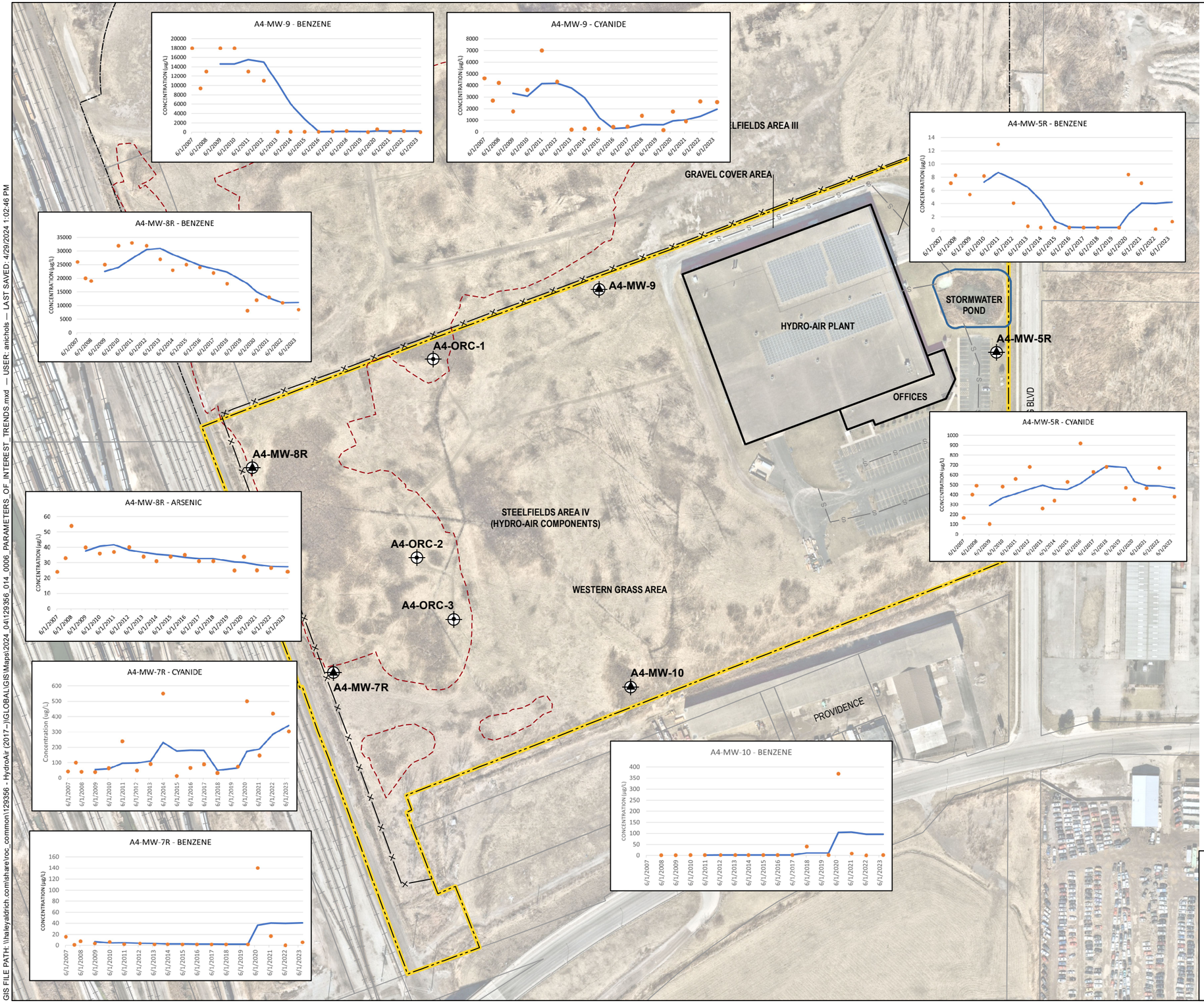
HYDRO-AIR COMPONENTS, INC.
100 RITTLING BOULEVARD
BUFFALO, NEW YORK

GROUNDWATER PARAMETERS OF INTEREST - JULY 2022 AND SEPTEMBER 2023

APRIL 2024

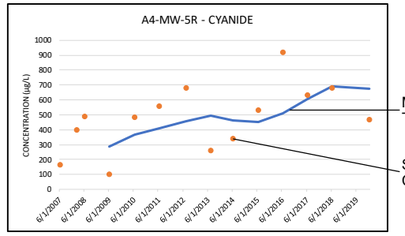
FIGURE 5

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\129356 - HydroAir (2017-)\GLOBAL\GIS\Maps\2024_04\129356_014_0005_PARAMETERS_OF_INTEREST_2022_2023.mxd — USER: anichols — LAST SAVED: 4/29/2024 1:01:52 PM



LEGEND

- MONITORING WELL, HYDRO-AIR PROPERTY
- ORC WELL, HYDRO-AIR PROPERTY
- FENCE
- PLANT AREA
- APPROXIMATE TAR AND BLUE SOIL/FILL EXCAVATION LIMITS
- POND
- STORMWATER PIPE
- RAILROAD
- TAX PARCEL BOUNDARY
- HYDRO-AIR (STEELFIELDS AREA
- STEELFIELDS AREA



NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: ERIE COUNTY
3. µg/L = MICROGRAMS PER LITER
4. MOVING AVERAGE TRENDLINE REPRESENTS THE AVERAGE OF THE 2023 SAMPLE CONCENTRATION AND THE CONCENTRATIONS IDENTIFIED DURING THE THREE (3) PREVIOUS SAMPLING EVENTS. METHOD DETECTION LIMITS USED IN AVERAGING IF AN ANALYTE WAS NOT DETECTED.
5. AERIAL IMAGERY SOURCE: ESRI

N

0 200 400

SCALE IN FEET

HALEY ALDRICH

HYDRO-AIR COMPONENTS, INC.
100 RITTLING BOULEVARD
BUFFALO, NEW YORK

GROUNDWATER PARAMETERS OF INTEREST HISTORICAL TRENDS

APRIL 2024

FIGURE 6

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\129356 - HydroAir (2017-)\GLOBAL\GIS\Maps\2024_04\129356_014_0006_PARAMETERS_OF_INTEREST_TRENDS.mxd — USER: anichols — LAST SAVED: 4/29/2024 1:02:46 PM

APPENDIX A
Institutional and Engineering Controls Certification Form

Enclosure 2

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

Site Details **Box 1**

Site No. **C915204**

Site Name Steelfields Area IV

Site Address: 100 Rittling Blvd. Zip Code: 14220
City/Town: Buffalo
County: Erie
Site Acreage: 30.910

Reporting Period: April 15, 2022 to April 14, 2024

	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 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

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

The following are the ICs at the site: groundwater use restriction, land-use restriction, Site Management Plan, groundwater and stormwater monitoring.

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

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

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)		☐ NA ☐

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

SITE NO. C915204 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
132.12-1-9.121	Hydro-Air Components, Inc.	Site Management Plan Ground Water Use Restriction Landuse Restriction Soil Management Plan

i) until the remedial goals for the Controlled Property are attained or deemed complete by the Department, the Department-approved Site Management Plan (SMP) for the implemented remedy must be adhered to.

ii) a soil cover system and vegetation in accordance with the Soil/Fill Management Plan in the SMP shall be maintained over undeveloped portions of the Controlled Property. Move to Box 4

iii) an active subslab depressurization system (ASD) to eliminate potential soil vapor intrusion shall be installed, operated and maintained in all new buildings and building additions in accordance with the standards and procedures specified in the SMP, and the ASD already installed in the existing building shall continue to be operated and maintained in accordance with the SMP, unless the Department determines that the ASD is not necessary based on the results of a Department-approved evaluation of potential sub-slab vapor impacts. Move to Box 4

iv) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department.

v) groundwater monitoring in accordance with the SMP shall continue until the Department determines that continued monitoring is unnecessary.

vi) the in-situ treatment of residual contamination in native soils using oxygen release compounds (ORC) shall be maintained and monitored in accordance with the SMP until the Department determines that continued maintenance and monitoring of ORC is unnecessary. Move to Box 4

vii) in areas of the Controlled Property with known groundwater impacts, storm water injection (drywells) will be prohibited and storm water conveyance pipes will be required to have gasketed joints for water tightness to prevent the infiltration of impacted groundwater into the collection system. Move to Box 4

Box 4

Description of Engineering Controls

Parcel	Engineering Control
132.12-1-9.121	Cover System Vapor Mitigation ORC in-situ Treatment Gasketed stormwater coveyance piping

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
☐	X

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

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

(V.P. Finance)

Signature of Owner, Remedial Party or Designated Representative

6/12/2024

Date

IC CERTIFICATIONS
SITE NO. C915204

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Robert W. Daigler, JR at Hydro Air Components, Inc,
print name print business address

am certifying as Vice President of Finance (Owner or Remedial Party)

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

Robert W Daigler (V.P. Finance 6/12/2024
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I _____ at _____,
print name print business address

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

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

APPENDIX B
NYSDEC Correspondence

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

2/21/2023

Robert Daigler
Vp Of Finance
Hydro-Air Components Inc.
100 Rittling Blvd
Buffalo, NY 14220
RDaigler@Zehnder-Rittling.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Steelfields Area IV
Site No.: C915204
Site Address: 100 Rittling Blvd.
Buffalo, NY 14220

Dear Robert Daigler:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **May 14, 2023**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Megan Kuczka, the Project Manager, at 716-842-2175 or megan.kuczka@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
700 Delaware Ave

Buffalo, NY 14209-2202

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

Hydro-Air Components, Inc. - RDaigler@Zehnder-Rittling.com

ec: w/ enclosures

Megan Kuczka, Project Manager

Andrea Caprio, Hazardous Waste Remediation Supervisor, Region 9

Haley & Aldrich, Inc. - Glenn White - gwhite@HaleyAldrich.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site Details **Box 1**

Site No. C915204

Site Name Steelfields Area IV

Site Address: 100 Rittling Blvd. Zip Code: 14220
City/Town: Buffalo
County: Erie
Site Acreage: 30.910

Reporting Period: April 14, 2022 to April 14, 2023

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

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

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☐	☐

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

SITE NO. C915204 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
132.12-1-9.121	Hydro-Air Components, Inc.	Site Management Plan Ground Water Use Restriction Landuse Restriction Soil Management Plan

i) until the remedial goals for the Controlled Property are attained or deemed complete by the Department, the Department-approved Site Management Plan (SMP) for the implemented remedy must be adhered to.

ii) a soil cover system and vegetation in accordance with the Soil/Fill Management Plan in the SMP shall be maintained over undeveloped portions of the Controlled Property.

iii) an active subslab depressurization system (ASD) to eliminate potential soil vapor intrusion shall be installed, operated and maintained in all new buildings and building additions in accordance with the standards and procedures specified in the SMP, and the ASD already installed in the existing building shall continue to be operated and maintained in accordance with the SMP, unless the Department determines that the ASD is not necessary based on the results of a Department-approved evaluation of potential sub-slab vapor impacts.

iv) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department.

v) groundwater monitoring in accordance with the SMP shall continue until the Department determines that continued monitoring is unnecessary.

vi) the in-situ treatment of residual contamination in native soils using oxygen release compounds (ORC) shall be maintained and monitored in accordance with the SMP until the Department determines that continued maintenance and monitoring of ORC is unnecessary.

vii) in areas of the Controlled Property with known groundwater impacts, storm water injection (drywells) will be prohibited and storm water conveyance pipes will be required to have gasketed joints for water tightness to prevent the infiltration of impacted groundwater into the collection system.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
132.12-1-9.121	Cover System Vapor Mitigation

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☐	☐

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

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

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

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

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

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

YES	NO
☐	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C915204

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

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

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

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I _____ at _____,
print name print business address

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

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220| F: (716) 851-7226
www.dec.ny.gov

August 4, 2022

Robert Daigler
Hydro-Air Components, Inc.
100 Rittling Blvd
Buffalo, NY 14220

Re: Site Management (SM) -
Periodic Review Report (PRR) Response Letter
Steelfields Area IV, Buffalo
Erie County, Site No.: **C915204**

Dear Robert Daigler (as the Certifying Party):

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for the following period: April 14, 2021 to April 14, 2022. The Department hereby accepts the PRR and IC/EC Certification.

The frequency of Periodic Reviews for this site is once a year, and your next PRR will be due on May 14, 2023. You will receive a reminder letter and updated certification form 75-days prior to the report's due date. Regardless of receipt or not of the reminder notice, the next PRR, including the signed certification form, is still due on the date specified above.

Please notify the Department 7-days in advance of the next annual site inspection, as the Department would like to attend. Additionally, please complete all well maintenance and note within the 2022-2023 PRR.

In future PRR's, please complete the following revisions:

- Assess the annual carbon dioxide and alkalinity results
- Assess if the ORC socks are working or if a different remedial measure should be taken
- Provide a figure detailing the SSDS layout
- Include disposal receipts for groundwater and ORC socks
- Section 2.2 – Revise this section as ORC treatment, groundwater monitoring, and stormwater pond monitoring are not classified as engineering controls
- Section 2.2.1.1 – Please detail where the loading dock pump is discharging to
- Section 2.2.6 – Detail where the pond is discharging to
- Figures 2 through 4 – Remove A4-MW-1 and A4-MW-1A as they are not required to be sampled per the SMP
- Appendix E – Add in the pond and any other cover system changes that have occurred since the FER

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- Appendix F –
  - Indicate the units of the vacuum readings
  - Detail the typical operating range for each manometer
- Appendix J –
  - Replace Table A1 with Appendix J, Table 1 from the 2020-2021 PRR to detail the groundwater results back to 2007

If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist – 1

ec: Andrea Caprio – NYSDEC
Kristin Kulow – NYSDOH
Charlotte Bethoney – NYSDOH
Glenn White – Haley & Aldrich
Drew Nichols – Haley & Aldrich
Tom Robitaille – Haley & Aldrich
Scott Pallotta – Hydro-Air Components, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
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www.dec.ny.gov

May 9, 2023

Robert Daigler
Hydro-Air Components, Inc.
100 Rittling Blvd
Buffalo, NY 14220

Re: Site Management (SM) -
Excavation and Cover System
Steelfields Area IV, Buffalo
Erie County, Site No.: **C915204**

Dear Robert Daigler (as representative of the Certifying Party):

On May 3, 2023 the Department was notified by Haley & Aldrich that the owners and/or operators of the railroad tracks located west of the above-referenced Site had excavated within the boundaries of the Brownfield Cleanup Program (BCP) Site. In order to remedy the excavation of potentially hazardous material, the spoil piles will need to be appropriately characterized and disposed of offsite. Documentation of sampling and disposal will need to be shared with the Department. It is a requirement of the BCP that the Department be notified prior to any excavations performed onsite.

While investigating the railroad's excavations, it was determined by Haley & Aldrich that the cover system engineering control was not installed over the entire BCP Site. Per the Final Engineering Report and the Site Management Plan, a one-foot cover system should have been placed over the entirety of the Site, if not covered by hardscape. In order to protect the public and environment from the potentially exposed hazardous materials, the Department requests a Corrective Measures Work Plan (CMWP) be submitted within the next 60 days. The CMWP should address measures to investigate the level of contamination within the uncovered locations within the BCP Site boundaries and methods to install a one-foot cover system on any portions of the Site not already containing such a cover system or covered by hardscape. If a meeting is warranted to discuss these additional measures, please reach out to the Department for scheduling. If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist – 1

NEW YORK STATE | Department of Environmental Conservation

ec: Andrea Caprio – NYSDEC
Gregory Scholand – NYSDEC
Kristin Kulow – NYSDOH
Glenn White – Haley & Aldrich
Drew Nichols – Haley & Aldrich
Tom Robitaille – Haley & Aldrich
Scott Pallotta – Hydro-Air Components, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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September 18, 2023

Robert Daigler
Hydro-Air Components, Inc.
100 Rittling Blvd
Buffalo, NY 14220

Re: Site Management (SM) -
Request to Revise BCP Site Boundary
Steelfields Area IV, Buffalo
Erie County, Site No.: **C915204**

Dear Robert Daigler:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) (collectively, the Departments) have reviewed the July 7, 2023 letter (revised July 11, 2023), submitted by consultant Haley & Aldrich on behalf of Hydro-Air Components, Inc. (Hydro-Air), requesting to modify the above-referenced Brownfield Cleanup Program (BCP) Site boundary due to recent site inspections identifying a lack of a cover system along the Site's western extent. After further discussion internally, the Departments have concluded that the BCP Site boundary cannot be modified after issuance of the Certificate of Completion, which occurred for this Site in December 2007.

Therefore, in order to protect public health and the environment, the Departments propose this approach in response to the issues raised in your letter:

1. Hydro-Air will place one foot of cover soil within the fenceline adjacent to MW-1 and MW-1A, as proposed within your July 7th/11th Letter.

2. Hydro-Air will place one foot of cover soil south of MW-1/MW-1A outside the fenceline, but only in the area located to the east of the Niagara Mohawk Easement. You have indicated that the land along the western boundary of the BCP Site is burdened by easements held by Niagara Mohawk and the Buffalo, Rochester, and Pittsburgh Rail Company, and therefore the Departments will not require a cover system in the locations covered by these easements. Although, in locations without a cover system, the Soil/Fill Management Plan (to be updated and renamed as the Excavation Work Plan) will need to be adhered to by all parties excavating onsite going forward.

Prior to completing the requested cover system modifications, the Departments request that a Corrective Measures Work Plan (CMWP) be submitted within the next 60

days detailing procedures and a schedule for the placement of the cover system in the areas specified above. The CMWP should also detail when a Construction Completion Report will be submitted, which should include a cover system depth survey. Additionally, the CMWP should detail when the 2014 Site Management Plan (SMP) will be revised. The SMP will need to be modified to the NYSDEC's current template and accurately reflect the locations of the cover system and the locations where no cover system is present, along with specifying that any future excavation on any portion of the BCP Site needs to adhere to the Excavation Work Plan. Lastly, the CMWP should also detail how the soils excavated by the railroad will be appropriately characterized and disposed of offsite.

If a meeting is warranted to discuss these activities, please reach out to me for scheduling. If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist – 1

ec: Andrea Caprio – NYSDEC
Gregory Scholand – NYSDEC
Kristin Kulow – NYSDOH
Charlotte Bethoney – NYSDOH
Glenn White – Haley & Aldrich
Drew Nichols – Haley & Aldrich
Scott Pallotta – Hydro-Air Components, Inc.

Nichols, Andrew

From: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Sent: Friday, May 17, 2024 8:36 AM
To: White, Glenn; Nichols, Andrew
Cc: Panfil, Ryan (ZRI); Walsh, Thomas F.; Caprio, Andrea (DEC); Kulow, Kristin (HEALTH); Daigler, Robert (ZRI)
Subject: RE: Corrective Measures Work Plan - Steelfields Area IV (C915204)

CAUTION: External Email

Glenn/Drew –

Spoke to my supervisor regarding your questions on the Corrective Measures Work Plan (CMWP) for Steelfields Area IV. Below are responses to your questions, but feel free to reach out if you have any additional concerns or require further explanation.

- The Department cannot make the final decision on if the Railroad should further be pursued or if Hydro-Air should complete the disposal/re-use of the spoils piles. Although, the Department will give you one more year to make a determination on the final approach. Please submit a final Corrective Measures Work Plan by May 17, 2025 detailing which entity will be disposing/re-using the spoil piles and the work plan must be stamped by a licensed NYS Professional Engineer.
- Re-use of material – Material onsite can be re-used as cover pending analytical shows industrial SCOs (not site specific action levels) are met (per Table 5.4(e)10 in DER-10), PFAS sampling industrial guidance values are met, and no elevated TENORM per DMM-5 has been identified by a licensed D&D contractor
    - Re-use of material from another location (ex: Bills Stadium) for cover can be completed, as long as the analytical data meets Industrial SCOs and the PFAS industrial guidance values
    - The SMP should reference industrial SCOs, rather than commercial. This was an error when the SMP is written and will need to be fixed in the revised SMP
- Due to the Department approving an extension of the CMWP by one year, the Department requests the pending PRR be submitted within the next two weeks. The PRR will not be able to be certified due to the pending corrective measures, but please note in the text that the CMWP is pending.

Sincerely,

Megan Kuczka
she/her/hers
Environmental Program Specialist 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226 | Megan.Kuczka@dec.ny.gov
www.dec.ny.gov | | |

From: Kuczka, Megan E (DEC)
Sent: Wednesday, May 15, 2024 9:45 AM
To: Daigler, Robert (ZRI) <rdaigler@zehnder-rittling.com>
Cc: Panfil, Ryan (ZRI) <rpanfil@zehnder-rittling.com>; Walsh, Thomas F. <twalsh@barclaydamon.com>; White, Glenn

Nichols, Andrew

From: Satanek, Melanie
Sent: Friday, August 23, 2024 9:27 AM
To: dec.sm.NYENVDATA
Cc: megan.kuczka@dec.ny.gov; White, Glenn; Nichols, Andrew
Subject: NYSDEC EDD Submittal - Steelfields Area IV (C915204) - 2023 GW Data-2nd Attempt
Attachments: 20240823 0924.C915204.NYSDEC_v5_MERGE.zip

Second Attempt at direct uploading to system, initial errors corrected. Please find attached the September 2023 groundwater data for Steelfields Area IV (C915204).

Melanie Satanek
Senior Scientist

Haley & Aldrich, Inc.
6500 Rockside Rd. | Suite 200
Cleveland, OH 44131

T: (216)706.1320

www.haleyaldrich.com

From: Satanek, Melanie
Sent: Friday, August 23, 2024 8:54 AM
To: NYENVEDD@dec.ny.gov
Cc: Kuczka, Megan E (DEC) <megan.kuczka@dec.ny.gov>; White, Glenn <GWhite@haleyaldrich.com>; Nichols, Andrew <ANichols@haleyaldrich.com>
Subject: NYSDEC EDD Submittal - Steelfields Area IV (C915204) - 2023 GW Data

Please find attached the September 2023 groundwater data for Steelfields Area IV (C915204).

Melanie Satanek
Senior Scientist

Haley & Aldrich, Inc.
6500 Rockside Rd. | Suite 200
Cleveland, OH 44131

T: (216)706.1320

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APPENDIX C
Inspection Form

Environmental Inspection Form
Operation, Monitoring, & Maintenance Work Plan

Property Name:	Former Steelfields Area IV Site	Project No.:	C915204
Client:	Hydro-Air Components, Inc.		
Property Address:	100 Rittling Blvd.	City, State: Buffalo, NY	Zip Code: 14220
Property ID: (Tax Assessment Map)	Section:	Block:	Lot(s):
Preparer's Name:	Glenn White	Date/Time:	4/14/2024

CERTIFICATION

The results of this inspection were discussed with the owner and/or owner's representative. Any corrective actions required have been identified and noted in this report, and a supplemental Corrective Actions Form has been completed. Proper implementation of these corrective actions have been discussed with the owner, agreed upon, and scheduled.

Preparer / Inspector: Glenn White, H&A of New York Engineering and Geology, LLP **Date:**

Signature:

Next Scheduled Inspection (date): 3/2025

Final Surface Cover / Vegetation

In accordance with the Soil/Fill Management Plan, vegetative or other (eg. Asphalt, buildings, concrete) surface coverage over the entire redeveloped parcel is required by the developer or owner as a pre-condition of occupancy. The following documents the condition of the above.

1. Final Cover is in Place and in good condition?	☐ yes	☒ no	☐ N/A
2. Evidence of erosion?	☐ yes	☒ no	☐ N/A
3. Cracks visible in pavement?	☐ yes	☒ no	☐ N/A
4. Evidence of distressed vegetation/turf?	☐ yes	☒ no	☐ N/A
5. Evidence of unintended traffic and/or rutting?	☒ yes	☐ no	☐ N/A
6. Evidence of uneven settlement and/or ponding?	☒ yes	☐ no	☐ N/A
7. Damage to any surface coverage?	☒ yes	☐ no	☐ N/A

Cover consists of (mainly): Field grasses, buildings, asphalt parking lot, and asphalt and gravel drives.

1-ft of is not present in the southwest corner of Site, and does not appear present within NiMO and BRPRR Easements.

If yes to any question above, please provide more information below.

See attachment

Property Security & Access

In accordance with the Soil/Fill Management Plan, fencing is required to restrict access in all undeveloped areas and as necessary in redeveloped areas. In addition, all fencing around undeveloped areas will be posted with "No Trespassing" signs.

1. Is access controlled by perimeter fencing?	☐ yes	☒ no	☐ N/A
If not, please note: Site is partially fenced			
2. Is fencing in need of repair?	☒ yes	☐ no	☐ N/A
3. Area access gates in working order?	☐ yes	☐ no	☒ N/A
4. Sufficient signage posted (No Trespassing)?	☒ yes	☐ no	☐ N/A
5. Has there been any noted or reported trespassing?	☒ yes	☐ no	☐ N/A

Please note any irregularities/ changes in site access and security:

Portions of fencing along the western site boundary are falling over. Hydro-Air personnel observed evidence of trespassing during the PRR period. Site perimeter fencing is not a Site engineering control listed in the SMP.

Property Use Changes / Site Development

Has the property usage changed, or site been redeveloped since the last inspection?

☐ yes ☒ no ☐ N/A

If so, please list with date: Property use has not changed since 2006 when HydroAir first occupied the building.

Active Sub-Slab Depressurization System (ASD)

Is there an ASD present on-site?

☒ yes ☐ no ☐ N/A

If yes, is it currently operating?

☒ yes ☐ no ☐ N/A

Is the ASD annual inspection checklist completed and enclosed?
See attachment

☒ yes ☐ no ☐ N/A

Environmental Inspection Form
Operation, Monitoring, & Maintenance Work Plan

ORC Well Monitoring and Maintenance

Is there ORC mitigation present on-site?

☒ yes ☐ no ☐ N/A

Are the wells currently intact and operational?

☒ yes ☐ no ☐ N/A

Has regular maintenance and monitoring been documented and enclosed or referenced?

☒ yes ☐ no ☐ N/A

Long-Term Ground Water Monitoring

Is there a plan in place and currently being followed?

☒ yes ☐ no ☐ N/A

Are the wells currently intact and operational?

Maintenance of well caps and locking mechanisms is recommended. ☒ yes ☐ no ☐ N/A

When was the most recent sampling event report and submittal? Date: Included with 2022-2024 PRR

When is the next projected sampling event? Date: September 2024

New Information

Has any new information been brought to the owner/engineer's attention regarding any and/or all engineering and institutional controls and their operation and effectiveness?

☒ yes ☐ no ☐ N/A

Comments:

Review of Site conditions and 2007 Final Engineering Report (FER) indicate areas along the western edge of the BCP Site did not receive 1-foot of soil cover as described in the FER.

This space for Notes and Comments

Please include the following Attachments:

1. Site Sketch
2. Photographs

Site sketch and photographs included in 2022-24 PRR report

Attachment to Page 1 of 2

Coverage in Western Grass Area

As requested by NYSDEC, french drains were installed in May 2008 to minimize ponding observed after the installation of the soil cover in 2007. Minor ponding was observed during the annual 2022-2024 PRR period. Wetland vegetation continues to grow in the western grass area.

Northern Loading Dock

Subsequent to corrective measures that were put into place on 1 December 2012 (per the Corrective Measures Work Plan, approved 29 December 2011 by the Department), water has not accumulated in the northeastern loading dock area. The reconfiguration of the loading dock pump system (setting to automatic pumping and raising the float set-point) enabled sufficient pumping to maintain dry conditions and has sufficiently prevented the surfacing of groundwater in the area. Hydro-Air has continued to monitor the efficacy of these controls regularly throughout the 2022-24 monitoring period.

Gravel Cover Areas

Prior to 2012, evidence of surfacing groundwater from beneath the gravel cover areas on the northern end of the Site was evident (see Figure 2). As a voluntary corrective measure, the gravel cover on the northern portion of the access road was enhanced in 2012 by the placement of additional gravel (an additional 9 to 11 inches). During the 2020-2021 PRR Site inspection on 5 January 2021, standing water was observed in compacted areas on the gravel roadway between the Site building and northern Site boundary following a period of rainfall and snowmelt. This condition was likely related to recent rainfall/snow melt/localized groundwater recharge. To limit the potential for future temporary ponding under similar conditions, Hydro-Air imported approximately 88 tons of #2 crushed limestone to elevate the compacted areas and re-grade the roadway. The crushed stone was imported to the Site on 14 April 2021, per import approval provided by NYSDEC on 24 March 2021. Hydro-Air monitored the road conditions throughout the 2022-2024 reporting period and did not observe unanticipated standing water.

Site Cover System Along Western Boundary Not Maintained

During the March 2023 site engineering controls inspection, Site areas located west of the fence line extending along the western side of the "western grass area" do not appear to be covered with 12 inches of imported soil/fill as described in the Final Engineering Report (FER) prepared by Benchmark for the Site, dated November 2007. This area includes a 30-foot-wide railroad track easement reserved by the Buffalo, Rochester and Pittsburgh Rail Company (BRPRR) to use, maintain and remove Track T-RB2A(1), and a partially overlapping 40-foot-wide utility easement granted to Niagara Mohawk Power Corporation (NiMo). Waste soil/fill materials, including slag, refractory brick, ash, and/or other anthropogenic fill materials, placed in piles along, and on top of, the fence line east of the NiMo easement which had destroyed lengthy sections of the fence line. The piles of excavated material extended onto the land east of the fence line where 12 inches of imported cover are reportedly present. These piles were reportedly generated during periodic maintenance of a drainage ditch within the BRPRR/NiMo easements conducted by the railroad.

Light Post Replacement

During the March 2023 site engineering controls inspection, a light post located in the Site parking lot south of the Site building office areas was observed to have been knocked down. Subsurface soils surrounding the damaged concrete light post base were exposed, representing a temporary breach of the Site cover system in the parking lot area.

A Hydro-Air contractor, Ferguson Electric, replaced the light post on 24 August 2023. Ferguson Electric removed the damaged light post and base and excavated apparent previously-imported stone and topsoil from around the light post to a depth of approximately 4 feet below ground surface. Ferguson Electric temporarily stockpiled the stone and topsoil on polyethylene sheeting on the asphalt parking lot adjacent to the excavation. Evidence of contamination was not observed during the excavation activities. The stone and topsoil were reused by Ferguson Electric to backfill the light post excavation. Approximately 1 cubic yard of stone previously imported to the Site and stockpiled was also used to backfill the excavation to final grade. Following the light post replacement activities, the breached cover system in the vicinity of the light post is considered repaired in accordance with the SMP.

Snow Plow Damage

During the March 2024 Site engineering controls inspection, minor snow plow damage was observed to grassy areas adjacent to the Site parking lots. Snow plowing activities in winter 2024 appeared to "peel back" the upper sod surface in these areas adjacent to existing parking lot roadways. The sod was recovered and put back in place in April 2024 to repair the surface cover.

Winter 2024 snow plow activities also resulted in piles of gravel accumulating along the gravel road along the northern end of the Site. The gravel was previously placed above the existing cover system to prevent groundwater surfacing in this area of the Site, and does not represent a breaching of site cover conditions.

Periodic Trespassing

During the March 2024 site engineering controls inspection, evidence of trespassing on the Site was observed, including tire marks on a lawn area in the northeast corner the site, and in the northeast corner of the Western Grass Area. The tire marks did not breach the site cover system. Additionally, a no trespassing sign and associated chain link barrier along the eastern edge of the Western Grass Area were damaged. Hydro-Air will continue to monitor for periodic trespassing and alert law enforcement if such trespassing is observed. Hydro-Air has also repaired the chain link barrier along the eastern edge of the Western Grass Area to discourage trespassing activities.

APPENDIX D
Photo Log – 2022-2024 PRR Monitoring Period

Photo 1: Linoleum tiles placed over repaired floor cracks in office hallway (March 2023)

Photo 2: Linoleum tiles placed over repaired floor cracks in office hallway (March 2023)

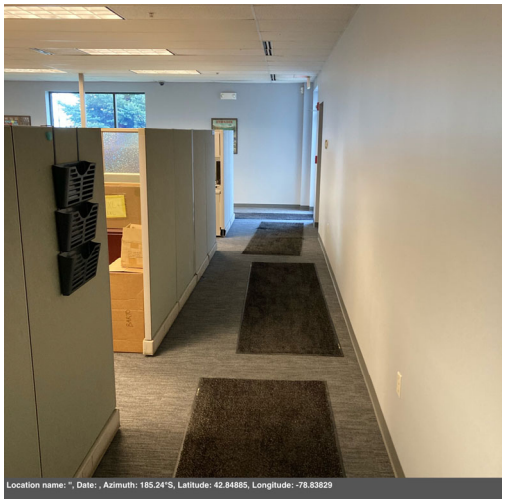


Photo 3: Carpeting placed over office linoleum hallway (March 2024)

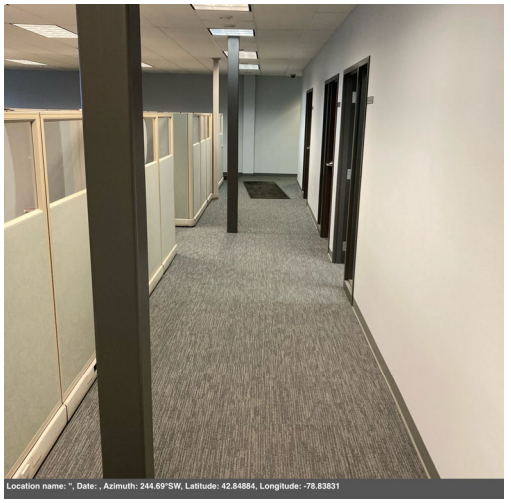


Photo 4: Carpeting placed over office linoleum hallway (March 2024)

Photo 5: Polyurethane caulking in floor slab expansion joint with greater than 0.5 inches of expansion (March 2023)

Photo 6: Polyurethane caulking in floor slab crack near paint booth (March 2023)

Photo 7: Representative surficial floor crack (March 2023)

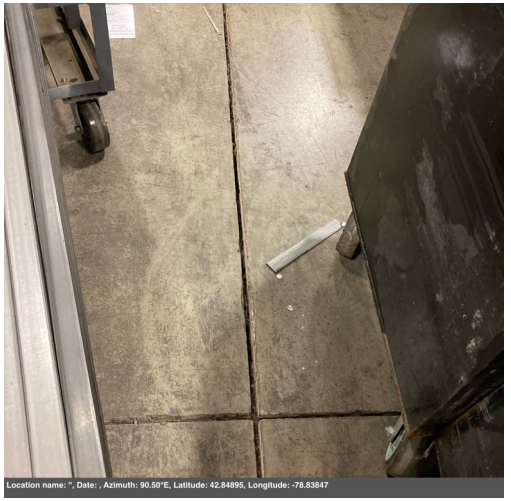


Photo 8: Typical junction of manufacturing space concrete floor slab expansion joints

Photo 9: Parking lot light post and foundation damaged by vehicle (March 2023)

Photo 10: Light post replacement (August 2023).

Photo 11: Light post foundation backfilled with excavated material and previously imported stone (August 2023)

Photo 12: Stormwater pond (March 2023)

Photo 13: Western wetland area (March 2023)

Photo 14: Gravel driveway on norther side of site building (March 2023)

Photo 15: Driveway snowplow damage repair with existing sod (March 2023)

Photo 16: Parking lot/driveway rut repair/filling with previously imported stone.

Photo 17: Western side of site building (March 2023)

Photo 18: Driveway snowplow damage of surficial sod to be repaired in spring 2024 (March 2024).

Photo 19: Evidence of motor vehicle use on lawn in northeast corner of site (March 2024)

Photo 20: Pile of road gravel at end of driveway as a result of winter snow plowing (March 2024).

Photo 21: Pile of road gravel at end of driveway as a result of winter snow plowing and damaged no trespassing barrier (March 2024)

Photo 22: Damaged "no trespassing" barrier along northern driveway (March 2024).

Photo 23: Fill excavated from drainage ditch and piled along western fence line (March 2024).

Photo 24: Fill excavated from drainage ditch and piled along western fence line (March 2024).

Photo 25: NIMO and BRPRR easement areas along western site boundary (March 2024).

Photo 26: Fill excavated from drainage ditch and piled along western fence line (March 2024).

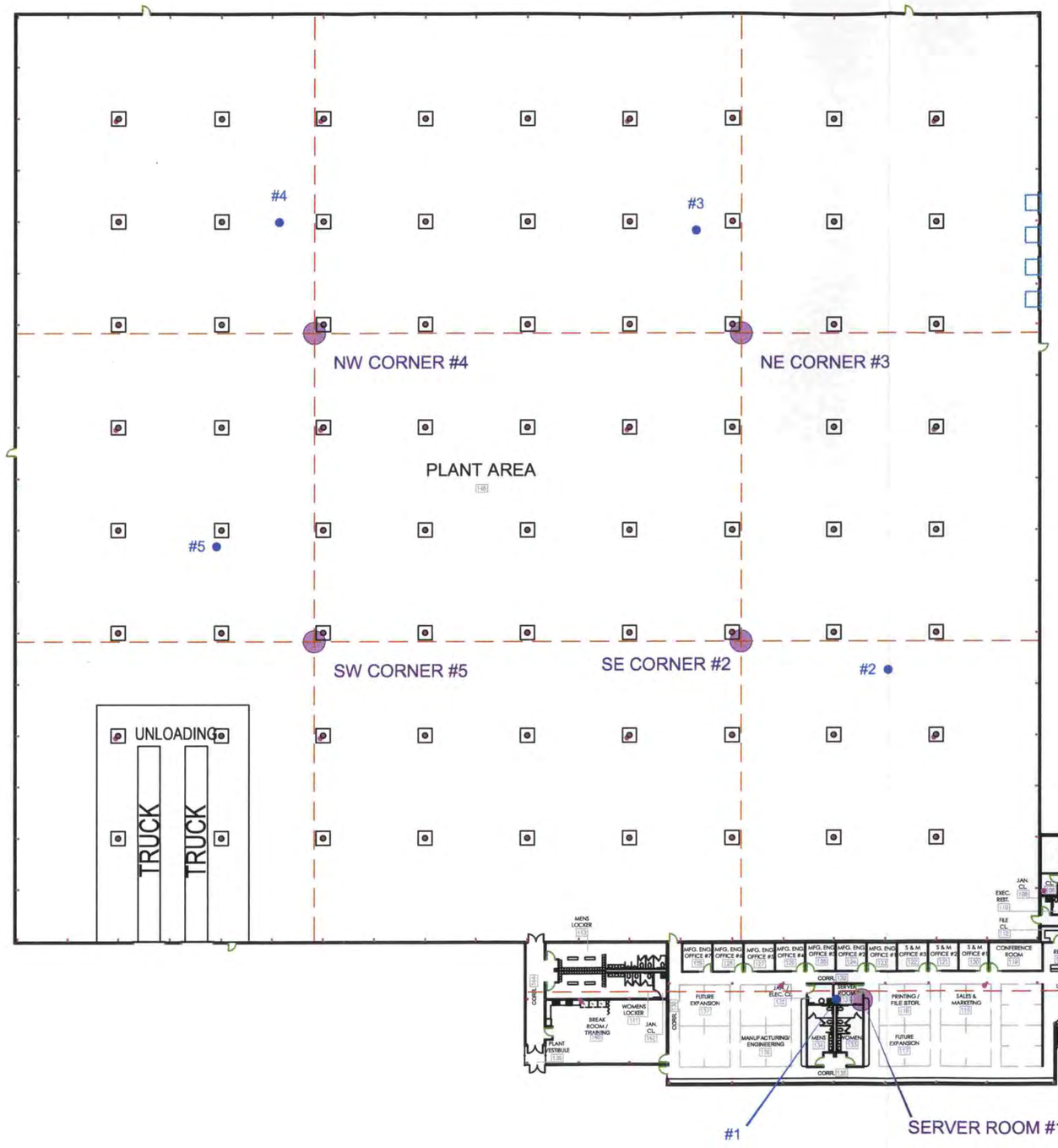
Photo 27: Southwestern corner of site.

APPENDIX E
ASD System Maintenance and Monitoring Documentation

N

LEGEND:

- TYPICAL BUILDING PIER & FOOTER
- MAGNAHELIC GAUGE LOCATION (TYP. OF 5)
- 12 INCHES WIDE x 8 INCHES DEEP TRENCH FILLED WITH CLEAN NO. 2 STONE
- #1 ASD VERIFICATION SAMPLE LOCATION



600' 0' 600' 1200'

SCALE: 1 INCH = 600 FEET
SCALE IN FEET
(approximate)

F:\CAD\Benchmark\Hydro-Air\Active Subslab Depressurization System\Figure 1; ASD System & Post Installation Sample Locations.dwg
DATE: JULY 2007
DRAFTED BY: BCH

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0107-002-300

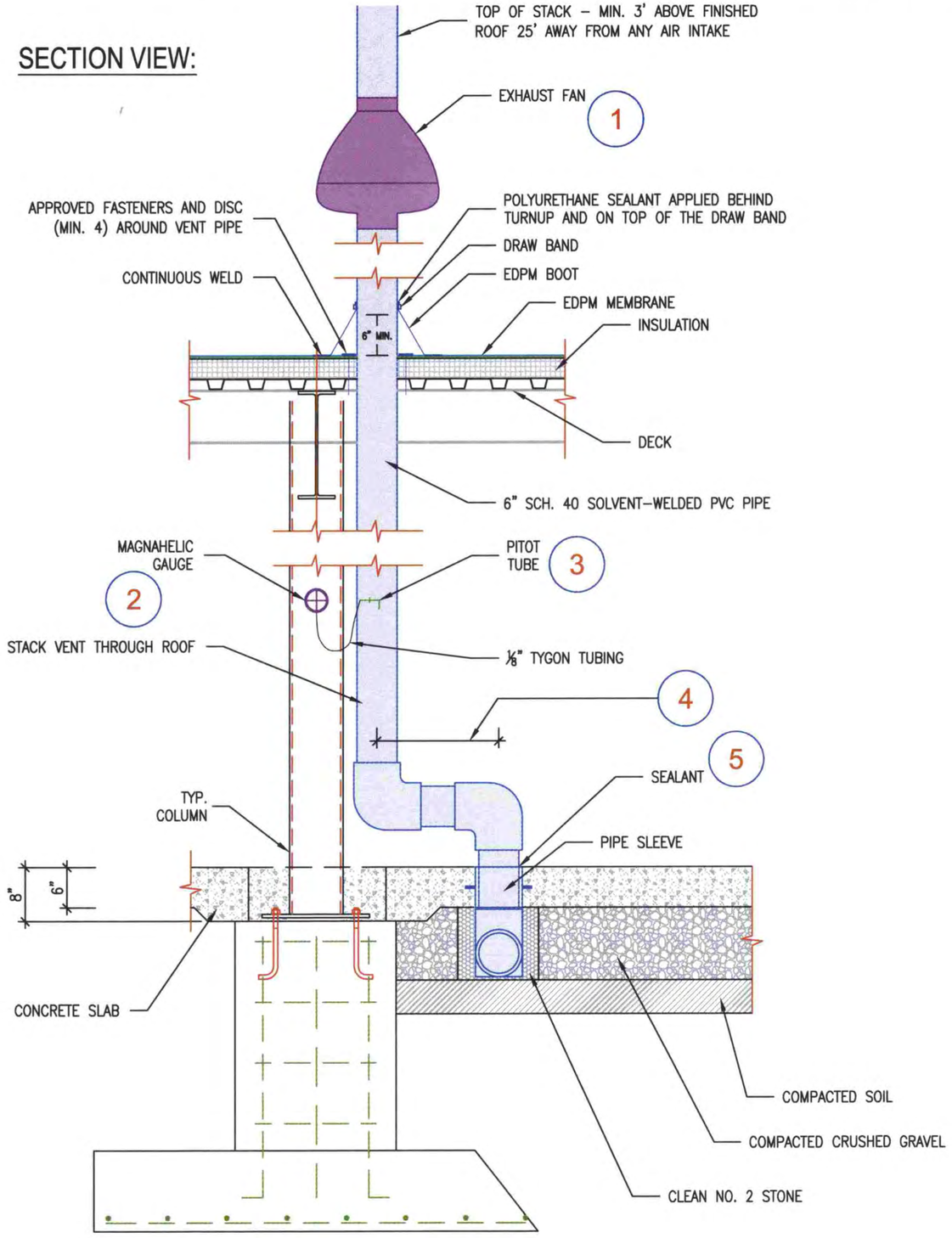
ASD SYSTEM & POST-INSTALLATION SAMPLE LOCATIONS

HYDRO-AIR SITE
BUFFALO, NEW YORK

PREPARED FOR
HYDRO-AIR COMPONENTS, INC.

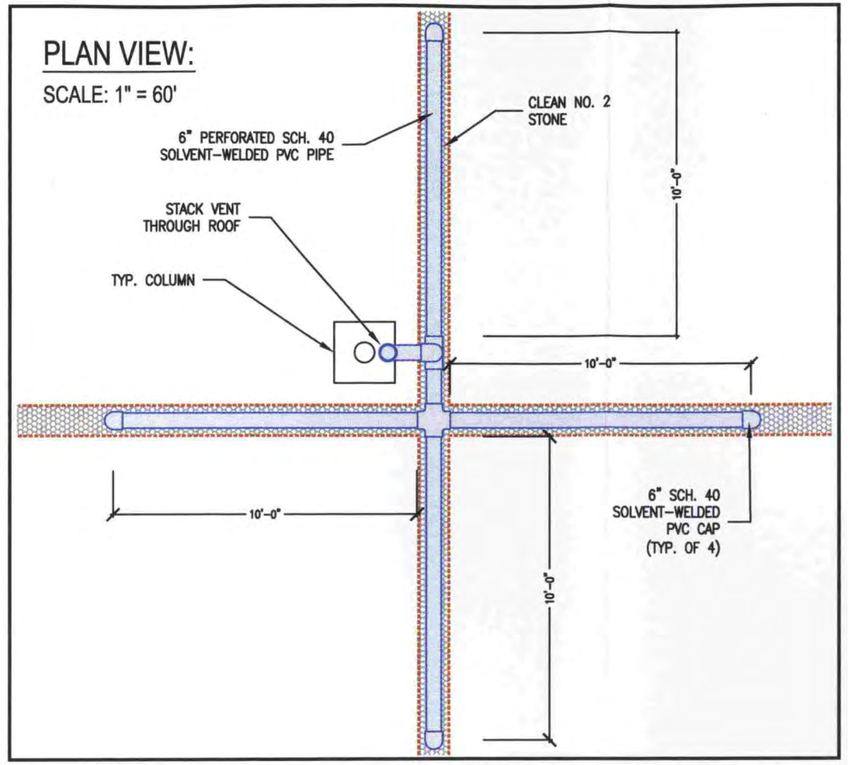
FIGURE 1

SECTION VIEW:



PLAN VIEW:

SCALE: 1" = 60'



NOTES:

1. FANTECH MODEL FR 160. 115 VOLT 71 RATED WATTS CONTINUOUS DUTY.
2. DWYER MODEL 2002 – AV MAGNAHELIC GAUGE; DWYER MODEL A–368 SURFACE MOUNT BRACKET. MOUNT ON COLUMN AT 5 FEET ABOVE FINISHED FLOOR.
3. DWYER MODEL 166–6CF ⅛" NPT PITOT TUBE WITH COMPRESSION FITTINGS.
4. MAXIMUM OF 24" FROM CENTERLINE OF VERTICAL PVC TO CENTERLINE OF OUTER ELBOW.
5. POLYURETHANE SEALANT APPLIED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS TO SEAL ALL GAPS. USE OF SILICONE SEALANTS IS NOT PERMITTED.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
728 EXCHANGE STREET
SUITE 824
BUFFALO, NEW YORK 14210
(716) 856–0599

JOB NO.: 0107-002-100

ACTIVE SUBSLAB DEPRESSURIZATION SYSTEM

HYDRO-AIR COMPONENTS SITE
BUFFALO, NEW YORK

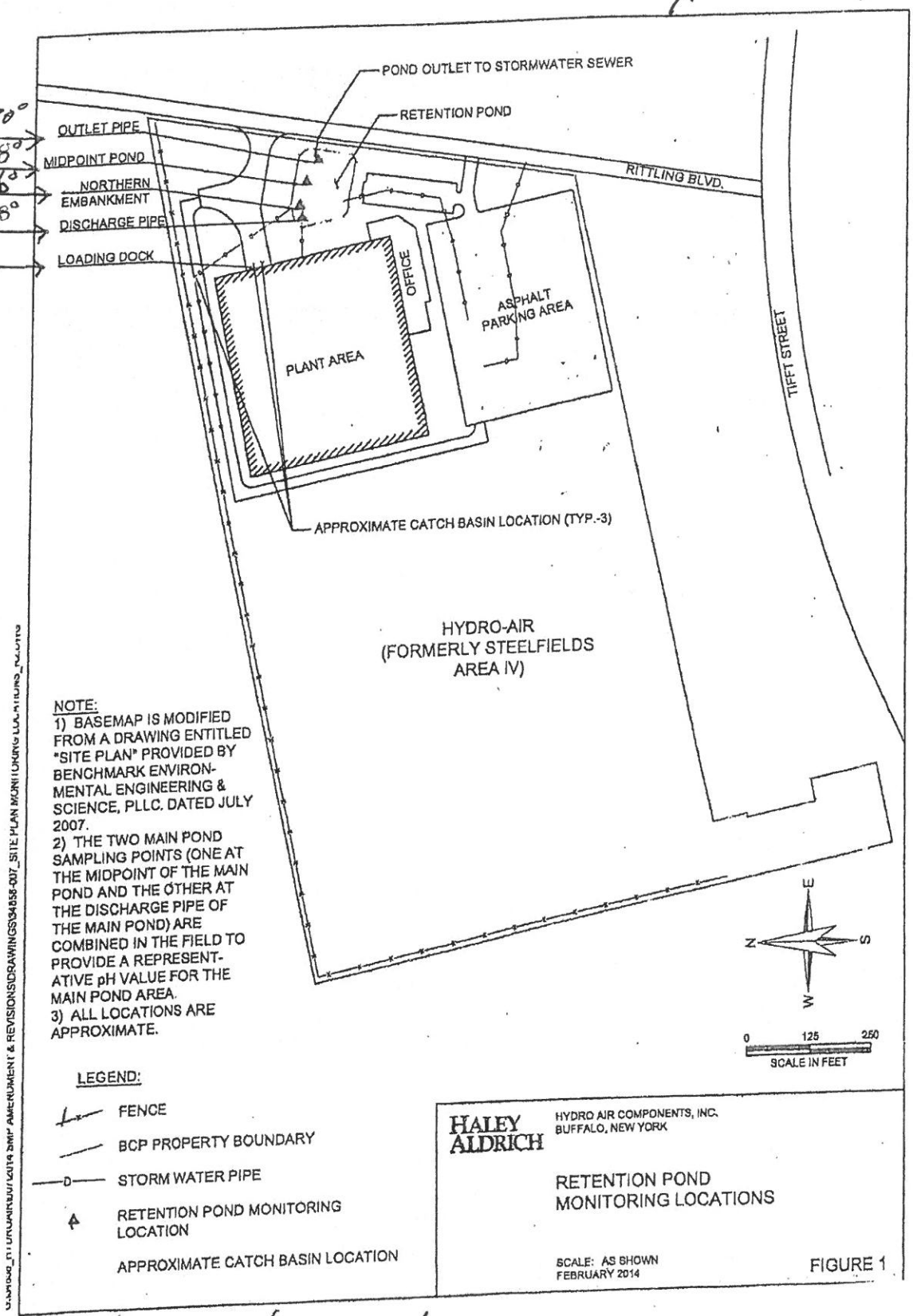
PREPARED FOR
HYDROAIR COMPONENTS, INC.

FIGURE 2

F:\CAD\Benchmark\Hydro-Air\Active Subslab Depressurization System\Figure 2, Active Subslab Depressurization System.dwg
DATE: SEPTEMBER 2006
DRAFTED BY: BCH

9:00 AM 5/25/2022

Ph 6 70°
Ph 6 68°
Ph 6 66°
Ph 11 68°
43900



1.05
Server Room

SE 1.45 NE 1.50 NW 1.55 SW 1.60

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: | Project No.:

Project Location: | Client:

Preparer's Name: Dale A Barto | Date/Time: 5/25/2022 9:00 AM

Notes:

Monthly Operating Status:

System(s) currently running? ☑ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☑ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.43

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2022 9:00am	1.10	1.40	1.70	1.50	1.70	1.48
2/22/2022 9:00AM	1.15	1.50	1.75	1.55	1.75	1.54
3/28/2022 9:30AM	1.05	1.45	1.60	1.50	1.60	1.44
4/28/2022 9:30AM	1.10	1.50	1.55	1.55	1.70	1.48
5/25/2022 9:00AM	1.05	1.45	1.50	1.55	1.60	1.43
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

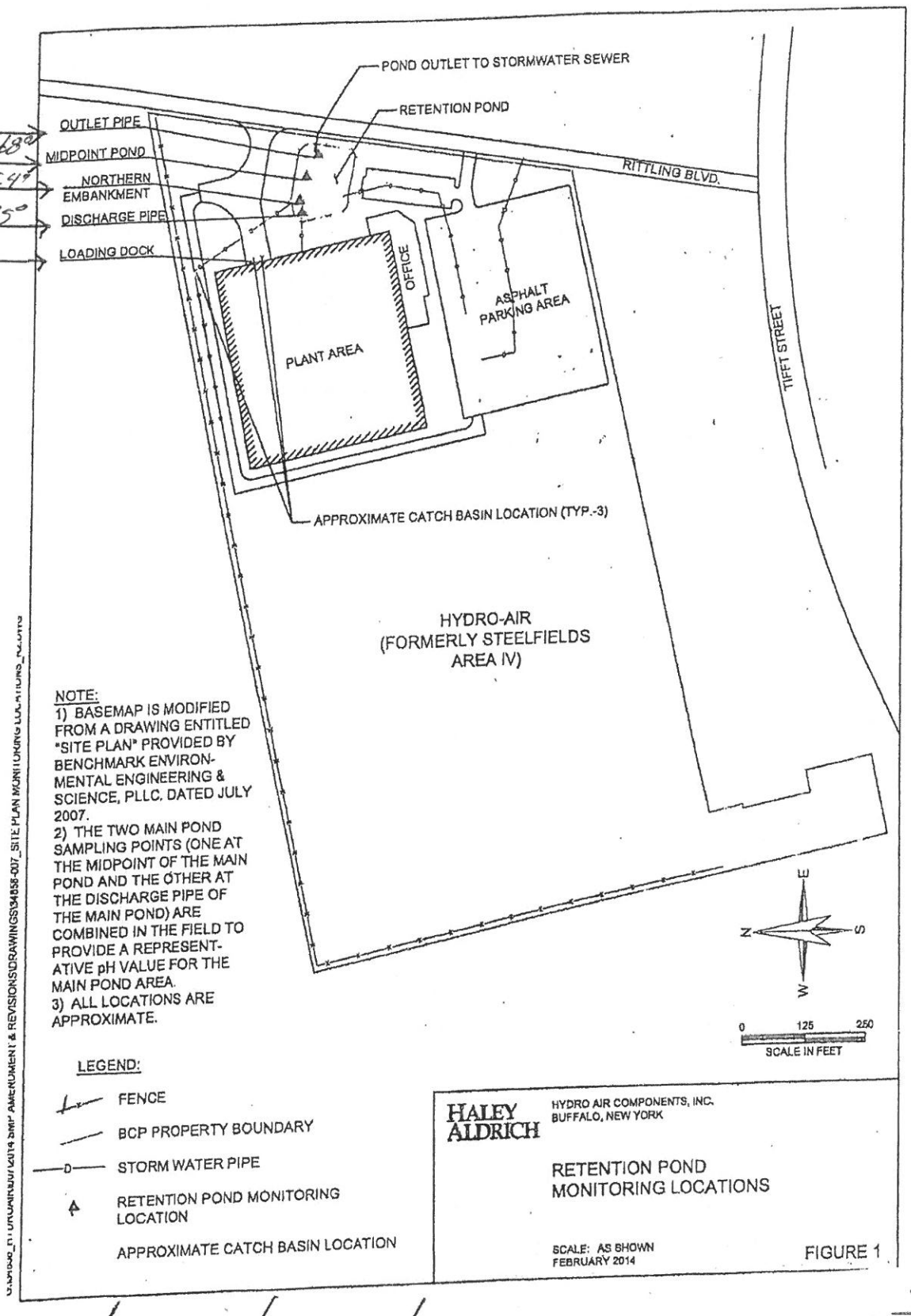
In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Dale A Barto	1/31/22 9:00 AM								2o4,000	Frozen	Sunny
Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
Dale A Barto	4/28/2022 9:30Am	10.00	40	7.10	41	6.00	42		155,400	Clear	Sunny
Dale A Barto	5/25/2022 9:00AM	11.00	68	6.00	66	6.00	70		43,900	Clear	Sunny
Dale A Barto											
Dale A Barto											
Dale A Barto											
Dale A Barto											
Dale A Barto											
Dale A BArto											
Dale A Barto											

6/29/2022

9:00 AM



OH 6 68°

IH 6 64°

PH 10. 65°

55300

Calls over to Pond

NOTE:
1) BASEMAP IS MODIFIED FROM A DRAWING ENTITLED "SITE PLAN" PROVIDED BY BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. DATED JULY 2007.
2) THE TWO MAIN POND SAMPLING POINTS (ONE AT THE MIDPOINT OF THE MAIN POND AND THE OTHER AT THE DISCHARGE PIPE OF THE MAIN POND) ARE COMBINED IN THE FIELD TO PROVIDE A REPRESENTATIVE pH VALUE FOR THE MAIN POND AREA.
3) ALL LOCATIONS ARE APPROXIMATE.

LEGEND:

- FENCE
- BCP PROPERTY BOUNDARY
- STORM WATER PIPE
- RETENTION POND MONITORING LOCATION
- APPROXIMATE CATCH BASIN LOCATION

HALEY ALDRICH

HYDRO AIR COMPONENTS, INC.
BUFFALO, NEW YORK

RETENTION POND
MONITORING LOCATIONS

SCALE: AS SHOWN
FEBRUARY 2014

FIGURE 1

1.15

55300.

Server Room

1.50 SE / 1.55 NE / 1.65 NW / 1.70 SW

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: _____ Project No.: _____

Project Location: _____ Client: _____

Preparer's Name: Dale A Barto Date/Time: 6/29/2022 9:00 AM

Notes:

Monthly Operating Status:

System(s) currently running? ☑ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☑ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.51

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2022 9:00am	1.10	1.40	1.70	1.50	1.70	1.48
2/22/2022 9:00AM	1.15	1.50	1.75	1.55	1.75	1.54
3/28/2022 9:30AM	1.05	1.45	1.60	1.50	1.60	1.44
4/28/2022 9:30AM	1.10	1.50	1.55	1.55	1.70	1.48
5/25/2022 9:00AM	1.05	1.45	1.50	1.55	1.60	1.43
6/29/2022 9:00AM	1.15	1.50	1.55	1.65	1.70	1.51
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

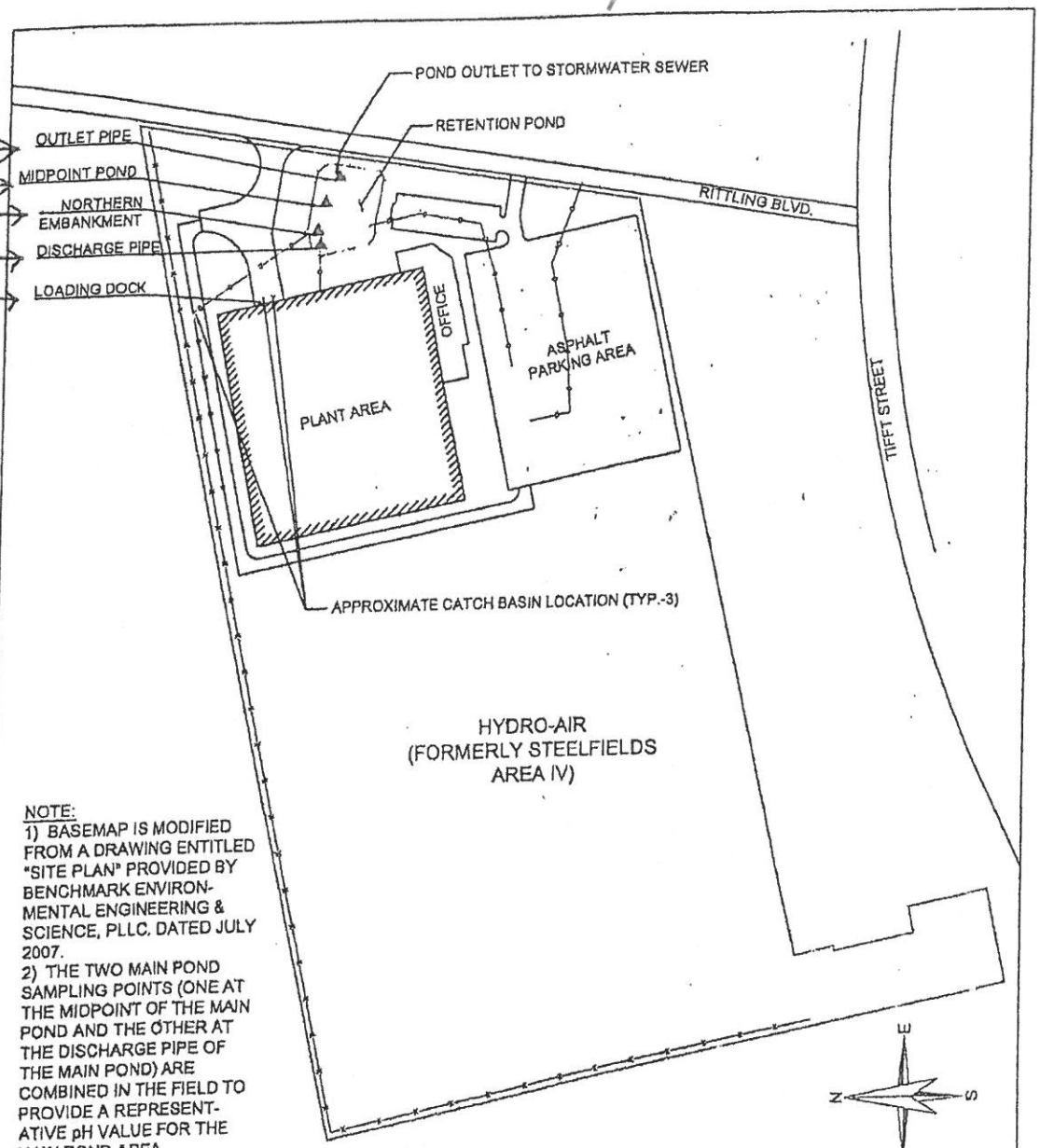
In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Dale A Barto	1/31/22 9:00 AM								2o4,000	Frozen	Sunny
Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
Dale A Barto	4/28/2022 9:30Am	10.00	40	7.10	41	6.00	42		155,400	Clear	Sunny
Dale A Barto	5/25/2022 9:00AM	11.00	68	6.00	66	6.00	70		43,900	Clear	Sunny
Dale A Barto	6/29/2022 9:00AM	10.00	65	6.00	64	6.30	68		55,300	Clear	Sunny
Dale A Barto											
Dale A Barto											
Dale A Barto											
Dale A Barto											
Dale A BArto											
Dale A Barto											

7/25/22 9:00 AM

PH6 71.2°
PH6 68.1°
PH7 70.1°
PH8 71.9°



NOTE:
1) BASEMAP IS MODIFIED FROM A DRAWING ENTITLED "SITE PLAN" PROVIDED BY BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. DATED JULY 2007.
2) THE TWO MAIN POND SAMPLING POINTS (ONE AT THE MIDPOINT OF THE MAIN POND AND THE OTHER AT THE DISCHARGE PIPE OF THE MAIN POND) ARE COMBINED IN THE FIELD TO PROVIDE A REPRESENTATIVE pH VALUE FOR THE MAIN POND AREA.
3) ALL LOCATIONS ARE APPROXIMATE.

LEGEND:

- FENCE
- BCP PROPERTY BOUNDARY
- STORM WATER PIPE
- RETENTION POND MONITORING LOCATION
- APPROXIMATE CATCH BASIN LOCATION

HALEY ALDRICH

HYDRO AIR COMPONENTS, INC.
BUFFALO, NEW YORK

RETENTION POND
MONITORING LOCATIONS

SCALE: AS SHOWN
FEBRUARY 2014

FIGURE 1

1.50 SE / 1.55 NE / 1.65 NW / 1.75 SW /

1.15 Server Room

gallons 32,120

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name: Peter Pike	Date/Time: 7/25/2022 9:00 AM

Notes:

Monthly Operating Status:

System(s) currently running?	☒ yes	☐ no
Has the system been off-line in the past month?	☐ yes	☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.52

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☒ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2022 9:00am	1.10	1.40	1.70	1.50	1.70	1.48
2/22/2022 9:00AM	1.15	1.50	1.75	1.55	1.75	1.54
3/28/2022 9:30AM	1.05	1.45	1.60	1.50	1.60	1.44
4/28/2022 9:30AM	1.10	1.50	1.55	1.55	1.70	1.48
5/25/2022 9:00AM	1.05	1.45	1.50	1.55	1.60	1.43
6/29/2022 9:00AM	1.15	1.50	1.55	1.65	1.70	1.51
7/25/2022 9:00AM	1.15	1.50	1.55	1.65	1.75	1.52
						0.00
						0.00
						0.00
						0.00
						0.00

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Dale A Barto	1/31/22 9:00 AM								2o4,000	Frozen	Sunny
Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
Dale A Barto	4/28/2022 9:30Am	10.00	40	7.10	41	6.00	42		155,400	Clear	Sunny
Dale A Barto	5/25/2022 9:00AM	11.00	68	6.00	66	6.00	70		43,900	Clear	Sunny
Dale A Barto	6/29/2022 9:00AM	10.00	65	6.00	64	6.30	68		55,300	Clear	Sunny
Dale A Barto	7/25/2022 9:00AM	8.00	71	7.00	70	6.00	68		32,120	Clear	Sunny
Dale A Barto											
Dale A Barto											
Dale A Barto											
Dale A BArto											
Dale A Barto											

8-29-22

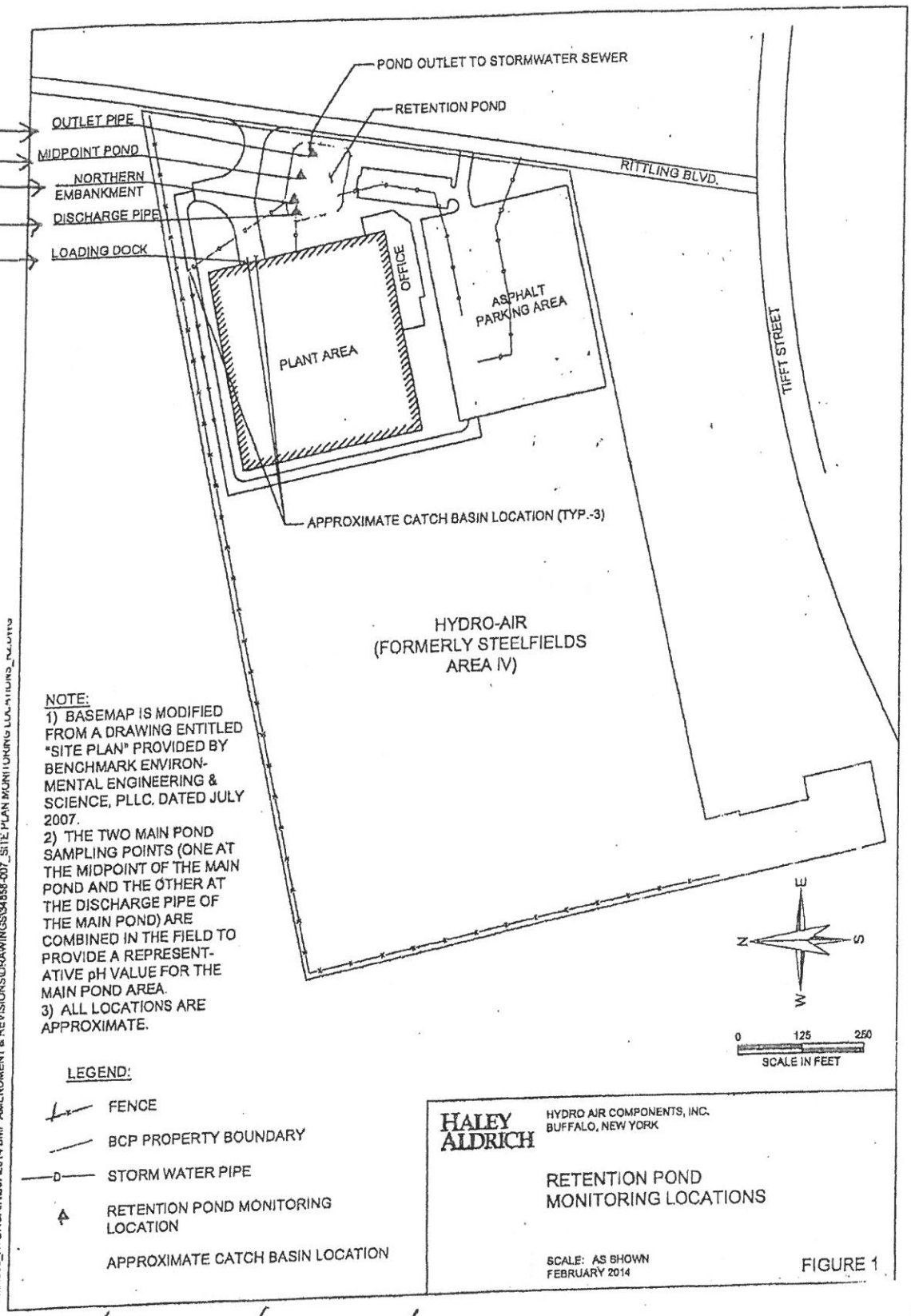
9:00 Am

PH6 70°

PH6 69°

PH7 69°

PH7 69°



1.50 / 1.55 / 1.60 / 1.75 /

SE NE NW SW

1.10

Server Room

gallons 20,100

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: | Project No.:

Project Location: | Client:

Preparer's Name: Pete Pike | Date/Time: 8/29/2022 9:00 AM

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.50

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☒ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

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2. weather conditions (general- wet/ dry, avg temp) since last measurement
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		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
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Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
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Dale A Barto	6/29/2022 9:00AM	10.00	65	6.00	64	6.30	68		55,300	Clear	Sunny
Dale A Barto	7/25/2022 9:00AM	8.00	71	7.00	70	6.00	68		32,120	Clear	Sunny
Dale A Barto	8/29/2022 9:00AM	7.00	69	7.00	69	6.00	69		20,100	clear	partly cloudy
Dale A Barto											
Dale A Barto											
Dale A BArto											
Dale A Barto											

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
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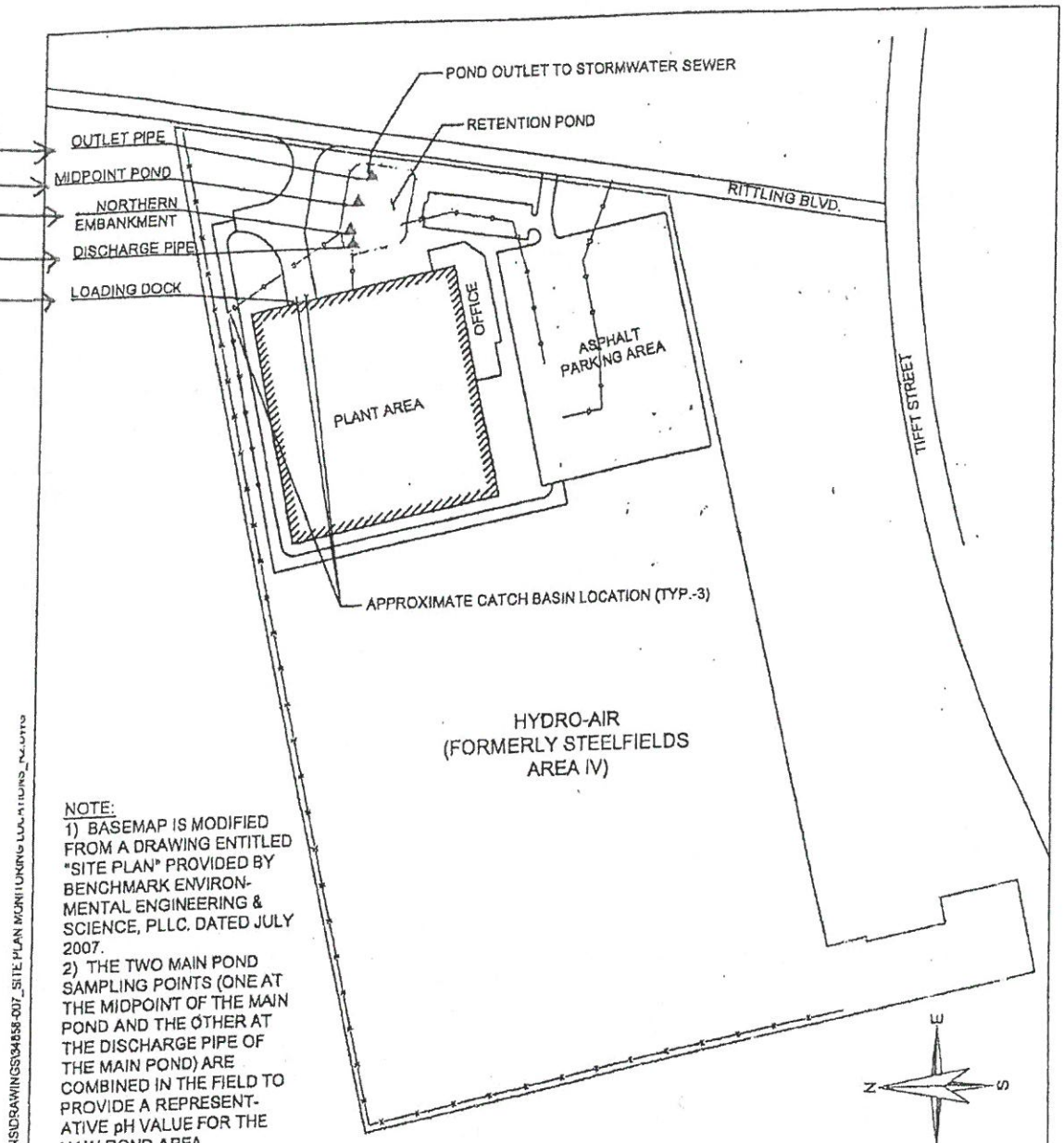
3/28/2022 9:30AM	1.05	1.45	1.60	1.50	1.60	1.44
4/28/2022 9:30AM	1.10	1.50	1.55	1.55	1.70	1.48
5/25/2022 9:00AM	1.05	1.45	1.50	1.55	1.60	1.43
6/29/2022 9:00AM	1.15	1.50	1.55	1.65	1.70	1.51
7/25/2022 9:00aAM	1.15	1.50	1.55	1.65	1.75	1.52
8/29/2022 9:00AM	1.10	1.50	1.55	1.60	1.75	1.50
						0.00
						0.00
						0.00
						0.00

9:00 Am



PH 6 47
PH 6 44
PH 6 46
PH 7 49

1.40 / 1.50 / 1.50 / 1.65 /
SE / NE / NW / SW /

1.15
Server Room

Gallons 82,200

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: | Project No.:

Project Location: | Client:

Preparer's Name: Pete Pike | Date/Time: 9-29-22 9:00AM

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.11

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☒ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

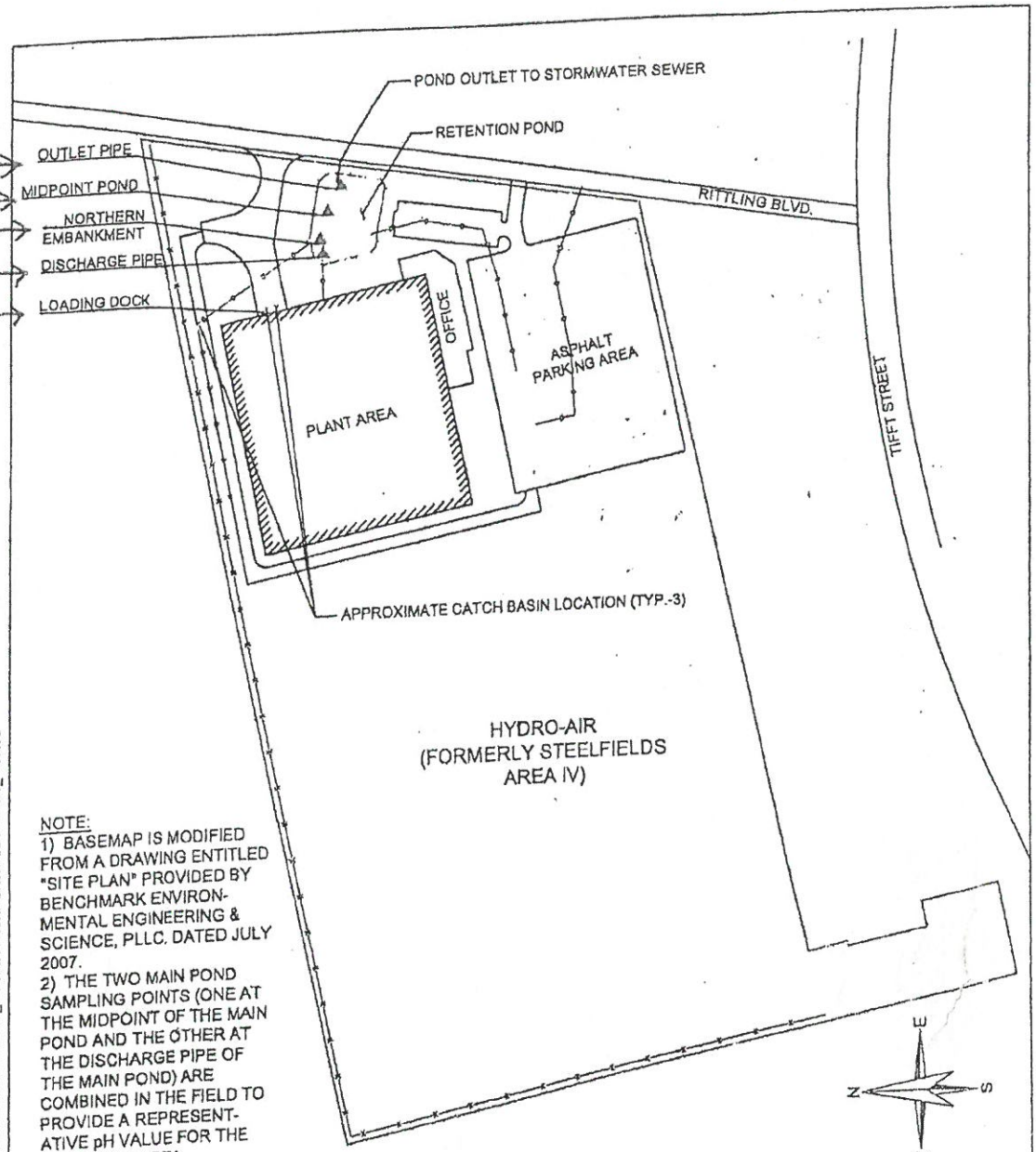
Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Dale A Barto	1/31/22 9:00 AM								2o4,000	Frozen	Sunny
Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
Dale A Barto	4/28/2022 9:30Am	10.00	40	7.10	41	6.00	42		155,400	Clear	Sunny
Dale A Barto	5/25/2022 9:00AM	11.00	68	6.00	66	6.00	70		43,900	Clear	Sunny
Dale A Barto	6/29/2022 9:00AM	10.00	65	6.00	64	6.30	68		55,300	Clear	Sunny
Dale A Barto	7/25/2022 9:00AM	8.00	71	7.00	70	6.00	68		32,120	Clear	Sunny
Dale A Barto	8/29/2022 9:00AM	7.00	69	7.00	69	6.00	69		20,100	clear	partly cloudy
Dale A Barto	9/29/2022 9:00AM	7.00	48	6.00	46	6.00	44		82,200	Clear	SUNNY
Dale A Barto											
Dale A BArto											
Dale A Barto											

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2022 9:00am	1.10	1.40	1.70	1.50	1.70	1.48
2/22/2022 9:00AM	1.15	1.50	1.75	1.55	1.75	1.54
3/28/2022 9:30AM	1.05	1.45	1.60	1.50	1.60	1.44
4/28/2022 9:30AM	1.10	1.50	1.55	1.55	1.70	1.48
5/25/2022 9:00AM	1.05	1.45	1.50	1.55	1.60	1.43
6/29/2022 9:00AM	1.15	1.50	1.55	1.65	1.70	1.51
7/25/2022 9:00aAM	1.15	1.50	1.55	1.65	1.75	1.52
8/29/2022 9:00AM	1.10	1.50	1.55	1.60	1.75	1.50
9/29/2022 9:00AM	1.15	1.40	1.50	1.50	1.65	1.44
						0.00
						0.00
						0.00

10/26/22 9:00 AM



PH7 53°
PH7 55°
PH7 57°
PH 8 56°

NOTE:
1) BASEMAP IS MODIFIED FROM A DRAWING ENTITLED "SITE PLAN" PROVIDED BY BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. DATED JULY 2007.
2) THE TWO MAIN POND SAMPLING POINTS (ONE AT THE MIDPOINT OF THE MAIN POND AND THE OTHER AT THE DISCHARGE PIPE OF THE MAIN POND) ARE COMBINED IN THE FIELD TO PROVIDE A REPRESENTATIVE pH VALUE FOR THE MAIN POND AREA.
3) ALL LOCATIONS ARE APPROXIMATE.

LEGEND:

- FENCE
- BCP PROPERTY BOUNDARY
- STORM WATER PIPE
- RETENTION POND MONITORING LOCATION
- APPROXIMATE CATCH BASIN LOCATION

HALEY ALDRICH

HYDRO AIR COMPONENTS, INC.
BUFFALO, NEW YORK

RETENTION POND
MONITORING LOCATIONS

SCALE: AS SHOWN
FEBRUARY 2014

FIGURE 1

1.60 / 1.50 / 1.50 / 1.35
SE / NE / NW / SW

1.00
Server Room

Gallons 95,400

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: _____ Project No.: _____

Project Location: _____ Client: _____

Preparer's Name: Pete Pike Date/Time: 10/26/22 9:00AM

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.39

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☒ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Dale A Barto	1/31/22 9:00 AM								2o4,000	Frozen	Sunny
Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
Dale A Barto	4/28/2022 9:30Am	10.00	40	7.10	41	6.00	42		155,400	Clear	Sunny
Dale A Barto	5/25/2022 9:00AM	11.00	68	6.00	66	6.00	70		43,900	Clear	Sunny
Dale A Barto	6/29/2022 9:00AM	10.00	65	6.00	64	6.30	68		55,300	Clear	Sunny
Dale A Barto	7/25/2022 9:00AM	8.00	71	7.00	70	6.00	68		32,120	Clear	Sunny
Dale A Barto	8/29/2022 9:00AM	7.00	69	7.00	69	6.00	69		20,100	clear	partly cloudy
Dale A Barto	9/29/2022 9:00AM	7.00	48	6.00	46	6.00	44		82,200	Clear	SUNNY
Dale A Barto	10/26/22 12:00 AM	8.00	56	7.00	57	7.00	55		95,400	CLEAR	SUNNY
Dale A BArto											
Dale A Barto											

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2022 9:00am	1.10	1.40	1.70	1.50	1.70	1.48
2/22/2022 9:00AM	1.15	1.50	1.75	1.55	1.75	1.54
3/28/2022 9:30AM	1.05	1.45	1.60	1.50	1.60	1.44
4/28/2022 9:30AM	1.10	1.50	1.55	1.55	1.70	1.48
5/25/2022 9:00AM	1.05	1.45	1.50	1.55	1.60	1.43
6/29/2022 9:00AM	1.15	1.50	1.55	1.65	1.70	1.51
7/25/2022 9:00aAM	1.15	1.50	1.55	1.65	1.75	1.52
8/29/2022 9:00AM	1.10	1.50	1.55	1.60	1.75	1.50
9/29/2022 9:00AM	1.15	1.40	1.50	1.50	1.65	1.44
10/26/2022 9:ooAM	1.00	1.60	1.50	1.50	1.35	1.39
						0.00
						0.00

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: | Project No.:

Project Location: | Client:

Preparer's Name: Pete Pike | Date/Time: 11/29/25

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☐ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.43

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change In Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☒ no

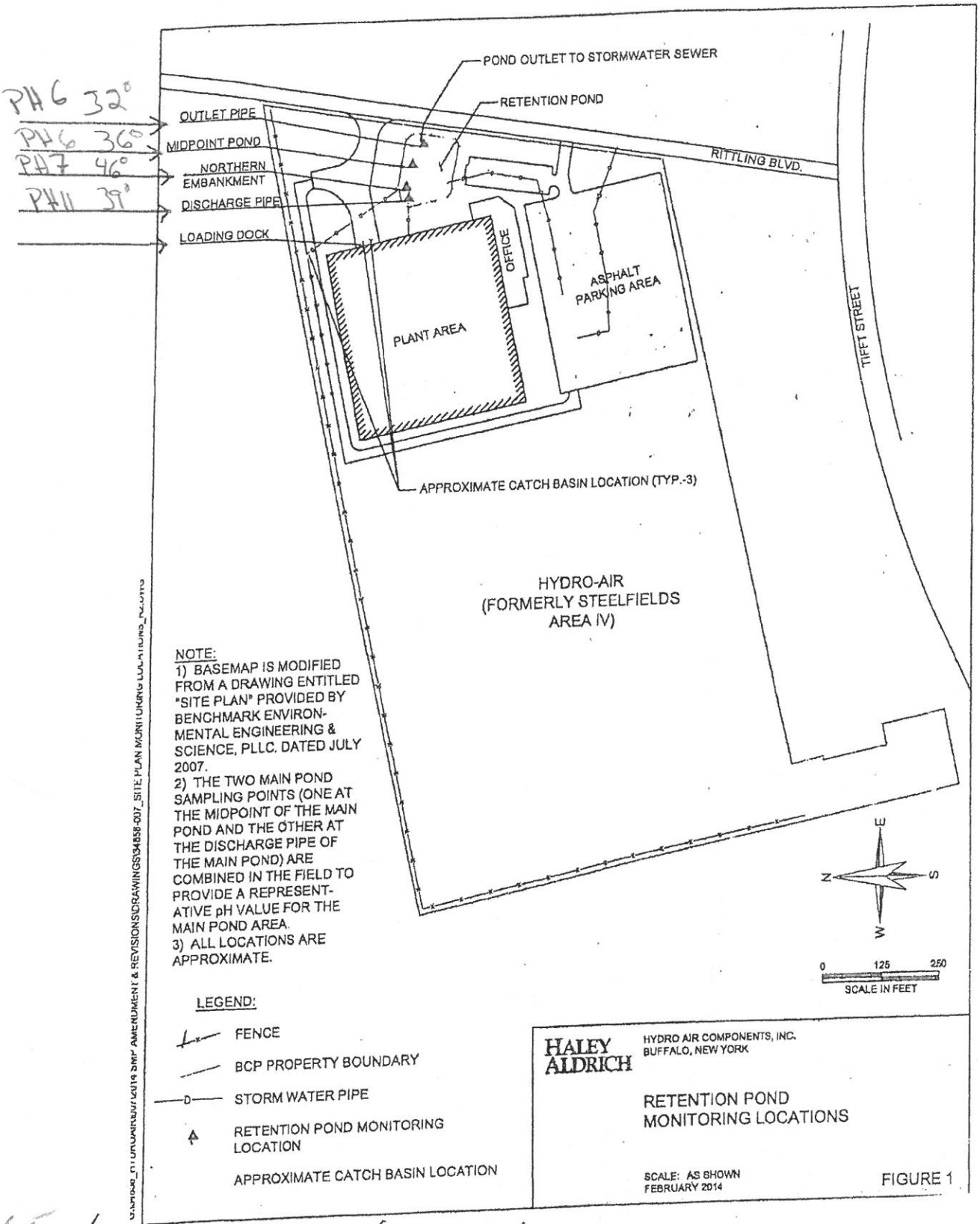
If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

11/29/22



PH6 32°
PH6 36°
PH7 46°
PH11 39°

1.65 / SE

/ 1.55 NE

/ 1.40 NW

/ SW

1.00
Server Room

Gallons 362,200

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	[illegible]. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2022 9:00am	1.10	1.40	1.70	1.50	1.70	1.48
2/22/2022 9:00AM	1.15	1.50	1.75	1.55	1.75	1.54
3/28/2022 9:30AM	1.05	1.45	1.60	1.50	1.60	1.44
4/28/2022 9:30AM	1.10	1.50	1.55	1.55	1.70	1.48
5/25/2022 9:00AM	1.05	1.45	1.50	1.55	1.60	1.43
6/29/2022 9:00AM	1.15	1.50	1.55	1.65	1.70	1.51
7/25/2022 9:00aAM	1.15	1.50	1.55	1.65	1.75	1.52
8/29/2022 9:00AM	1.10	1.50	1.55	1.60	1.75	1.50
9/29/2022 9:00AM	1.15	1.40	1.50	1.50	1.65	1.44
10/26/2022 9:ooAM	1.00	1.60	1.50	1.50	1.35	1.39
11/29/22 9:00AM	1.00	1.65	1.55	1.55	1.40	1.43
						0.00

2 S.F

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Dale A Barto	1/31/22 9:00 AM								2o4,000	Frozen	Sunny
Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
Dale A Barto	4/28/2022 9:30Am	10.00	40	7.10	41	6.00	42		155,400	Clear	Sunny
Dale A Barto	5/25/2022 9:00AM	11.00	68	6.00	66	6.00	70		43,900	Clear	Sunny
Dale A Barto	6/29/2022 9:00AM	10.00	65	6.00	64	6.30	68		55,300	Clear	Sunny
Dale A Barto	7/25/2022 9:00AM	8.00	71	7.00	70	6.00	68		32,120	Clear	Sunny
Dale A Barto	8/29/2022 9:00AM	7.00	69	7.00	69	6.00	69		20,100	clear	partly cloudy
Dale A Barto	9/29/2022 9:00AM	7.00	48	6.00	46	6.00	44		82,200	Clear	SUNNY
Dale A Barto	10/26/22 12:00 AM	8.00	56	7.00	57	7.00	55		95,400	CLEAR	SUNNY
Dale A BArto	11/29/22 9:00AM	11.00	39.00	7.00	46.00	6.00	32.00		362,200	CLEAR	CLOUDY
Dale A Barto											

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

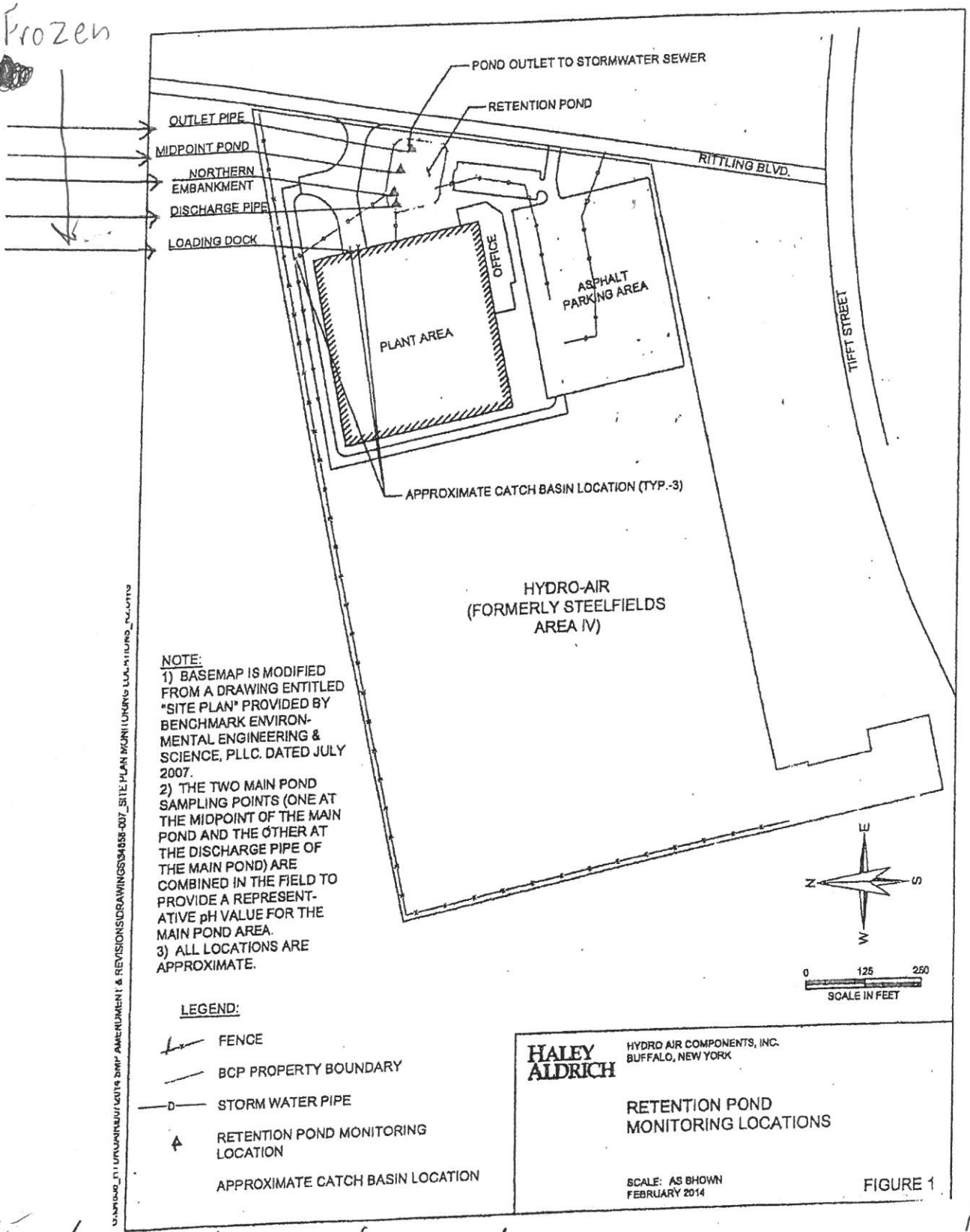
In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Dale A Barto	1/31/22 9:00 AM								2o4,000	Frozen	Sunny
Dale A Barto	2/22/2022 9:00am								481,600	Frozen	Cloudy
Dale A Barto	3/28/2022 9:30AM								177,300	Frozen	Cloudy
Dale A Barto	4/28/2022 9:30Am	10.00	40	7.10	41	6.00	42		155,400	Clear	Sunny
Dale A Barto	5/25/2022 9:00AM	11.00	68	6.00	66	6.00	70		43,900	Clear	Sunny
Dale A Barto	6/29/2022 9:00AM	10.00	65	6.00	64	6.30	68		55,300	Clear	Sunny
Dale A Barto	7/25/2022 9:00AM	8.00	71	7.00	70	6.00	68		32,120	Clear	Sunny
Dale A Barto	8/29/2022 9:00AM	7.00	69	7.00	69	6.00	69		20,100	clear	partly cloudy
Dale A Barto	9/29/2022 9:00AM	7.00	48	6.00	46	6.00	44		82,200	Clear	SUNNY
Dale A Barto	10/26/22 12:00 AM	8.00	56	7.00	57	7.00	55		95,400	CLEAR	SUNNY
Dale A BArto	11/29/22 9:00AM	11.00	39.00	7.00	46.00	6.00	32.00		362,200	CLEAR	CLOUDY
Pete Pike	12/22/22 9:00AM								318,200	FROZEN	CLOUDY

9:00 AM
12/22/22

Frozen

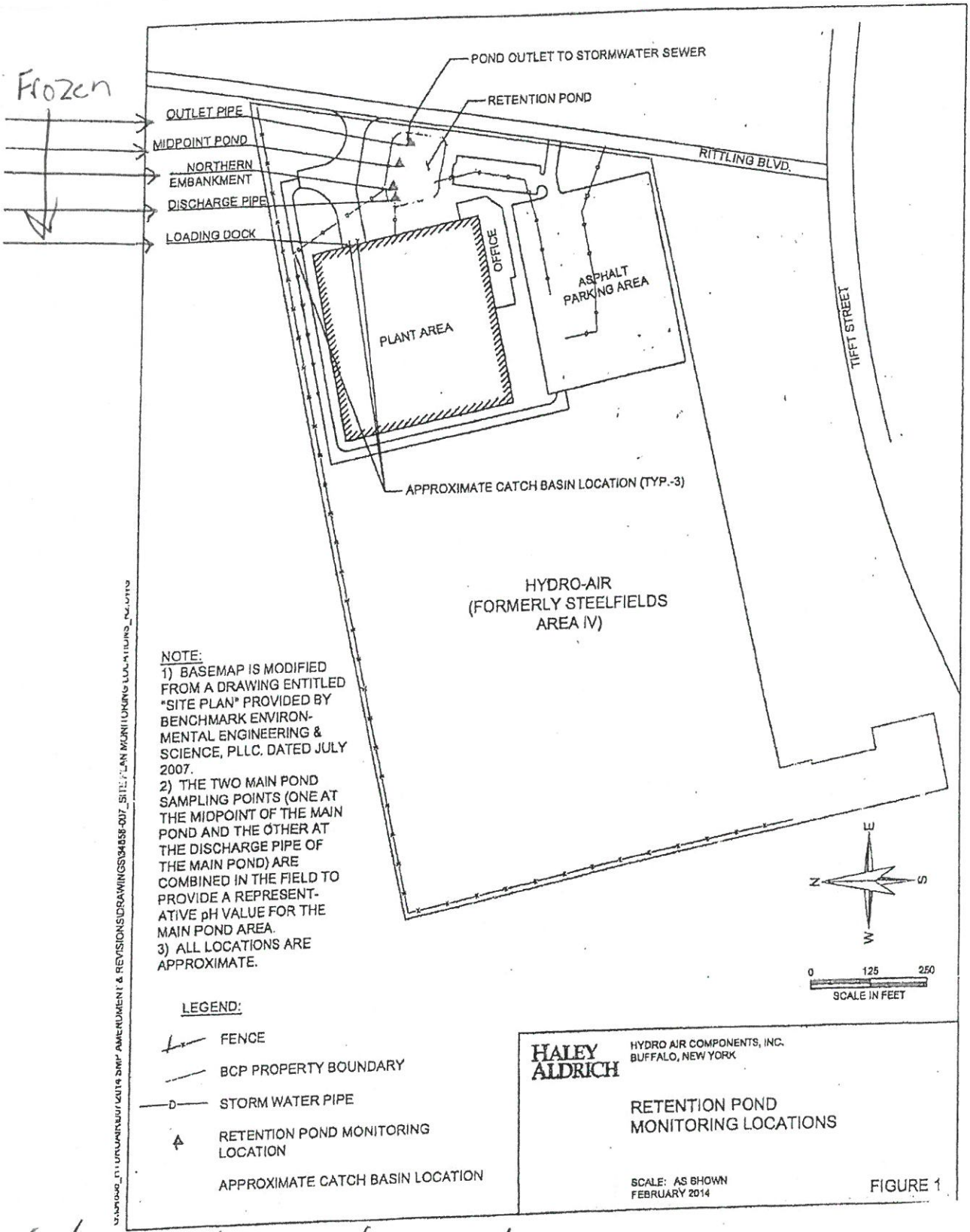


1.45 / 1.50 / 1.55 / 1.65 / 1.10

SE / NE / NW / SW / Server Room

Gallons 318,200

9:00 AM



1.45 SE / 1.60 NE / 1.60 NW / 1.65 SW /

1.15 Server Room

50,300 Gallons

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
#4 N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.49

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

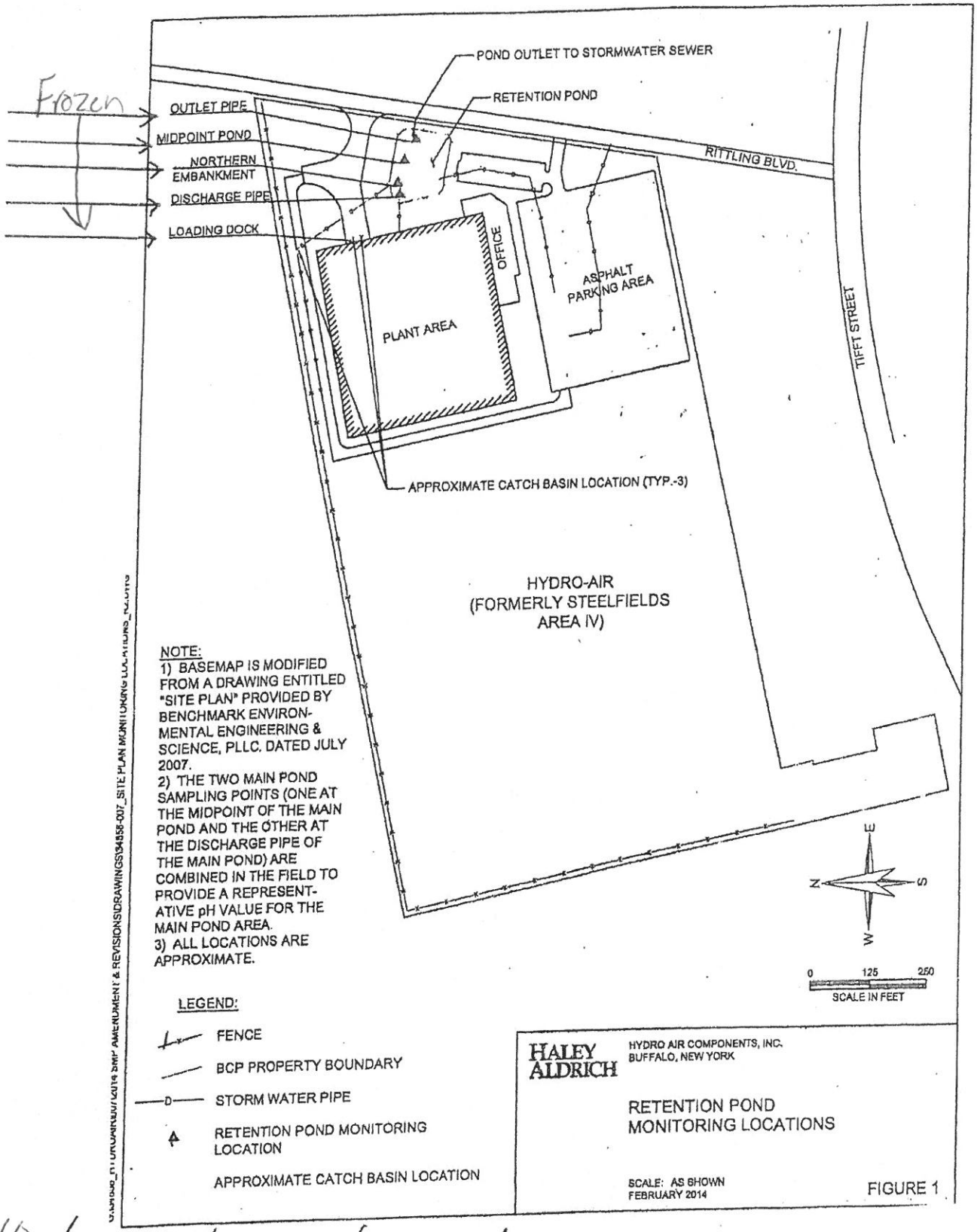
If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

9:00 AM



1.40 / 1.55 / 1.55 / 1.65 /

SE NE NW SW

1.05

Server Room

Gallons 196,300

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.15

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change In Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

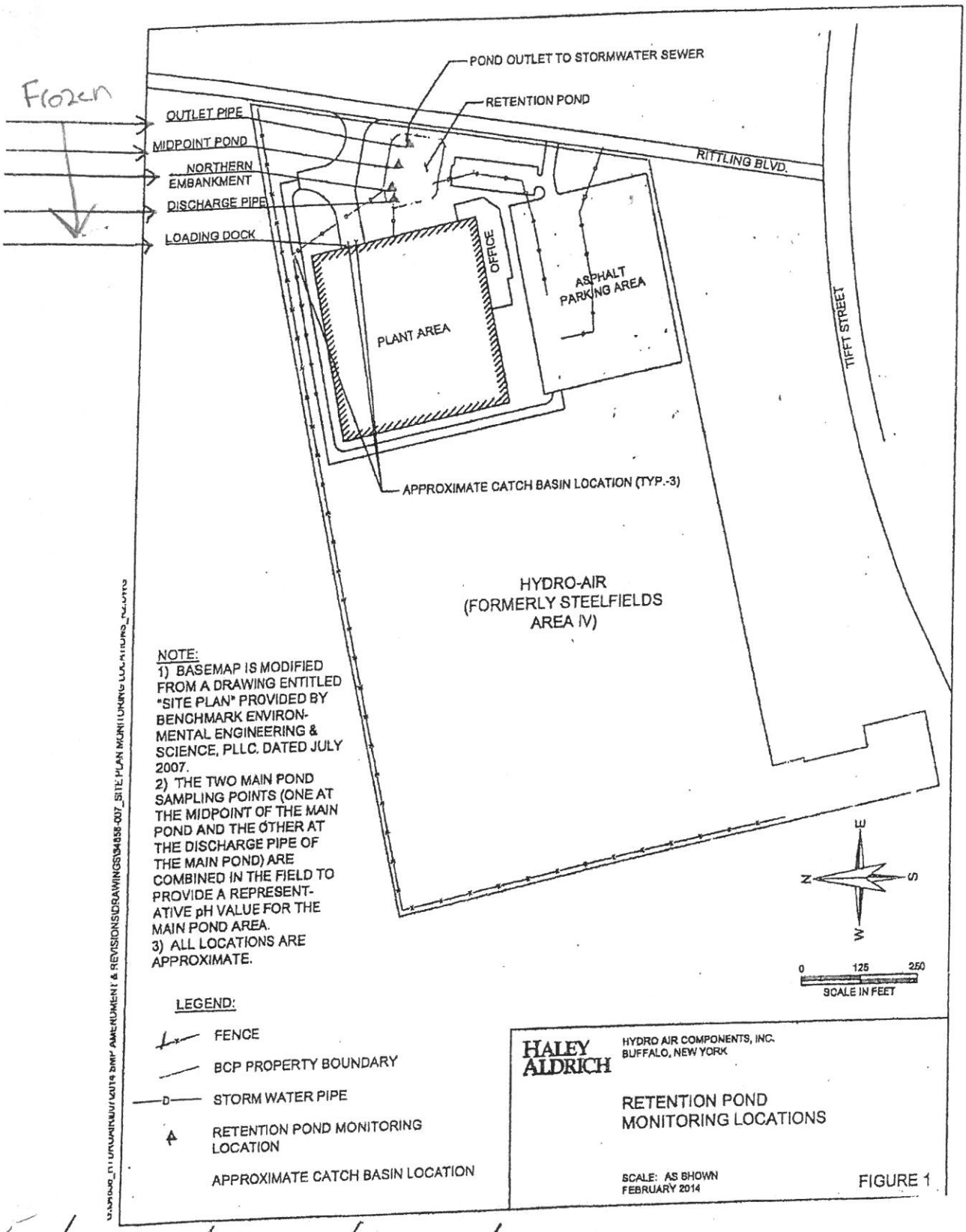
Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
PetePike	2/28/2023 9:00 AM								196,300		Frozen

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00

3-30-23 9:00 AM



1.45 / 1.65 / 1.65 / 1.65 /

SE / NE / NW / SW /

@ 95

Server Room

Gallons 275,400

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
PetePike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00Am								275,400		Frozen

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.23

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

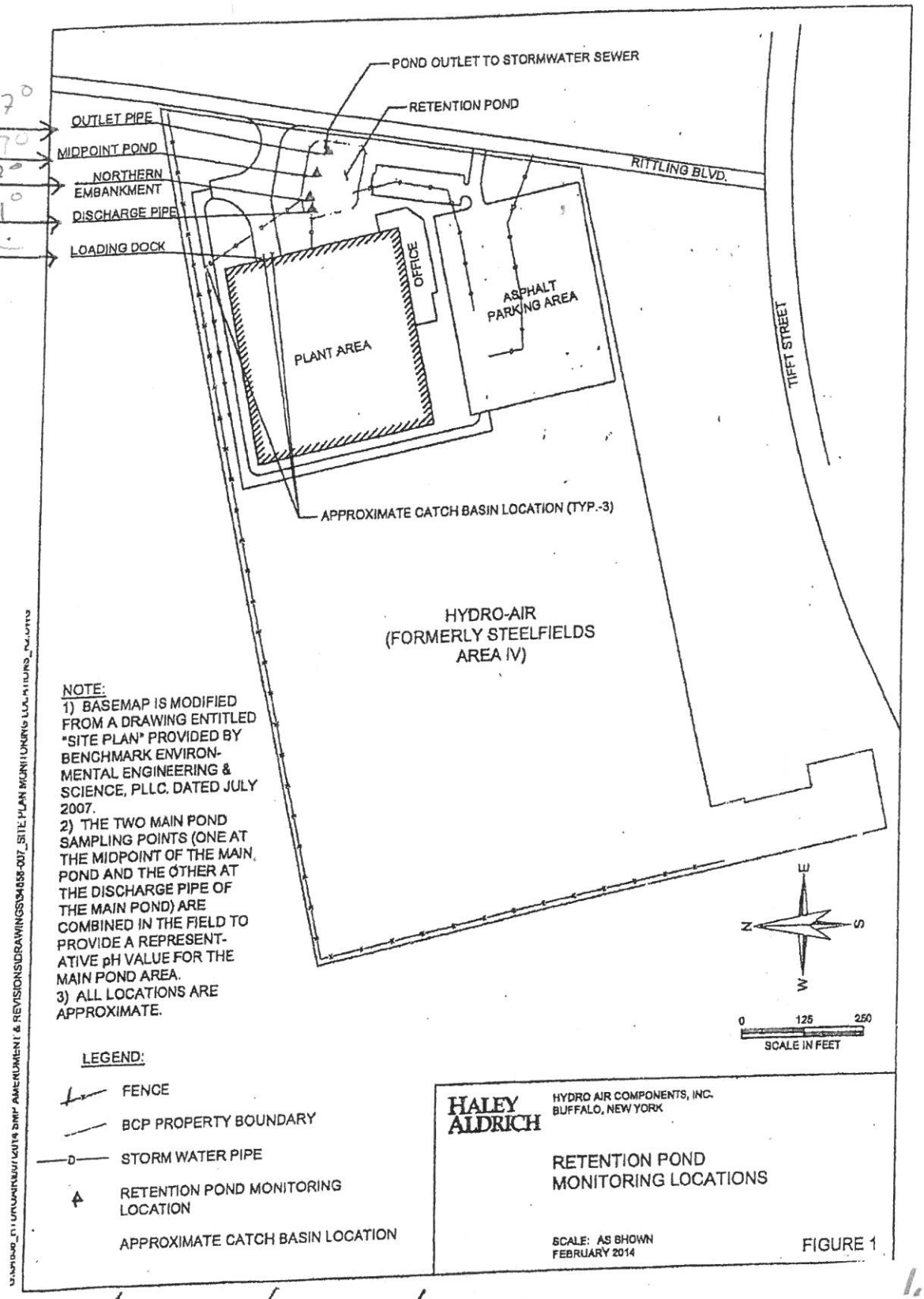
Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

4-27-23

9:00 Am

PH 5.5 47°
PH 6 47°
PH 8.5 47°
PH 10 51°



1.40 SE / 1.55 NE / 1.60 NW / 1.65 SW /

257,500 Gallons

1.60 Server Room

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.14

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00 AM								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy

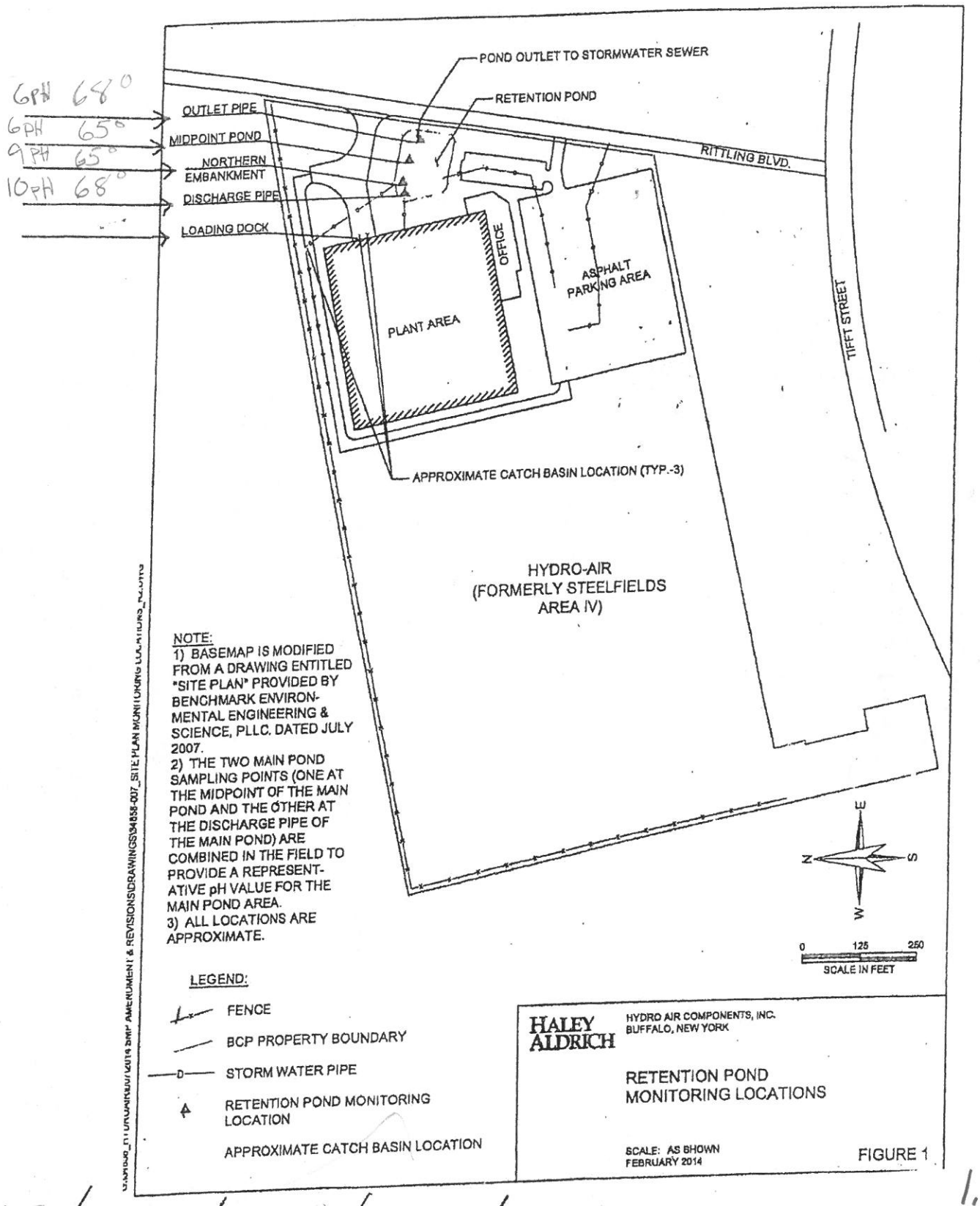
Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00

5-26-23

9:00 AM



6PH 68°
6PH 65°
9PH 65°
10PH 68°

1.45 SE / 1.60 NE / 1.65 NW / 1.70 SW /

1.05 Server Room

99,300 Gallons

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.30

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
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Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00 AM								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy/
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Overcast

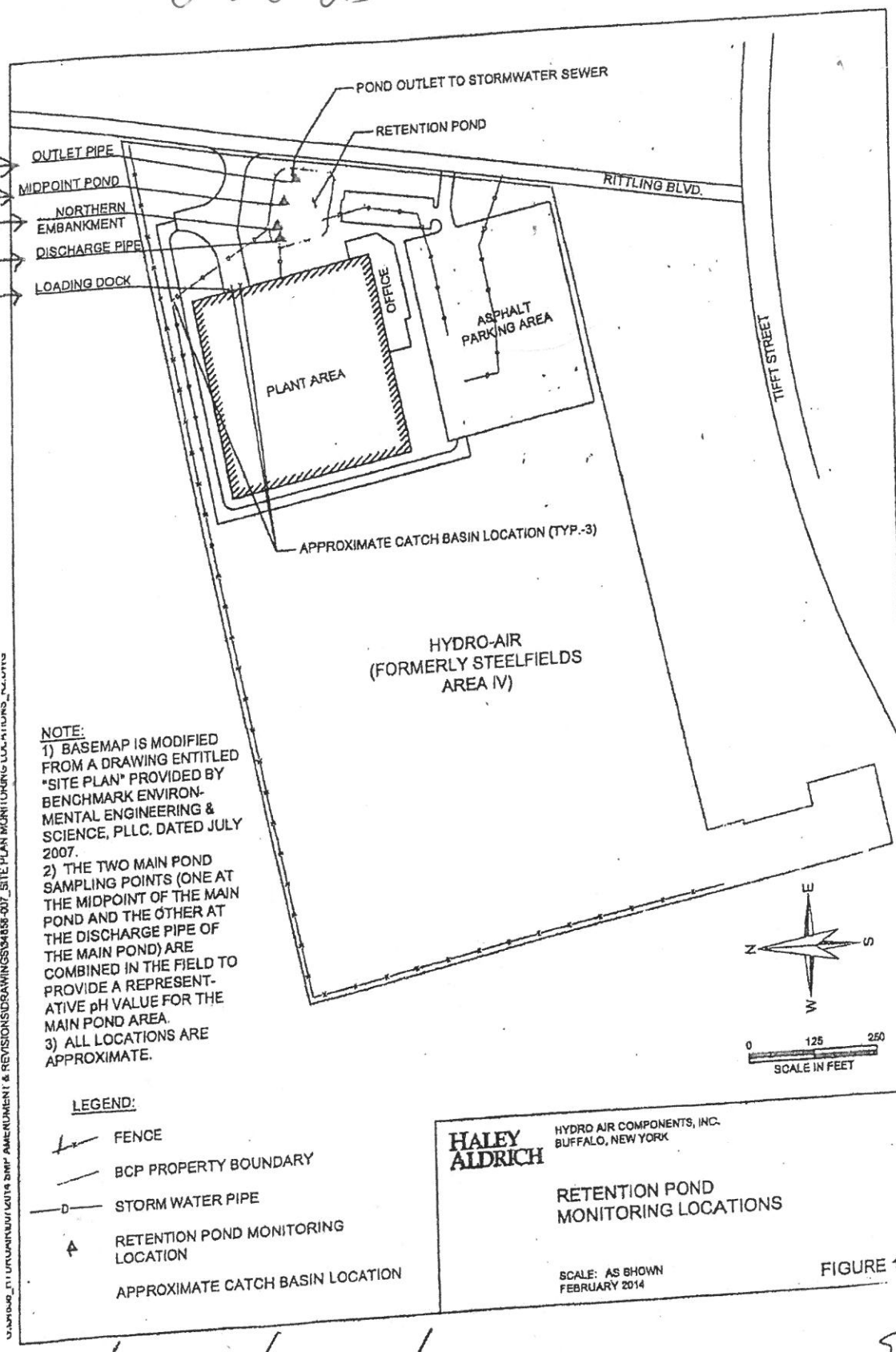
Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23 0.00
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.38

6-28-23

7:00 AM



PH 7.5 70°
PH 7.5 69°
PH 6 79°
PH 7.5 71°

1.05
Server Room

1.50 / 1.65 / 1.70 / 1.75
SE / NE / NW / SW

48,700 Gallons

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.54

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
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Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23 0.00
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.30
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00AM								196,300		Frozen
Pete Pike	3/30/2023 9:00Am								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy/ Over cast
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny

7-31-23

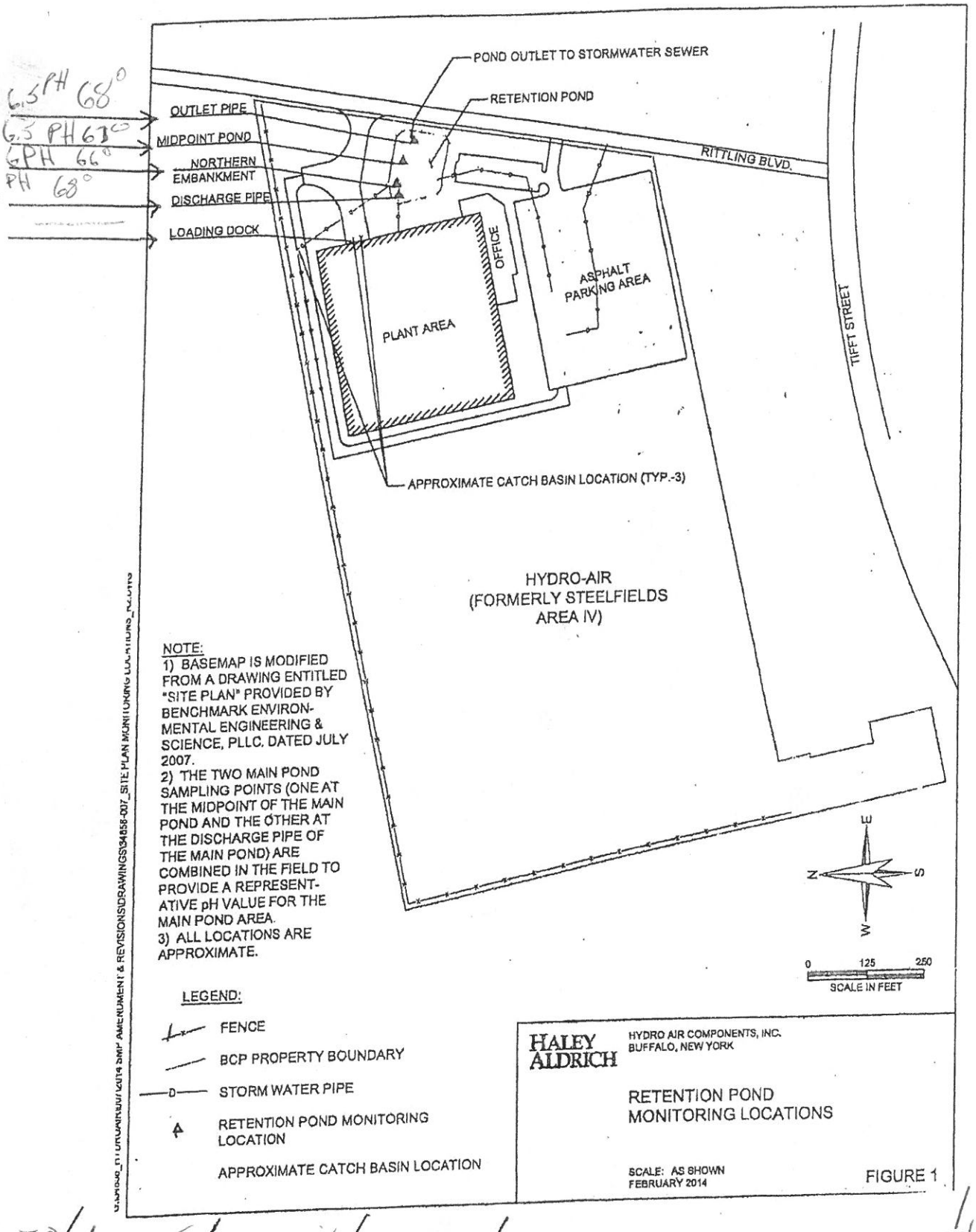
9:00AM

6.5 PH 68°

6.5 PH 67°

6 PH 66°

6 PH 68°



1.50 / 1.65 / 1.65 / 1.75 /

SE NE NW SW

57,100 Gallons

1.10

Server Room

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15 1.23 0.00
3/30/2023	.95	1.45	1.65	1.65	1.65	
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.30
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57

Loading Dock Discharge Monitoring Form
Hydro-Air Components, Inc.
BCP Site #C915204, Buffalo, NY

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00AM								196,300		Frozen
Pete Pike	3/30/2023 9:00Am								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00AM	6	68	6	66	6.5	67		57,100		Cloudy

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: Project No.:

Project Location: Client:

Preparer's Name: Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.57

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

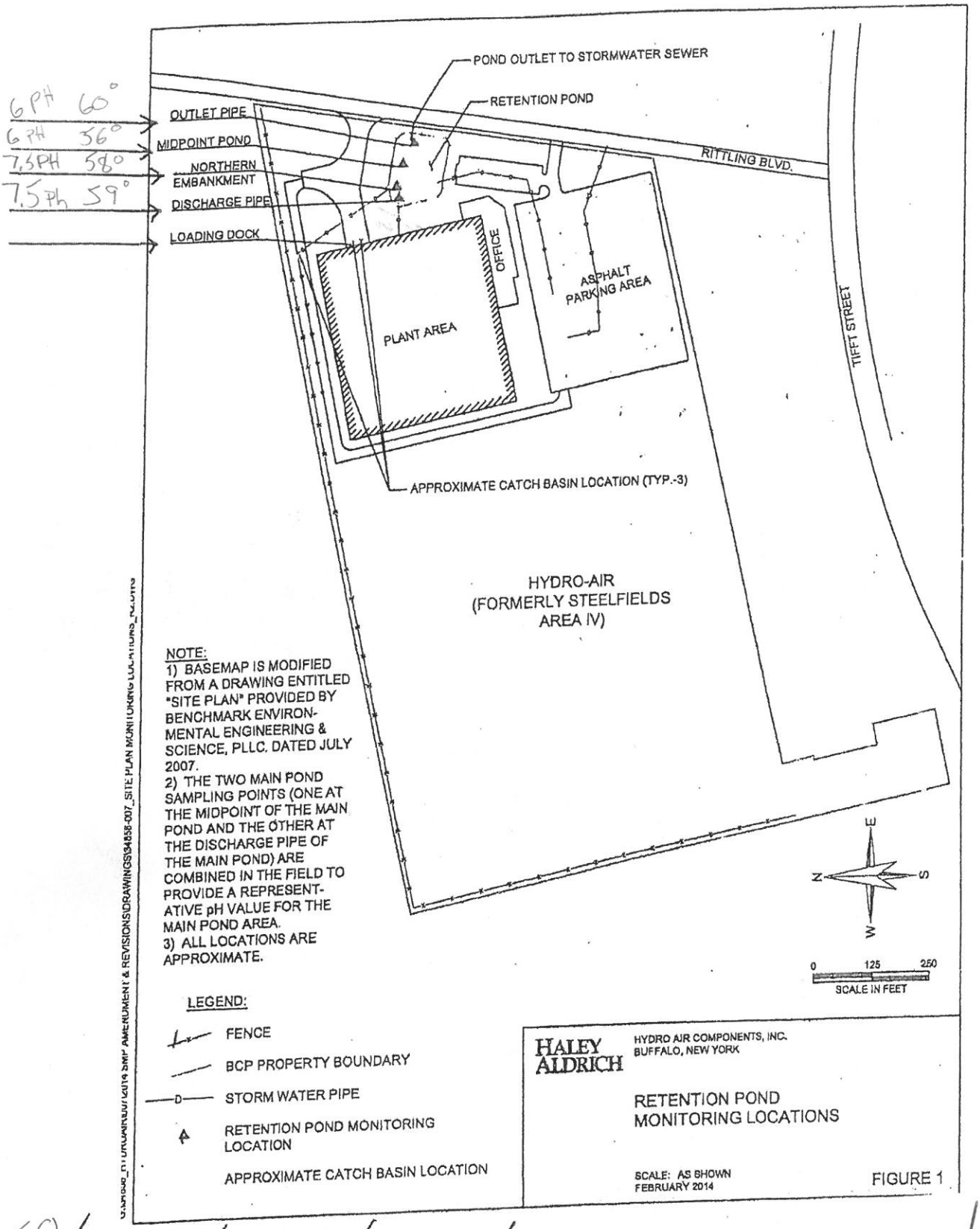
If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

8-31-23 9:00 Am



6 PH 60°
6 PH 56°
7.5 PH 58°
7.5 Ph 59°

1.50 / 1.65 / 1.65 / 1.75 /
SE / NE / NW / SW /

1.05
Server Room

51,600 Gallons

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.50

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

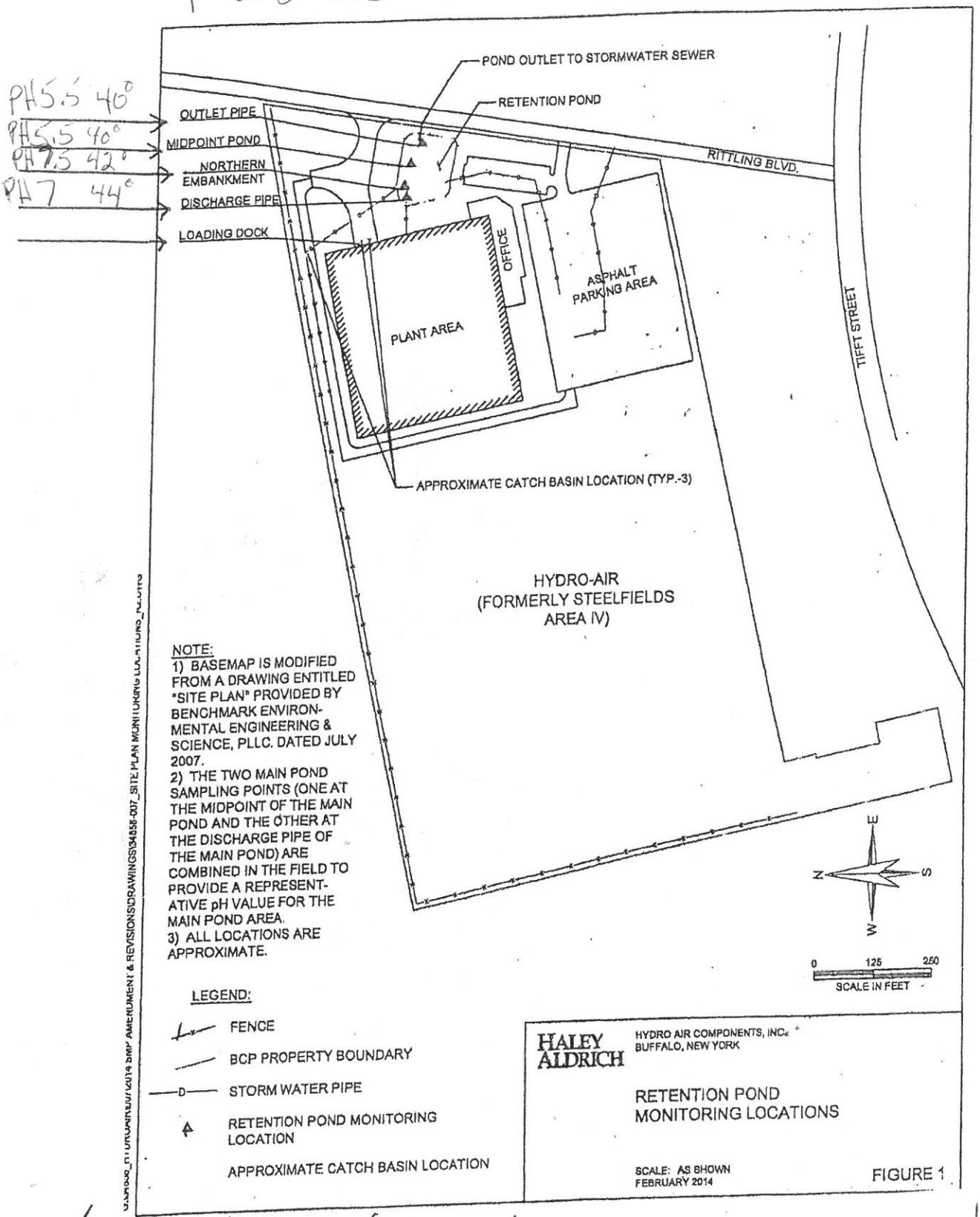
Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00AM								196,300		Frozen
Pete Pike	3/30/2023 9:00Am								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00AM	6	65	6	66	6.5	67		57,100		Cloudy
Pete Pike	8/31/23 9:00AM	7.5	59	7.5	58	6	56		51,600		Sunny

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.38
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57
8-31-2023	1.05	1.50	1.65	1.65	1.75	1.50

9-28-23 9:00 AM



PH 5.5 40°
PH 5.5 40°
PH 7.5 42°
PH 7 44°

1.60 SE / 1.70 NE / 1.65 NW / 1.70 SW / Gallons 43,800

1.10 Server Room

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.62

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☒ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

In accordance with

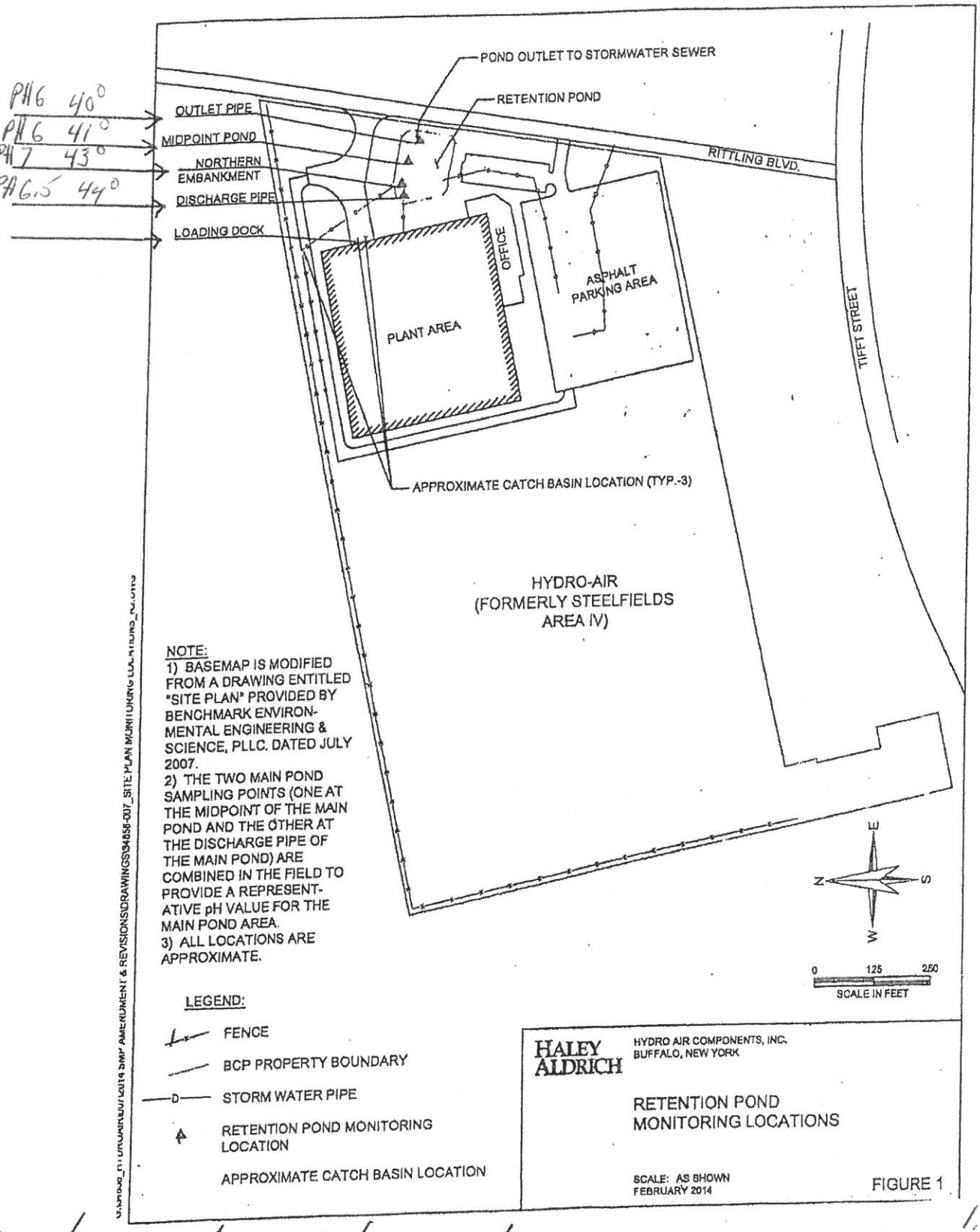
1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00 AM								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00AM	6	66	6	66	6.5	67		57,100		Cloudy
Pete Pike	8/31/23 9:00AM	7.5	59	7.5	58	6	56		51,600		Sunny
Pete Pike	9-28-23 9:00	7	44°	7.5	42°	5.5	40°		43,800		sunny

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Aver
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.4
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.2
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.30
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57
8-31-2023	1.05	1.50	1.65	1.65	1.75	1.50
9-28-2023	1.10	1.60	1.70	1.60	1.70	1.62

10-26-23 9:00 Am



PH6 40°
PH6 41°
PH7 43°
PH6.5 44°

1.60 SE / 1.70 NE / 1.65 NW / 1.70 SW /

1.05 Server Room

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name:	Project No.:
Project Location:	Client:
Preparer's Name:	Date/Time:

Notes:

Monthly Operating Status:

System(s) currently running? ☒ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☒ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.60

Visual Inspection:

Any piping disconnected?	☐ yes	☒ no
Any cracks visible in piping?	☐ yes	☒ no
Any new cracks visible in slab floor?	☐ yes	☒ no
Magnehelic guage reading 0?	☐ yes	☒ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23
4-25-2023	1.00	1.40	1.55	1.60	1.65	0.00
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.14
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.30
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.54
8-31-2023	1.05	1.50	1.65	1.65	1.75	1.57
9-28-2023	1.10	1.60	1.70	1.60	1.70	1.50
10-26-2023	1.05	1.60	1.70	1.65	1.70	1.62
						1.60

In accordance with

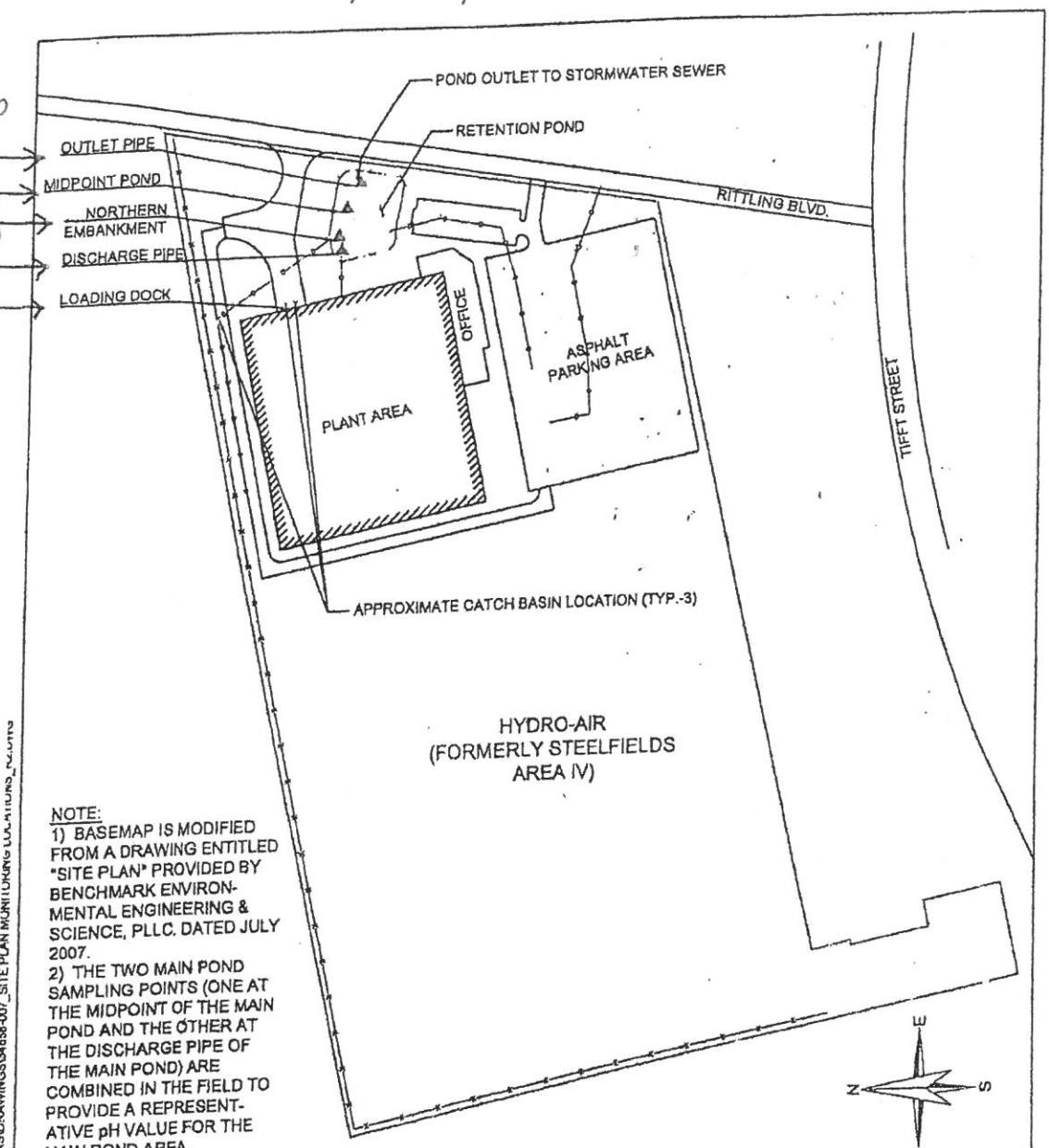
1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00 Am								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00 AM	6	65	6	66	6.5	67		57,100		Cloudy
Pete Pike	8/31/23 9:00 AM	7.5	59	7.5	58	6	56				Sunny
Pete Pike	9/28/23 9:00 A	7	44°	7.5	42°	5.5	40°		51,600		
Pete Pike	10-26-23 9:00	6.5	44°	7	43°	6	41°		43,800		Sunny
									40,500		Sunny

11/27/23

9:00 Am

pH 6 39°
pH 6 40°
pH 9 44°
pH 10 44°



NOTE:
1) BASEMAP IS MODIFIED FROM A DRAWING ENTITLED "SITE PLAN" PROVIDED BY BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. DATED JULY 2007.
2) THE TWO MAIN POND SAMPLING POINTS (ONE AT THE MIDPOINT OF THE MAIN POND AND THE OTHER AT THE DISCHARGE PIPE OF THE MAIN POND) ARE COMBINED IN THE FIELD TO PROVIDE A REPRESENTATIVE pH VALUE FOR THE MAIN POND AREA.
3) ALL LOCATIONS ARE APPROXIMATE.

LEGEND:

- FENCE
- BCP PROPERTY BOUNDARY
- STORM WATER PIPE
- RETENTION POND MONITORING LOCATION
- APPROXIMATE CATCH BASIN LOCATION

HALEY ALDRICH

HYDRO AIR COMPONENTS, INC.
BUFFALO, NEW YORK

RETENTION POND
MONITORING LOCATIONS

SCALE: AS SHOWN
FEBRUARY 2014

FIGURE 1

1.60 SE

1.55 NE

1.55 NW

1.65 SW

1.10 Server Room

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: ZETHNDER RITTLING | Project No.:

Project Location: 100 RITTLING BLVD BUFFALO | Client:

Preparer's Name: MAURO BARRY | Date/Time: 11/27/23 10:00 AM

Notes:

Monthly Operating Status:

System(s) currently running? ☑ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☑ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.60

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? MANUFACTURING

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00AM								196,300		Frozen
Pete Pike	3/30/2023 9:00Am								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00AM	6	66	6	66	6.5	67		57,100		Cloudy
Pete Pike	8/31/23 9:00AM	7.5	59	7.5	58	6	56		51,600		Sunny
Pete Pike	9/28/23 9:00A	7	44°	7.5	42°	5.5	40°		43,800		Sunny
Pete Pike	10-26-23 9:00	6.5	44°	7	43°	6	41°		40,500		Sunny
J. Stephens	11-27-2023	6	39°	6	40°	9	44°		348,400		Cold - Cloudy

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23 0.00
4-27-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.38
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57
8-31-2023	1.05	1.50	1.65	1.65	1.75	1.50
9-28-2023	1.10	1.60	1.70	1.60	1.70	1.62
10-26-2023	1.05	1.60	1.70	1.65	1.70	1.60
11-27-2023	1.10	1.60	1.55	1.55	1.65	1.58

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00 Am								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00AM	6	65	6	66	6.5	67		57,100		Cloudy
Pete Pike	8/31/23 9:00AM	7.5	59	7.5	58	6	56		51,600		Sunny
Pete Pike	9/28/23 9:00A	7	44°	7.5	42°	5.5	40°		43,800		Sunny
Pete Pike	10-26-23 9:00	6.5	44°	7	43°	6	41°		40,500		Sunny
J. Stephens	11-27-2023	6	39°	6	40°	9	44°		348,400		Cold - Cloudy
J. Stephens	12-28-2023	frozen			10:00 AM				191,300		frozen

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.30
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57
8-31-2023	1.05	1.50	1.65	1.65	1.75	1.50
9-28-2023	1.10	1.60	1.70	1.60	1.70	1.62
10-26-2023	1.05	1.60	1.70	1.65	1.70	1.60
11-27-2023	1.10	1.40	1.56	1.54	1.58	1.58
12-28-2023					1.65	1.45

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: Zehnder Rittling | Project No.:

Project Location: 100 Rittling BLVD Buffalo | Client:

Preparer's Name: Jared Stephens | Date/Time: 12/28/23 10:00 AM

Notes:

Monthly Operating Status:

System(s) currently running? ☑ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☑ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.45

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

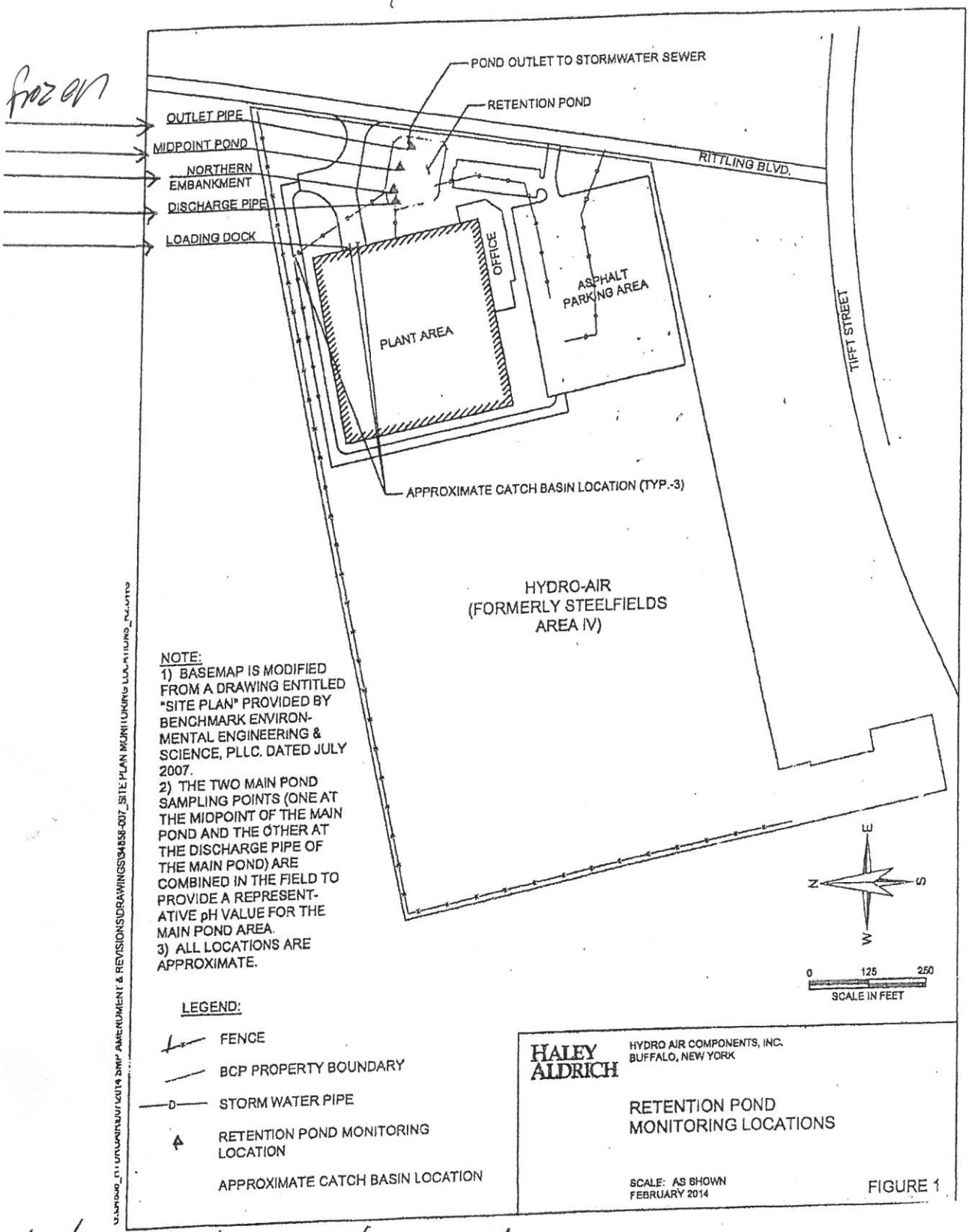
If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

1/30/24 7:00 AM



frozen

1.31 / 1.53 / 200 / 1.54 /

SE / NE / NW / SW /

309,200 gallons of water

1.5

Server Room

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: Zehnder Rittling Project No.:

Project Location: 100 Rittling BLVD Buffalo Client:

Preparer's Name: Jared Stephens Date/Time: 1-30-24 7:00 AM

Notes:

Monthly Operating Status:

System(s) currently running? ☑ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☑ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.50

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00 AM								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00 AM	6	65	6	66	6.5	67		57,100		Cloudy
Pete Pike	8/31/23 9:00 AM	7.5	59	7.5	58	6	56		51,600		Sunny
Pete Pike	9/28/23 9:00 A	7	44°	7.5	42°	5.5	40°		43,800		Sunny
Pete Pike	10-26-23 9:00	6.5	44°	7	43°	6	41°		40,500		Sunny
J. Stephens	11-27-2023	6	39°	6	40°	9	44°		348,400		Cold - Cloudy
J. Stephens	12-28-2023	frozen			10:00 AM				151,300		frozen
J. Stephens	1-30-2024	frozen			7:00 AM				309,200		frozen

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.38
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57
8-31-2023	1.05	1.50	1.65	1.65	1.75	1.50
9-28-2023	1.10	1.60	1.70	1.60	1.70	1.62
10-26-2023	1.05	1.60	1.70	1.65	1.70	1.60
11-27-2023	1.10	1.40	1.56	1.54	1.58	1.58
12-28-2023	1.10	1.40	1.56	1.54	1.58	1.45
1-30-2024	1.5	1.37	1.53	200	1.54	1.50

2023

2024

2-26-24

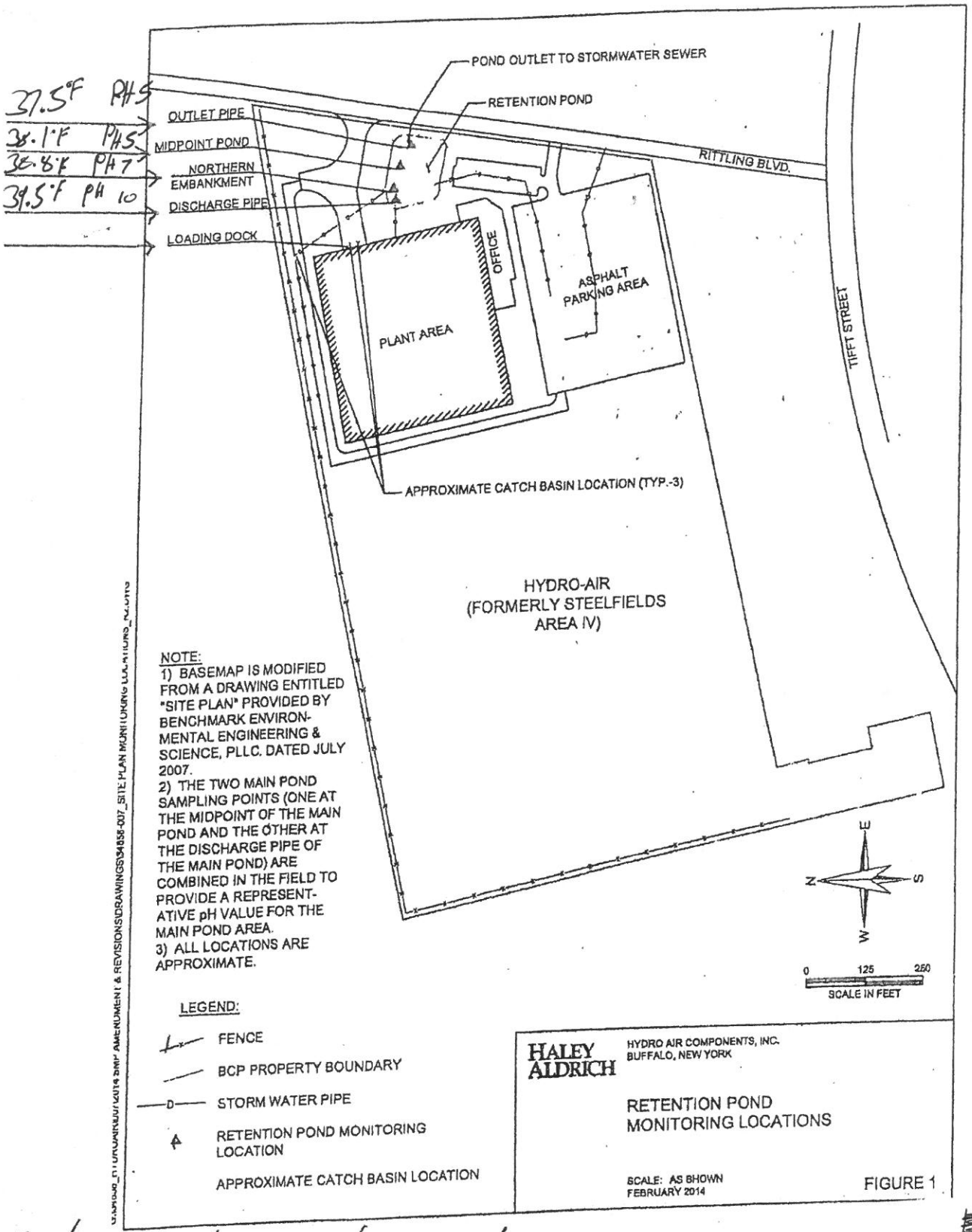
9:00 AM

37.5°F PH 5

38.1°F PH 5

38.8°F PH 7

39.5°F PH 10



172,220 gal

1.05

Server Room

1.35 SE / 1.55 NE / 1.30 NW / 1.50 SW

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: Schneider Rifflin Project No.:

Project Location: 100 Rifflin BLVD Buffalo Client:

Preparer's Name: Jared Stephens Date/Time: 2-26-24 9:00 Am

Notes:

Monthly Operating Status:

System(s) currently running? ☑ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☑ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.39

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

	Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
	1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2023	2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
	3/30/2023	.95	1.45	1.65	1.65	1.65	1.23 0.00
	4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
	5-26-2023	1.05	1.45	1.60	1.65	1.70	1.30
	6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
	7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57
	8-31-2023	1.05	1.50	1.65	1.65	1.75	1.50
	9-28-2023	1.10	1.60	1.70	1.60	1.70	1.62
	10-26-2023	1.05	1.60	1.70	1.65	1.70	1.60
	11-27-2023	1.10	1.40	1.56	1.54	1.58	1.45
2024	1-30-2024	1.5	1.37	1.53	200	1.54	1.50
	2-26-2024	1.05	1.35	1.55	1.50	1.50	1.39

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300		FROZEN
Pete Pike	2/28/2023 9:00 AM								196,300		Frozen
Pete Pike	3/30/2023 9:00 AM								275,400		Frozen
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		275.500		Cloudy
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		257.500		Over cast
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		48,700		Sunny
Pete Pike	7/31/23 9:00 AM	6	65	6	66	6.5	67		57,100		Cloudy
Pete Pike	8/31/23 9:00 AM	7.5	59	7.5	58	6	56		51,600		Sunny
Pete Pike	9/28/23 9:00 A	7	44°	7.5	42°	5.5	40°		43,800		Sunny
Pete Pike	10-26-23 9:00	6.5	44°	7	43°	6	41°		40,500		Sunny
J. Stephens	11-27-2023	6	39°	6	40°	9	44°		348,400		Cold - Cloudy
J. Stephens	12-28-2023	frozen		10:00 AM					151,300		frozen
J. Stephens	1-30-2024	frozen		7:10 AM		5	38.1		309,200		frozen
J. Stephens	1-26-2024	10	39.5	7	38.8				170,100		Sunny

Magnehelic Readings

#1 Server Room Office
#2 S.E. Corner Cell 600/800
#3 N.E. Corner Warehouse
N.W. Corner Cell 200
#5 S.W. Corner Cell 100

2023

Date	#1 Server Room	#2 S.E. Corner	#3 N.E. Corner	#4 N.W. Corner	#5 S.W. Corner	Average
1/31/2023	1.15	1.45	1.60	1.60	1.65	1.49
2/28/2023	1.05	1.40	1.55	1.55	1.65	1.15
3/30/2023	.95	1.45	1.65	1.65	1.65	1.23 0.00
4-25-2023	1.00	1.40	1.55	1.60	1.65	1.14
5-26-2023	1.05	1.45	1.60	1.65	1.70	1.30
6-28-2023	1.05	1.50	1.65	1.70	1.75	1.54
7-31-2023	1.10	1.50	1.65	1.65	1.75	1.57
8-31-2023	1.05	1.50	1.65	1.65	1.75	1.50
9-28-2023	1.10	1.60	1.70	1.60	1.70	1.62
10-26-2023	1.05	1.60	1.70	1.65	1.70	1.60
11-27-2023	1.10	1.60	1.55	1.55	1.65	1.58
12-28-2023	1.10	1.40	1.56	1.54	1.58	1.45

2024

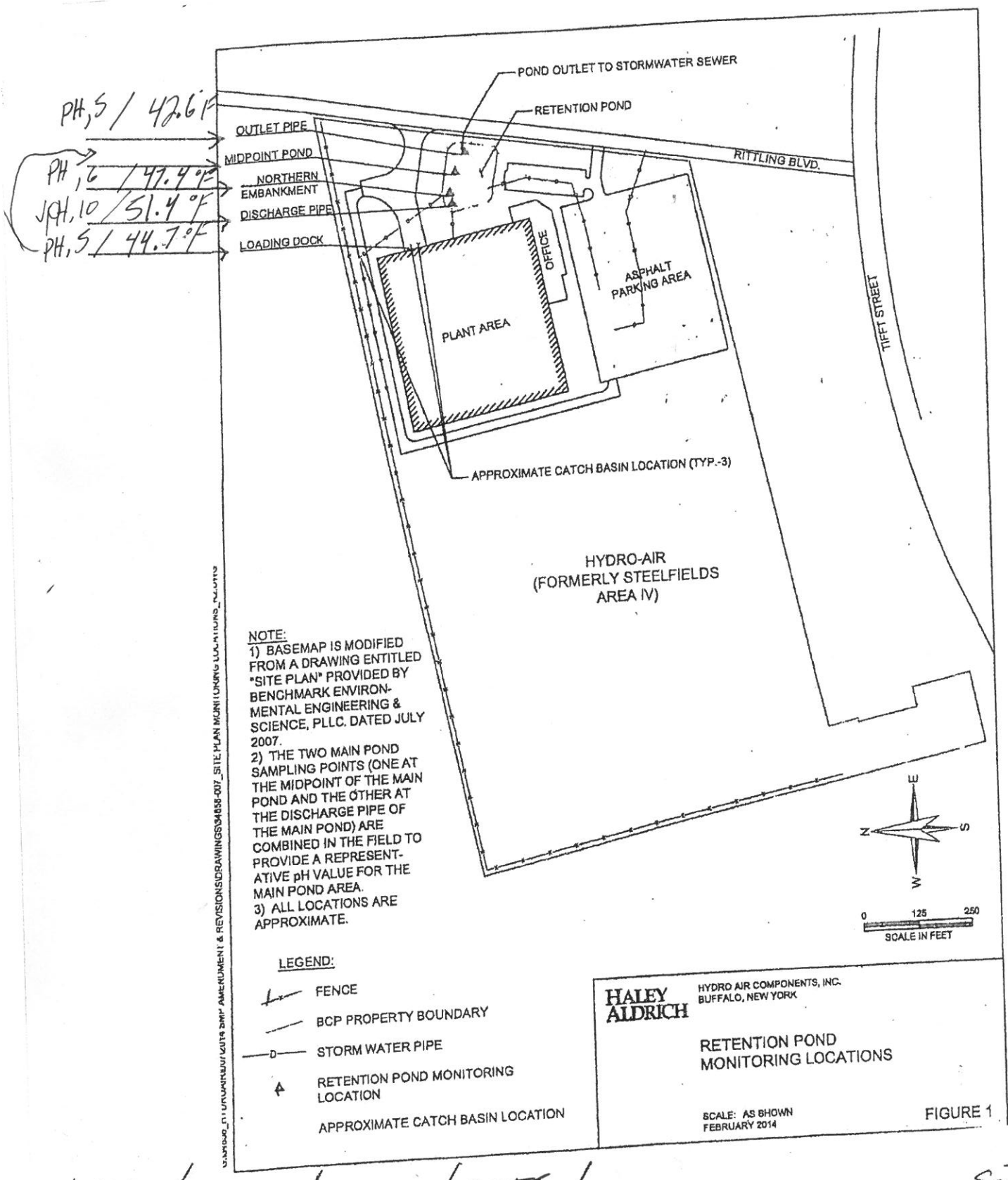
1-30-2024	1.5	1.37	1.53	200	1.54	1.50
2-26-2024	1.05	1.35	1.55	1.50	1.50	1.39
3-28-2024	1.10	1.45	2.60	1.60	1.70	1.69

In accordance with

1. ph and temperature of a representative water from the 4 locations indicated on Figure 1.
2. weather conditions (general- wet/ dry, avg temp) since last measurement
3. estimated volume of water pumped from loading dock (based upon pump run time data)
4. notes on condition of pond (visual)

Staff Member	Date of Measure-ment	Measurement Location						Pump Run Time*	Est. Quantity of Water **	Visual Condition of Pond (color, vegetation, etc.)	Comments (e.g. weather conditions, etc)
		Discharge Pipe		Northern Embayment		Main Pond (Combined Samples)					
		ph	Temp (°F)	ph	Temp (°F)	ph	Temp (°F)				
Pete Pike	1/31/23 12:00 AM								50,300 196,300		FROZEN Frozen
Pete Pike	2/28/2023 9:00AM								275,400		Frozen
Pete Pike	3/30/2023 9:00Am								275.500		Cloudy
Pete Pike	4/28/23 9:00	10	51°	8	47°	6	47°		257.500		Over cast
Pete Pike	5/26/23 9:00	10	68°	9	65°	6	65°		48,700		Sunny
Pete Pike	6/28/23 9:00	7.5	71°	6	79°	7.5	69°		57,100		Cloudy
Pete Pike	7/31/23 9:00AM	6	65	6	66	6.5	67		51,600		Sunny
Pete Pike	8/31/23 9:00AM	7.5	59	7.5	58	6	56		43,800		
Pete Pike	9/28/23 9:00A	7	44°	7.5	42°	5.5	40°		40,500		Sunny
Pete Pike	10-26-23 9:00	6.5	44°	7	43°	6	41°		348,400		Sunny
J. Stephens	11-27-2023	6	39°	6	40°	9	44°		159,300		Cold - Cloudy
J. Stephens	12-28-2023	frozen			10:00 AM				309,200		Frozen
J. Stephens	1-30-2024	frozen			7:00 AM	5	38.1		170,000		frozen
J. Stephens	2-26-2024	10	39.5°	7	38.8				125,800		Sunny
J. Stephens	3-28-2024	W	51.4°	6	47.4						Sunny

9:00 Am



PH, S / 42.6°F

PH, C / 47.4°F

PH, 10 / 51.4°F

PH, S / 44.7°F

1.45 SE / ~~1.60~~ NE / 1.60 NW / ~~[illegible]~~ 1.70 SW /

1.10 Server Room

125,800 gal.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Project Name: Zehnder Rittling Project No.:

Project Location: 100 Rittling Blvd Client:

Preparer's Name: Jared Stephens Date/Time: 3/28/24

Notes:

Monthly Operating Status:

System(s) currently running? ☑ yes ☐ no

Has the system been off-line in the past month? ☐ yes ☑ no

If yes, please list the dates and brief description why (i.e. maintenance, part replacement, etc.):

What is the current Vacuum reading? 1.69

Visual Inspection:

Any piping disconnected?	☐ yes	☑ no
Any cracks visible in piping?	☐ yes	☑ no
Any new cracks visible in slab floor?	☐ yes	☑ no
Magnehelic guage reading 0?	☐ yes	☑ no

If yes to any question above, please provide more information below.

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Monthly Operation & Maintenance Log
Active Sub-Slab Depressurization System

Change in Occupancy / Use of Space:

Please indicate general use of floor space? Manufacturing

Has this general use changed in the past month? ☐ yes ☑ no

If yes, please explain:

System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☑ no

If so, please list with date:

APPENDIX F
ORC Well Inspection Forms

ORC WELL ANNUAL INSPECTION FORM
Active ORC monitoring wells

Project Name: Zenner Refining - HydroAir Project No.:

Project Location: Buffalo, NY Client:

Preparer's Name: Date/Time:

	A4 - ORC - 1	A4 - ORC - 2	A4 - ORC - 3
sampling dates:	7/28/22	7/28/22	7/28/22

Field groundwater quality measurements

Water Level	4.30	1.70	6.05
Bottom Depth	14.40	14.62	14.3
pH	3.93	3.62	5.46
Temperature	16.36	17.90	18.12
DO	.52	2.4	2.98
ORP	230	325	111
Alkalinity	—	—	—

Refer to Figure 1 for well locations

Well integrity

Cement seal	☑ good	☐ poor	If poor please note well.
Pro - casing condition	☑ good	☐ poor	If poor please note any damage.
Lock condition	☐ good	☑ poor	If poor please note well.
Working J - plug	☐ yes	☐ no	If no please note well.

ORC Sock's

Have any Socks been replaced ☑ yes ☐ no

If replaced on what date and why. - All socks replaced as part of annual sampling

Are socks fully submerged in well screens. ☑ yes ☐ no

If no explain why.

Are all ORC wells begin sampled and maintained according to the site management plan

☑ yes ☐ no

If no please state why.

old socks in 5-gal pail in waste storage area in plant.

Initial: JAV Date: 8/4

ORC WELL ANNUAL INSPECTION FORM
Active ORC monitoring wells

Project Name: Zenner RHing - HydroFlr Project No.:

Project Location: Buffalo, NY Client: ZR

Preparer's Name: JAJ Date/Time: 9/19/23

	A4 - ORC - 1	A4 - ORC - 2	A4 - ORC - 3
sampling dates:	9/19	9/19	9/19

Field groundwater quality measurements

Water Level	4.12	2.52	5.52
Bottom Depth	14.40	14.62	14.3
pH	3.43	3.36	5.16
Temperature	14.4	15.6	15.7
DO	4.60	3.67	4.31
ORP	238.5	296.9	93.7
Alkalinity	+1000	+1000	+1000

Refer to Figure 1 for well locations

Well integrity

Cement seal	☑ good	☐ poor	If poor please note well.
Pro - casing condition	☑ good	☐ poor	If poor please note any damage.
Lock condition	X good	☐ poor	If poor please note well.
Working J - plug	X yes	☐ no	If no please note well.

ORC Sock's

Have any Socks been replaced ☑ yes ☐ no

If replaced on what date and why. - all socks replaced as part of annual sampling

Are socks fully submerged in well screens. ☑ yes ☐ no

If no explain why.

Are all ORC wells begin sampled and maintained according to the site management plan

☑ yes ☐ no

If no please state why.

Initial: ✓ Date: 9/19/23

ALL SOCKS AND PURGE WATER AS PLACED IN LOCATION PER PLANT STAFF

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000144766
2. Page 1 of: 1
3. Emergency Response Phone: 800-535-5053
4. Manifest Tracking Number: 012359207 FLE

5. Generator's Name and Mailing Address
Hydro-Air Components Inc.
100 Rittling Blvd.
Buffalo, NY 14220
Generator's Phone: 716-392-6001

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Sun Environmental
U.S. EPA ID Number: NYR000176958

7. Transporter 2 Company Name: Environmental Service Group, Inc. (NY) 716.695.6720
U.S. EPA ID Number: NYD986903904

8. Designated Facility Name and Site Address
Chemical Solvents Inc
1010 Denison Avenue
Cleveland, OH 44109
Facility's Phone: 800-362-0693
U.S. EPA ID Number: OHD980897656

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NA3077, Hazardous waste, solid, n.o.s. , 9, III, (Benzene)	001	DM CF	EST 10	P	D018		
X	2. RQ, NA3082, Hazardous waste, liquid, n.o.s., 9, III, (Benzene)	002	DF EF DM	EST 450	P	D018		
	3.							
	4.							

16
4

14. Special Handling Instructions and Additional Information
1 - 47239 manifest "HAZ-
2 - 47238 JOS # J001141 PO # 062485
ERG: 1- 171
2- 171
24 Hour Emergency Contact:
INFOTRAC (Caller Must ID ESG)
800-535-5053

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: x Pete Pike
Signature:
Month 10 Day 20 Year 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Date leaving U.S.:

TRANSPORTER

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: x Tim Thomas
Signature:
Month 10 Day 20 Year 22

Transporter 2 Printed/Typed Name: JAMES FERGUSON
Signature:
Month 11 Day 01 Year 22

DESIGNATED FACILITY

18. Discrepancy ☐ Partial Rejection ☐ Full Rejection

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue

Manifest Reference Number:
U.S. EPA ID Number

18b. Alternate Facility (or Generator)
Facility's Phone:
Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H061		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jay Shaw
Signature:
Month 11 Day 2 Year 22

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of: 1

3. Emergency Response Phone: 800-535-5053

4. Waste Tracking Number: 53951 SUN-18437

5. Generator's Name and Mailing Address
Zehnder-Rittling
100 Rittling Blvd
Buffalo, NY 14220
Generator's Phone: 716-827-6510

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Sun Environmental Corp
U.S. EPA ID Number: NYR000176958

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
American Recyclers Company
177 Wales Avenue
Tonawanda, NY 14150
Facility's Phone: 716.695.6720
U.S. EPA ID Number: NYR000030809

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Batteries, dry, sealed, n.o.s.,, (Mixed Dry Cell Batteries for Recycle)	1	DM	50	P
2.	Non RCRA Non DOT Regulated , (Well purge water)	1	DM	150	P
3.	Non RCRA Non DOT Regulated, (MDI Adhesive)	2	DM	200	P
4.	Non RCRA Non DOT Regulated , (Water/PPE/Plastic)	1	DM	10	P

13. Special Handling Instructions and Additional Information

ERG:
1 -
2 -
3 -
4 -

Approval #:
1 - V-23712R
2 - H-23714T
3 - C-23711L
4 - X-23713L

Handling Codes:
1 - None
2 - None
3 - None
4 - None

24 Hour Emergency Contact: INFOTRAC (Caller Must ID ESG)

Job # J002932 PO # 068547

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: JACOB CZUBA
Signature
Month 3 Day 25 Year 24

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Decatur Howell
Signature
Month 3 Day 25 Year 24
Transporter 2 Printed/Typed Name: JACOB CZUBA
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Garrett Saia
Signature
Month 03 Day 25 Year 24

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

Printed in USA by GC Labels
1-800-997-6966

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-C6NHW
913-897-6966

APPENDIX G
Groundwater Sampling Field Monitoring Forms

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

PROJECT: Hydro Air Sampling
LOCATION: Buffalo NY
CLIENT: Zehnder Rittling
CONTRACTOR: NW Contracting

7/27/22
MW-7

H&A FILE NO.
PROJECT MGR. JAJ
FIELD REP.
SAMPLING DATE

Sampling Data:

Well ID: A4-MW-7R
Start time: 1048
Finish Time: 1128

Well Depth: 13.60 ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft

Initial Depth To Water: ft
Depth Of Pump Intake: ft
Date Well Installed:

Purging Device: Peristaltic
Tubing Present In Well: ☒ Yes ☐ No
Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- ___%	pH +/- ___	mS/cm Conduct-ivity (~~uo/cm~~) +/- ___%	Dissolved Oxygen (mg/L) +/- ___%	Turbidity (NTU) < ___NTU	ORP/eH (mv) +/- ___ mv	Comments
1048	0	3.91			0						1 WELL VOL = 1.6 GAL.
1056	8	7.81		.18	1.5	17.47	6.41	4.58	3.75	37.6	3.59	
1105	9	8.23		.16	3.0	15.83	6.55	4.43	6.54	7.0	-44	
1111	6	8.25		.5	4.5	15.79	6.67	4.04	4.48	4.3	-50	
1121	10	7.34		.37	6	16.12	6.85	3.76	3.98	3.1	-63	
1128	7	6.54		.5	7.5	16.55	6.84	3.70	3.86	2.5	-63	
												ALKALINITY 340

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT	Hydro Air Sampling		H&A FILE NO.
LOCATION	Buffalo NY	7/28/22	PROJECT MGR. JAJ
CLIENT	Zehnder Rittling		FIELD REP.
CONTRACTOR	NW Contracting	MW-9	SAMPLING DATE

Sampling Data:

Well ID: A4-MW-9 Well Depth: 13.50 ft Initial Depth To Water: 6.17 ft Purging Device: Peristaltic

Start time: Depth To Top Of Screen: ft Depth Of Pump Intake: ft Tubing Present In Well: ☒ Yes ☐ No

Finish Time: Depth To Bottom Of Screen: ft Date Well Installed: Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/-__%	pH +/-__	mS/cm Conduct-ivity (~~uc/cm~~) +/-__%	Dissolved Oxygen (mg/L) +/-__%	Turbidity (NTU) <__NTU	ORP/eH (mv) +/-__ mv	Comments
815	0	6.17			0						1 WELL VOL = 1.2 gal
827	12	9.61		.125	1.5	16.09	7.62	2.43	3.66	14.7	-126	
834	19	10.40		.21	3	15.50	7.56	3.47	3.81	8.2	-104	
843	28	11.15		.16	4.5	15.95	7.48	3.81	5.20	13.6	-108	
852	37	11.74		.16	6	15.30	7.33	4.45	5.70	8.8	-97	
905	50	12.27		.11	7.5	14.68	7.19	4.99	3.70	8.4	-88	well went DRY
												wait for Recharge
												ALKALINITY 620

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

PROJECT: Hydro Air Sampling
LOCATION: Buffalo NY
CLIENT: Zehnder Rittling
CONTRACTOR: NW Contracting

7/27/22
MW-8

H&A FILE NO.
PROJECT MGR.: JAJ
FIELD REP.
SAMPLING DATE

Sampling Data:

Well ID: A4-MW-8R
Start time: 1402
Finish Time: 1445
Well Depth: 15.2 ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft
Initial Depth To Water: 5.35 ft
Depth Of Pump Intake: ft
Date Well Installed:
Purging Device: Peristaltic
Tubing Present In Well: [X] Yes [ ] No
Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temperature (°F) or (°C) +/- %	pH +/-	mS/cm Conductivity ~~(uc/cm)~~ +/- %	Dissolved Oxygen (mg/L) +/- %	Turbidity (NTU) < NTU	ORP/eH (mv) +/- mv	Comments
1402	0	5.35			0						
1414	12	8.95	.17		2	16.90	6.81	5.07	2.49	5.4	-51	5.35-15.2 = 9.85 x .17 =
1423	21	9.48	.22		4	14.72	6.71	5.49	2.94	8.0	-43	1.6 gal = 1 w.v.
1432	30	9.34	.22		6	15.46	6.83	5.74	3.46	14.2	-47	
1445	43	9.51	.15		8	15.62	6.89	5.73	3.41	6.0	-46	
												ALKALINITY 750

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

PROJECT: Hydro Air Sampling
LOCATION: Buffalo NY
CLIENT: Zehnder Rittling
CONTRACTOR: NW Contracting

7/27/22
MW-10

H&A FILE NO.
PROJECT MGR. JAJ
FIELD REP.
SAMPLING DATE

Sampling Data:

Well ID: A4-MW-10 | Well Depth: 15.55 ft | Initial Depth To Water: 6.70 ft | Purging Device: Peristaltic
Start time: 1250 | Depth To Top Of Screen: ft | Depth Of Pump Intake: ft | Tubing Present In Well: ☒ Yes ☐ No
Finish Time: 1319 | Depth To Bottom Of Screen: ft | Date Well Installed: | Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or ( )	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- ___%	pH +/- ___	mS/cm Conduct-ivity ~~(us/cm)~~ +/- %	Dissolved Oxygen (mg/L) +/- ___%	Turbidity (NTU) < ___ NTU	ORP/eH (mv) +/- ___ mv	Comments
1250	0	6.70									1 well vol = 1.5 gal
1256	6	8.11		.25	1.5	16.40	7.58	1.74	3.20	13	-119	
1301	11	8.05		.30	3	16.34	7.63	1.74	2.84	11	-115	
1310	20	8.52		.16	4.5	15.76	7.67	1.62	3.00	8.8	-120	
1319	39	8.58		.07	6.0	15.80	7.66	1.62	3.13	9.7	-132	
												Alkalinity 1000

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

PROJECT: Hydro Air Sampling
LOCATION: Buffalo NY
CLIENT: Zehnder Rittling
CONTRACTOR: NW Contracting

7/27/22

H&A FILE NO.:
PROJECT MGR.: JAJ
FIELD REP.:
SAMPLING DATE:

Sampling Data:

Well ID: A4 MW-5R
Start time: 0849
Finish Time: 0921

Well Depth: 11.55 ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft

Initial Depth To Water: 4.92 ft
Depth Of Pump Intake: ft
Date Well Installed:

Purging Device: Peristaltic
Tubing Present In Well: ☒ Yes ☐ No
Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/-___%	pH +/-___	mS/cm Conduct-ivity (us/cm) +/-___%	Dissolved Oxygen (mg/L) +/-___%	Turbidity (NTU) <___NTU	ORP/eH (mv) +/-___mv	Comments
0849	4.92			0							1 WELL VOL = 1.12 gal
0902	9.00		.15	2	16.78	7.63	1.28	8.14	7.4	-76	
0911	9.51		.11	3	16.38	7.60	1.18	2.02	6.0	-68	
0917	10.51		.12	4	16.67	7.69	1.08	11.70	7.5	-67	
0921	11.30		.12	4.5	16.65	7.85	1.13	11.86	20.2	-68	
											Sample at 9:30
											ALKALINITY 500

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

Page 1 of 1

PROJECT: Hydro Air Sampling
LOCATION: Buffalo NY
CLIENT: Zehnder Rittling
CONTRACTOR: NW Contracting

H&A FILE NO.:
PROJECT MGR.: JAJ
FIELD REP.:
SAMPLING DATE: 7/28/22

Sampling Data:

Well ID: A4-ORC1 | Well Depth: 14.40 ft | Initial Depth To Water: 4.30 ft | Purging Device: Peristaltic
Start time: 1137 | Depth To Top Of Screen: ft | Depth Of Pump Intake: ft | Tubing Present In Well: ☒ Yes ☐ No
Finish Time: 1334 | Depth To Bottom Of Screen: ft | Date Well Installed: | Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/-___%	pH +/-___	mS/cm Conduct-ivity (us/cm) +/-___%	Dissolved Oxygen (mg/L) +/-___%	Turbidity (NTU) <___NTU	ORP/eH (mv) +/-___mv	Comments
1137	4.30			0							1 WELL VOL = 6.7 gal
1304	6.05		.14	1	17.54	4.22	28.2	1.11	203	233	
1308	7.14		.25	2	15.86	3.95	28.7	0	148	238	
1311	8.11		.25	3	15.92	3.93	29.0	.17	160	241	
1315	9.05		.25	4	16.35	3.93	27.8	.82	85.5	243	
1319	9.95		.25	5	16.36	3.92	26.5	.25	82.3	244	
1325	10.35		.16	7	16.51	3.94	24.5	.54	91.0	242	
1334	10.78		.11	8	16.36	3.93	26.6	.52	199	238	
											Replaced ORC sock
											with new.

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: Hydro Air Sampling
LOCATION: Buffalo NY
CLIENT: Zebnder Rittling
CONTRACTOR: NW Contracting

H&A FILE NO.:
PROJECT MGR.: JAJ
FIELD REP.:
SAMPLING DATE: 7/28/22

Sampling Data:

Well ID: A4-ORC-2 | Well Depth: 14.62 ft | Initial Depth To Water: 1.70 ft | Purging Device: Peristaltic
Start time: 1000 | Depth To Top Of Screen: ft | Depth Of Pump Intake: ft | Tubing Present In Well: ☒ Yes ☐ No
Finish Time: 1043 | Depth To Bottom Of Screen: ft | Date Well Installed: | Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/-___%	pH +/-___	Conduct-ivity (us/cm) +/-___%	Dissolved Oxygen (mg/L) +/-___%	Turbidity (NTU) <___NTU	ORP/eH (mv) +/-___ mv	Comments
1000	1.70			0							1 well vol = 8.6 gal
1015	6.01		.20	3	18.21	3.74	30.3	3.40	104	278	
1024	7.95		.25	4.5	18.28	3.62	29.3	1.60	105	282	
1027	9.45		.33	6.5	16.83	3.47	41.9	3.41	82	265	
1035	10.90		.18	8	18.17	3.68	27.6	2.73	103	316	
1043	11.23		.12	9	19.90	3.62	27.7	2.40	105	325	
											Replaced ORC sock with new

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: Hydro Air Sampling
LOCATION: Buffalo NY
CLIENT: Zehnder Rittling
CONTRACTOR: NW Contracting

7/28/22

H&A FILE NO.:
PROJECT MGR.: JAJ
FIELD REP.:
SAMPLING DATE:

Sampling Data:

Well ID: A4-ORC-3 | Well Depth: 14.3 ft | Initial Depth To Water: 6.05 ft | Purging Device: Peristaltic
Start time: 1100 | Depth To Top Of Screen: ft | Depth Of Pump Intake: ft | Tubing Present In Well: ☒ Yes ☐ No
Finish Time: 1121 | Depth To Bottom Of Screen: ft | Date Well Installed: | Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- ___%	pH +/- ___	Conduct-ivity ~~(us/cm)~~ mS/cm +/- ___%	Dissolved Oxygen (mg/L) +/- ___%	Turbidity (NTU) < ___NTU	ORP/eH (mv) +/- ___ mv	Comments
1100	6.05			0							1 well vol = 5.5 gal
1108	9.31		.25	2	17.39	5.00	21.2	3.51	+1000	214	
1115	11.90		.28	4	18.01	5.27	18.6	2.71	857	168	
1121	12.7		.16	5	18.12	5.46	19.1	2.98	+1000	111	
											well dry at 5.5 gal
											Replaced ORC Sock with new.

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: ZEHNDER RITTLING
LOCATION: BUFFALO NY
CLIENT:
CONTRACTOR: NW CONTRACTING

9/18/23

H&A FILE NO.:
PROJECT MGR.: NW-JAJ
FIELD REP.:
SAMPLING DATE: 9/18/23

Sampling Data:

Well ID: MW-5 | Well Depth: 11.55 ft | Initial Depth To Water: 3.85 ft | Purging Device: PERISTALTIC
Start time: 15:45 | Depth To Top Of Screen: ft | Depth Of Pump Intake: ft | Tubing Present In Well: [X] Yes [ ] No
Finish Time: 16:10 | Depth To Bottom Of Screen: ft | Date Well Installed: | Tubing Type: 3/8" OD

	Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- %	pH +/-	Conduct-ivity mS/cm +/- %	Dissolved Oxygen (mg/L) +/- %	Turbidity (NTU) < NTU	ORP/eH (mv) +/- mv	Comments
	1545	3.85										1 well vol = 1.2 gal
9	1554	3.95		.22	2	19.2	7.15	1654	3.75	8.54	-75.5	
6	1600	9.86		.33	4	16.8	7.30	15.32	2.61	5.04	-84.7	
6	1606	DRY			4.5	16.6	7.44	1.411	8.45	5.46	-88.6	WELL GOING DRY
												SAMPLE AT 4:10 PM
												ALKALINITY 520
												CO2 235 mg/L

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: ZEHNDER - RITTLING
LOCATION: BUFFALO NY
CLIENT:
CONTRACTOR: NW CONTRACTING
9/14/23

H&A FILE NO.
PROJECT MGR.
FIELD REP.
SAMPLING DATE

Sampling Data:

Well ID: MW-7
Start time: 13:38
Finish Time: 14:22
Well Depth: 13.60 ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft
Initial Depth To Water: 3.91 ft
Depth Of Pump Intake: ft
Date Well Installed:
Purging Device: PERISTALTIC
Tubing Present In Well: ☒ Yes ☐ No
Tubing Type: 3/8" OD

	Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- __%	pH +/-	Conduct-ivity mS/cm +/- __%	Dissolved Oxygen (mg/L) +/- __%	Turbidity (NTU) <__NTU	ORP/eH (mv) +/- __mv	Comments
	13:30	3.91										1 WELL VOL = 1.55
7	13:45	7.05		.28	2	17.0	5.95	4349	10.69	20.0	-11.7	
7	13:52	8.03		.14	3	15.9	6.09	4099	3.10	12.5	-22.1	
6	13:58	8.17		.16	4	15.4	6.26	3882	2.39	5.29	-30.8	
5	14:03	8.17		.2	5	15.4	6.39	3502	4.27	5.95	-45.0	
6	14:09	8.13		.16	6	15.5	6.51	3360	1.93	3.98	-49.6	
6	14:15	8.10		.25	7.5	15.5	6.57	3290	1.71	3.94	-60.3	SAmple 2:22 PM
3	14:18	7.82		.5	9	15.8	6.59	3246	2.22	4.23	-62.9	slowed pump a little
												ALKALINTY 360
												CO2 202 mg/L

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: ZEHNDER - RITTLING
LOCATION: BUFFALO NY
CLIENT:
CONTRACTOR: NW CONTRACTING — 9/18/23

H&A FILE NO.:
PROJECT MGR.: NW JAJ
FIELD REP.:
SAMPLING DATE: 9/18/23

Sampling Data:

Well ID: MW-8
Start time: 11:50
Finish Time: 12:50
Well Depth: 15.2* ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft
Initial Depth To Water: 5.34 ft
Depth Of Pump Intake: ft
Date Well Installed:
Purging Device: PERISTALTIC
Tubing Present In Well: [X] Yes [ ] No
Tubing Type: 3/8 OD

	Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/-__%	pH +/-__	Conduct-ivity mS/cm +/-__%	Dissolved Oxygen (mg/L) +/-__%	Turbidity (NTU) <__NTU	ORP/eH (mv) +/-__mv	Comments
	11:50	5.34										1 well vol = 1.57
10	12:00	8.09		.2	2	15.5	6.32	5274	2.66	4.11	-48.1	
7	12:07	8.40		.14	3	14.2	6.37	5267	4.31	4.62	-38.2	
6	12:13	8.51		.16	4	13.9	6.32	5.293	2.87	4.22	-36.2	
9	12:24	8.53		.22	6	14.1	6.26	5.404	1.01	2.52	-31.0	
11	12:35	8.99		.18	8	14.4	6.40	5.347	6.50	35.9	-40.4	
5	12:40	9.05		.2	9	14.3	6.29	5.414	2.99	22.0	-31.0	
												SAMPLE 12:50
												ALKALINTY 780
												CO2 193 mg/L

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

Page of

PROJECT	ZEHNDER - RITTLING	H&A FILE NO.	
LOCATION	BUFFALO NY	PROJECT MGR.	NW JAT
CLIENT		FIELD REP.	
CONTRACTOR	NW CONTRACTING 9/18/23	SAMPLING DATE	9/18/23

Sampling Data:

Well ID:	MW-9	Well Depth:	13.4 ft	Initial Depth To Water:	5.90 ft	Purging Device:	PERISTALTIC
Start time:	10:36	Depth To Top Of Screen:	ft	Depth Of Pump Intake:	ft	Tubing Present In Well:	☒ Yes ☐ No
Finish Time:	11:20	Depth To Bottom Of Screen:	ft	Date Well Installed:		Tubing Type:	3/8 OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- %	pH +/-	Conduct-ivity mS/cm +/- %	Dissolved Oxygen (mg/L) +/- %	Turbidity (NTU) < NTU	ORP/eH (mv) +/- mv	Comments
10:36	5.90										1 well vol = 1.2
10:47	9.84		.2	2.5	15.2	6.35	4.971	4.04	4.18	142.7	
10:51	10.05		.25	3.5	14.9	6.40	5.468	1.92	4.43	-93.8	
10:56	10.31		.2	4.5	14.5	6.41	5.525	2.28	6.73	-63.5	
11:04	10.41		.06	5.0	14.3	6.39	5.623	3.86	8.76	-54.9	
11:18	11.42		.14	7.0	14.1	6.44	5.632	2.92	13.9	-55.9	
											Sample At 11:20
											Alkalinity 700
											CO_2 257 mg/L

Form 3010

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: ZEHNDER - RITTLING
LOCATION: BUFFALO NY
CLIENT:
CONTRACTOR: NW CONTRACTING

9/18/23

H&A FILE NO.:
PROJECT MGR.: NW JAJ
FIELD REP.:
SAMPLING DATE: 9/18/23

Sampling Data:

Well ID: MW-10 | Well Depth: 15.6 ft | Initial Depth To Water: 6.68 ft | Purging Device: PERISTALTIC
Start time: 14:44 | Depth To Top Of Screen: ft | Depth Of Pump Intake: ft | Tubing Present In Well: ☒ Yes ☐ No
Finish Time: 15:25 | Depth To Bottom Of Screen: ft | Date Well Installed: | Tubing Type: 3/8 OD

	Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- %	pH +/-	Conduct-ivity mS/cm +/- %	Dissolved Oxygen (mg/L) +/- %	Turbidity (NTU) < NTU	ORP/eH (mv) +/- mv	Comments
	14:44	6.68	—	—	—	—	—	—				1 well vol = 1.42
7	14:51	7.95		.2	1.5	15.1	6.96	3184	3.83	9.13	-74.9	10 3.83
6	14:58	8.10		.2	3	15.3	7.02	2856	1.60	6.01	-86.3	
4	15:02	8.24		.37	4.5	15.2	7.17	2197	3.13	5.59	-95.5	
5	15:07	8.30		.3	5.5	15.2	7.15	2062	1.76	6.54	-92.0	
3	15:10	8.98		.5	7.0	15.3	7.13	1890	1.92	6.38	-96.5	
4	15:14	8.79		.25	8.0	15.3	7.14	2013	3.22	5.41	-95.9	
6	15:20	8.54		.16	9.0	15.6	7.09	1979	1.74	5.31	-80.8	
												Sample 3:25 pm
												Alkalinity 870
												CO2 630 mg/L
												Foamed up

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: ZEHNDER - RITTLING
LOCATION: BUFFALO NY
CLIENT:
CONTRACTOR: NW CONTRACTING

9/19/23

H&A FILE NO.:
PROJECT MGR.: NW - JAJ
FIELD REP.:
SAMPLING DATE: 9/19/23

Sampling Data:

Well ID: ORC-1
Start time: 9142
Finish Time: 10:20

Well Depth: 14.40 ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft

Initial Depth To Water: 4.12 ft
Depth Of Pump Intake: ft
Date Well Installed:

Purging Device: PERISTALTIC
Tubing Present In Well: ☑ Yes ☐ No
Tubing Type: 3/8" OD

	Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- %	pH +/-	Conduct-ivity mS/cm +/- %	Dissolved Oxygen (mg/L) +/- %	Turbidity (NTU) < NTU	ORP/eH (mv) +/- mv	Comments
	9:42	4.12	—	—	—	—	—	—	—	—	—	1 well vol 6.6 gal
7	9:55	7.42		.35	2.5	15.5	3.40	28584	3.98	6.71	257.0	
9	10:04	8.70		.27	5.0	15.5	3.47	26776	4.35	5.33	252.7	water greenish brown
8	10:11	10.18		.18	6.5	15.1	3.44	29958	3.75	10.4	241.4	
9	10:20	DRY		.16	8.0	14.4	3.43	29834	4.60	11.6	238.5	well DRY
												REPLACED ORC SOCK with NEW
												ALKALINITY +/- 1000

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: ZEHNDER - RITTLING
LOCATION: BUFFALO NY
CLIENT:
CONTRACTOR: NW CONTRACTOR
9/19/23
H&A FILE NO.
PROJECT MGR.
FIELD REP.
SAMPLING DATE

Sampling Data:

Well ID: ORC-2
Start time: 9:10
Finish Time: 9:13
Well Depth: 14.62 ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft
Initial Depth To Water: 2.52 ft
Depth Of Pump Intake: ft
Date Well Installed:
Purging Device: PERISTALTIC
Tubing Present In Well: [X] Yes [ ] No
Tubing Type: 3/8" OD

	Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- ___%	pH +/- ___	Conduct-ivity mS/cm +/- ___%	Dissolved Oxygen (mg/L) +/- ___%	Turbidity (NTU) < ___NTU	ORP/eH (mv) +/- ___ mv	Comments
	8:10	2.52			—							1 well vol = 7.7 gal
17	8:27	5.32		.14	2.5	15.1	3.34	2.8529	6.69	22.5	267.6	
18	8:45	6.85		.08	4	15.0	3.19	3.6624	9.63	27.9	277.1	water is green
17	9:02	9.94		.14	7.5	15.5	3.15	2.7339	4.70	12.5	330.8	NAS ORDOR
11	9:13	12.05		.13	9	15.6	3.36	3.5418	3.67	12.4	296.9	
												ALKALINITY +/- 1000
												REPLACED ORC SOCK
												WITH NEW

HALEY ALDRICH

LOW FLOW/MNA FIELD SAMPLING FORM

PROJECT: ZEHNDER - RITTLING
LOCATION: BUFFALO NY
CLIENT:
CONTRACTOR: NW CONTRACTING

H&A FILE NO.:
PROJECT MGR.: NW JAT
FIELD REP.:
SAMPLING DATE: 9/14/23

Sampling Data:

Well ID: ORC-3
Start time: 11:15
Finish Time: 12:02

Well Depth: 14.3 ft
Depth To Top Of Screen: ft
Depth To Bottom Of Screen: ft

Initial Depth To Water: 5.52 ft
Depth Of Pump Intake: ft
Date Well Installed:

Purging Device: PERISTALTIC
Tubing Present In Well: ☒ Yes ☐ No
Tubing Type: 3/8" OD

Elapsed Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (ml/min) or (gal/min)	Purge Rate (ml/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C) +/- ___%	pH +/-	Conduct-ivity mS/cm +/- ___%	Dissolved Oxygen (mg/L) +/- ___%	Turbidity (NTU) < ___NTU	ORP/eH (mv) +/- ___ mv	Comments
11:15	5.52	—	—	—	—	—	—	—	—	—	1 well vol = 5.6
14 11:29	9.25		.17	2.5	15.4	5.37	27471	1.77	+100	51.4	RUSTY COLOR WATER
10 11:39	11.58		.2	4.5	15.5	5.14	22.01	4.52	+100	106.7	
11 11:50	13.61		.09	5.5	13.7	5.16	18.687	4.31	24.2	93.7	CLEARER
2 11:52	DRY			5.6							WELL DRY
10 12:02	DRY										WAIT 10 MM STILL DRY
											AVKALINITY +/- 1000
											WATER SMELLS
											REPLACED ORC
											SOCK WITH NEW

APPENDIX H
Groundwater Analytical Data

ANALYTICAL REPORT

Lab Number:	L2240613
Client:	NW Contracting 3553 Crittenden Rd Alden, NY 14004
ATTN:	Dale Gramza
Phone:	(716) 937-6527
Project Name:	ZEHNDER RITTLING
Project Number:	22-047
Report Date:	08/18/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ZEHNDER RITTLING
Project Number: 22-047

Lab Number: L2240613
Report Date: 08/18/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2240613-01	MW-5R	WATER	BUFFALO, NY	07/27/22 09:30	07/28/22
L2240613-02	MW-7R	WATER	BUFFALO, NY	07/27/22 11:32	07/28/22
L2240613-03	MW-10	WATER	BUFFALO, NY	07/27/22 13:25	07/28/22
L2240613-04	MW-8	WATER	BUFFALO, NY	07/27/22 14:45	07/28/22
L2240613-05	MW-9	WATER	BUFFALO, NY	07/28/22 09:10	07/28/22
L2240613-06	TRIP BLANK	WATER	BUFFALO, NY	07/27/22 00:00	07/29/22

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2240613
Project Number:	22-047	**Report Date:**	08/18/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2240613
Project Number:	22-047	**Report Date:**	08/18/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2240613-01, -02, and -04: Headspace was noted in the sample container submitted for Alkalinity.

L2240613-02: The sample identified as "MW-7R" on the chain of custody was identified as "MW-7" on the container label. At the client's request, the sample is reported as "MW-7R".

L2240613-06: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. This sample was analyzed.

Volatile Organics

L2240613-04D: The pH was greater than two; however, the sample was analyzed within the method required holding time.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 08/18/22

ORGANICS

VOLATILES

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-01
Client ID: MW-5R
Sample Location: BUFFALO, NY

Date Collected: 07/27/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/03/22 15:05
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-02
Client ID: MW-7R
Sample Location: BUFFALO, NY

Date Collected: 07/27/22 11:32
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/03/22 15:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-03
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 07/27/22 13:25
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/03/22 15:48
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: ZEHNDER RITTLING **Lab Number:** L2240613

Project Number: 22-047 **Report Date:** 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-04 D
Client ID: MW-8
Sample Location: BUFFALO, NY

Date Collected: 07/27/22 14:45
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/03/22 16:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	11000		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
n-Butylbenzene	ND		ug/l	250	70.	100
sec-Butylbenzene	ND		ug/l	250	70.	100
tert-Butylbenzene	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
p-Isopropyltoluene	ND		ug/l	250	70.	100
Naphthalene	ND		ug/l	250	70.	100
n-Propylbenzene	ND		ug/l	250	70.	100
1,3,5-Trimethylbenzene	ND		ug/l	250	70.	100
1,2,4-Trimethylbenzene	ND		ug/l	250	70.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: ZEHNDER RITTLING
Lab Number: L2240613
Project Number: 22-047
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-05 D
Client ID: MW-9
Sample Location: BUFFALO, NY

Date Collected: 07/28/22 09:10
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/03/22 16:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	220		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-06
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 07/27/22 00:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/22 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/22 09:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1671572-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: ZEHNDER RITTLING **Lab Number:** L2240613

Project Number: 22-047 **Report Date:** 08/18/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/22 08:16
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1672442-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1671572-3 WG1671572-4								
Benzene	100		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Methyl tert butyl ether	71		70		63-130	1		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		105		70-130	0		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		100		70-130	10		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	70		70		70-130	0		20
n-Propylbenzene	110		110		69-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	99		95		70-130
Dibromofluoromethane	102		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1672442-3 WG1672442-4								
Benzene	100		100		70-130	0		20
Toluene	110		98		70-130	12		20
Ethylbenzene	100		99		70-130	1		20
Methyl tert butyl ether	93		95		63-130	2		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
Isopropylbenzene	100		99		70-130	1		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	89		86		70-130	3		20
n-Propylbenzene	110		100		69-130	10		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		112		70-130
Toluene-d8	106		98		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	98		100		70-130

METALS

Project Name: ZEHNDER RITTLING
Lab Number: L2240613
Project Number: 22-047
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-01
Client ID: MW-5R
Sample Location: BUFFALO, NY
Date Collected: 07/27/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00833		mg/l	0.00050	0.00016	1	07/30/22 07:40	08/01/22 17:33	EPA 3005A	1,6020B	SV
Chromium, Total	0.00051	J	mg/l	0.00100	0.00017	1	07/30/22 07:40	08/01/22 17:33	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/30/22 07:40	08/01/22 17:33	EPA 3005A	1,6020B	SV

Project Name: ZEHNDER RITTLING
Lab Number: L2240613
Project Number: 22-047
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-02
Client ID: MW-7R
Sample Location: BUFFALO, NY
Date Collected: 07/27/22 11:32
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00424		mg/l	0.00050	0.00016	1	07/30/22 07:40	08/01/22 17:38	EPA 3005A	1,6020B	SV
Chromium, Total	0.00200		mg/l	0.00100	0.00017	1	07/30/22 07:40	08/01/22 17:38	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/30/22 07:40	08/01/22 17:38	EPA 3005A	1,6020B	SV

Project Name: ZEHNDER RITTLING
Lab Number: L2240613
Project Number: 22-047
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-03
Client ID: MW-10
Sample Location: BUFFALO, NY
Date Collected: 07/27/22 13:25
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00438		mg/l	0.00050	0.00016	1	07/30/22 07:40	08/01/22 17:43	EPA 3005A	1,6020B	SV
Chromium, Total	0.00046	J	mg/l	0.00100	0.00017	1	07/30/22 07:40	08/01/22 17:43	EPA 3005A	1,6020B	SV
Lead, Total	0.00160		mg/l	0.00100	0.00034	1	07/30/22 07:40	08/01/22 17:43	EPA 3005A	1,6020B	SV

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-04
Client ID: MW-8
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water

Date Collected: 07/27/22 14:45
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.02659		mg/l	0.00050	0.00016	1	07/30/22 07:40	08/01/22 17:53	EPA 3005A	1,6020B	SV
Chromium, Total	0.00072	J	mg/l	0.00100	0.00017	1	07/30/22 07:40	08/01/22 17:53	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/30/22 07:40	08/01/22 17:53	EPA 3005A	1,6020B	SV

Project Name: ZEHNDER RITTLING
Lab Number: L2240613
Project Number: 22-047
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-05
Client ID: MW-9
Sample Location: BUFFALO, NY
Date Collected: 07/28/22 09:10
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.01274		mg/l	0.00050	0.00016	1	07/30/22 07:40	08/01/22 17:58	EPA 3005A	1,6020B	SV
Chromium, Total	0.00206		mg/l	0.00100	0.00017	1	07/30/22 07:40	08/01/22 17:58	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/30/22 07:40	08/01/22 17:58	EPA 3005A	1,6020B	SV

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1669816-1										
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/30/22 07:40	08/01/22 18:17	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/30/22 07:40	08/01/22 18:17	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/30/22 07:40	08/01/22 18:17	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 22-047

Lab Number: L2240613

Report Date: 08/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1669816-2								
Arsenic, Total	100		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Lead, Total	98		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ZEHNDER RITTLING
Project Number: 22-047

Lab Number: L2240613
Report Date: 08/18/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1669816-3 QC Sample: L2200081-49 Client ID: MS Sample												
Arsenic, Total	0.00473	0.12	0.1292	104		-	-		75-125	-		20
Chromium, Total	0.00577	0.2	0.2041	99		-	-		75-125	-		20
Lead, Total	0.00413	0.53	0.5423	102		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 22-047

Lab Number: L2240613

Report Date: 08/18/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1669816-4 QC Sample: L2200081-49 Client ID: DUP Sample						
Arsenic, Total	0.00473	0.00460	mg/l	3		20
Chromium, Total	0.00577	0.00567	mg/l	2		20
Lead, Total	0.00413	0.00441	mg/l	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-01
Client ID: MW-5R
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water

Date Collected: 07/27/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	436.		mg CaCO3/L	2.00	NA	1	-	08/10/22 07:47	121,2320B	CS
Cyanide, Total	0.671		mg/l	0.010	0.003	2	08/03/22 03:00	08/03/22 12:07	1,9010C/9012B	CS

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-02
Client ID: MW-7R
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water

Date Collected: 07/27/22 11:32
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	164.		mg CaCO3/L	2.00	NA	1	-	08/10/22 07:47	121,2320B	CS
Cyanide, Total	0.419		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 11:34	1,9010C/9012B	CS

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-03
Client ID: MW-10
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water
Date Collected: 07/27/22 13:25
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	703.		mg CaCO3/L	5.00	NA	2.5	-	08/10/22 07:47	121,2320B	CS
Cyanide, Total	0.034		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 11:35	1,9010C/9012B	CS

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-04
Client ID: MW-8
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water
Date Collected: 07/27/22 14:45
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	768.		mg CaCO3/L	5.00	NA	2.5	-	08/10/22 07:47	121,2320B	CS
Cyanide, Total	0.128		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 12:03	1,9010C/9012B	CS

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

SAMPLE RESULTS

Lab ID: L2240613-05
Client ID: MW-9
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water
Date Collected: 07/28/22 09:10
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	364.		mg CaCO3/L	2.00	NA	1	-	08/10/22 07:47	121,2320B	CS
Cyanide, Total	2.62		mg/l	0.050	0.018	10	08/04/22 03:15	08/04/22 12:58	1,9010C/9012B	CS

Project Name: ZEHNDER RITTLING
Project Number: 22-047
Lab Number: L2240613
Report Date: 08/18/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1670426-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 11:05	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 02-03 Batch: WG1670428-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 11:05	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1670434-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 11:37	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1670972-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/04/22 03:15	08/04/22 11:57	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1673086-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	08/10/22 07:47	121,2320B	CS

Lab Control Sample Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 22-047

Lab Number: L2240613

Report Date: 08/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1670426-2 WG1670426-3								
Cyanide, Total	100		97		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 02-03 Batch: WG1670428-2 WG1670428-3								
Cyanide, Total	100		97		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG1670434-2 WG1670434-3								
Cyanide, Total	100		96		85-115	4		20
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1670972-2 WG1670972-3								
Cyanide, Total	96		98		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1673086-2								
Alkalinity, Total	109		-		90-110	-		10

Matrix Spike Analysis
Batch Quality Control

Project Name: ZEHNDER RITTLING
Project Number: 22-047

Lab Number: L2240613
Report Date: 08/18/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1670426-4 WG1670426-5 QC Sample: L2240201-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.198	99		0.211	106		80-120	6		20
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1670428-4 WG1670428-5 QC Sample: L2240217-11 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.197	98		0.195	98		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1670434-4 WG1670434-5 QC Sample: L2240201-05 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.216	108		0.222	111		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1670972-4 WG1670972-5 QC Sample: L2240414-01 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.230	115		0.202	101		80-120	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1673086-4 QC Sample: L2241526-01 Client ID: MS Sample												
Alkalinity, Total	6.80	100	108	101		-	-		86-116	-		10

Lab Duplicate Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 22-047

Lab Number: L2240613

Report Date: 08/18/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1673086-3 QC Sample: L2241526-01 Client ID: DUP Sample						
Alkalinity, Total	6.80	6.80	mg CaCO3/L	0		10

Project Name: ZEHNDER RITTLING
Project Number: 22-047

Lab Number: L2240613
Report Date: 08/18/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240613-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-01D	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L2240613-01E	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L2240613-01F	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BE-TI(180),CR-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-6020T(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2240613-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-02D	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L2240613-02E	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L2240613-02F	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BE-TI(180),AS-TI(180),CR-6020T(180),BA-TI(180),AG-TI(180),TL-TI(180),PB-6020T(180),NI-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),AS-6020T(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2240613-03A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-03B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-03C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-03D	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240613-03E	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L2240613-03F	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BE-TI(180),BA-TI(180),CR-6020T(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),PB-6020T(180),CR-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),AS-6020T(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2240613-04A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-04B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-04C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-04D	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L2240613-04E	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L2240613-04F	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),CR-6020T(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-6020T(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),AS-6020T(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2240613-05A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-05B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-05C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYCP51-8260(14)
L2240613-05D	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L2240613-05E	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L2240613-05F	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BE-TI(180),BA-TI(180),CR-6020T(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),PB-6020T(180),TL-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),AS-6020T(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2240613-06A	Vial HCl preserved	A	N/A	N/A	2.6	Y	Absent		NYCP51-8260(14),ARCHIVE()
L2240613-06B	Vial HCl preserved	A	N/A	N/A	2.6	Y	Absent		NYCP51-8260(14),ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2240613
Project Number:	22-047	**Report Date:**	08/18/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2240613
Project Number:	22-047	**Report Date:**	08/18/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2240613
Project Number:	22-047	**Report Date:**	08/18/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2240613
Project Number:	22-047	**Report Date:**	08/18/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page of

Date Rec'd in Lab: 7/29/22

ALPHA Job #: L2240613

Client Information

Client: NW Contracting
Address: 3553 Crittenden
Alden NY 14004
Phone: 716 864-2340
Fax:
Email: JJones@NWContracting.com

Project Information

Project Name: Zehnder Rittling
Project Location: Buffalo NY
Project #: 22-047
(Use Project name as Project #)
Project Manager: Jerry Jones
ALPHAQuote #:

Turn-Around Time

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

Deliverables

- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other

Regulatory Requirement

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

Billing Information

- Same as Client Info

PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

WATCH PARAMETER VS BOTTLE TYPE
ONLY STARS LIST VOCs NEED TO BE REPORTED

Please specify Metals or TAL.

ANALYSIS

- VOC 8260C
- 6010C
- 9012B (8102)
- Alkanity

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260C	6010C	9012B (8102)	Alkanity	Total Bottle	Sample Specific Comments
40613 01	MW-5R	7/27	9:30	W	JAJ	3	1	1	1	6	
02	MW-7R	7/27	11:32	W	JAJ	3	1	1	1	6	
03	MW-10	7/27	1:25	W	JAJ	3	1	1	1	6	
04	MW-8	7/27	2:45	W	JAJ	3	1	1	1	6	
05	MW-9	7/25	9:10	W	JAJ	3	1	1	1	6	

Container Type					A	P	P	P				
Preservative					HCL	C	E	A				

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	7/28/22 1520		7/28/22 @ 15:20
	7/28/22 16:10		7/29/22 0020

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

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

ANALYTICAL REPORT

Lab Number:	L2355098
Client:	NW Contracting 3553 Crittenden Rd Alden, NY 14004
ATTN:	Dale Gramza
Phone:	(716) 937-6527
Project Name:	ZEHNDER RITTLING
Project Number:	23-032
Report Date:	10/04/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2355098-01	MW-9	WATER	BUFFALO, NY	09/18/23 11:20	09/20/23
L2355098-02	MW-8	WATER	BUFFALO, NY	09/18/23 12:50	09/20/23
L2355098-03	MW-7	WATER	BUFFALO, NY	09/18/23 14:22	09/20/23
L2355098-04	MW-10	WATER	BUFFALO, NY	09/18/23 15:25	09/20/23
L2355098-05	MW-5	WATER	BUFFALO, NY	09/18/23 16:10	09/20/23
L2355098-06	TRIP BLANK	WATER	BUFFALO, NY	09/18/23 00:00	09/20/23

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2355098
Project Number:	23-032	**Report Date:**	10/04/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2355098
Project Number:	23-032	**Report Date:**	10/04/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2355098-06: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L2355098-05: Headspace was noted in the sample container submitted for Total Alkalinity - SM 2320.

Volatile Organics

L2355098-02D: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Total Alkalinity

The WG1833878-4 MS recovery, performed on L2355098-01, is outside the acceptance criteria for alkalinity, total (70%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 10/04/23

ORGANICS

VOLATILES

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-01
Client ID: MW-9
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 11:20
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/28/23 11:02
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	0.88		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: ZEHNDER RITTLING **Lab Number:** L2355098

Project Number: 23-032 **Report Date:** 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-02 D
Client ID: MW-8
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 12:50
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/28/23 11:50
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	8500		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
n-Butylbenzene	ND		ug/l	250	70.	100
sec-Butylbenzene	ND		ug/l	250	70.	100
tert-Butylbenzene	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
p-Isopropyltoluene	ND		ug/l	250	70.	100
Naphthalene	ND		ug/l	250	70.	100
n-Propylbenzene	ND		ug/l	250	70.	100
1,3,5-Trimethylbenzene	ND		ug/l	250	70.	100
1,2,4-Trimethylbenzene	ND		ug/l	250	70.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	90		70-130

Project Name: ZEHNDER RITTLING
Project Number: 23-032
Lab Number: L2355098
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-03
Client ID: MW-7
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 14:22
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/28/23 12:13
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	5.7		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-04
Client ID: MW-10
Sample Location: BUFFALO, NY
Date Collected: 09/18/23 15:25
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/28/23 12:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	1.6		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-05
Client ID: MW-5
Sample Location: BUFFALO, NY
Date Collected: 09/18/23 16:10
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/28/23 13:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	1.3		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-06
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 00:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/28/23 11:26
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: ZEHNDER RITTLING **Lab Number:** L2355098

Project Number: 23-032 **Report Date:** 10/04/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/28/23 08:40
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1833791-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 23-032

Lab Number: L2355098

Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1833791-3 WG1833791-4								
Benzene	92		88		70-130	4		20
Toluene	97		94		70-130	3		20
Ethylbenzene	94		90		70-130	4		20
Methyl tert butyl ether	90		90		63-130	0		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
n-Butylbenzene	95		90		53-136	5		20
sec-Butylbenzene	95		93		70-130	2		20
tert-Butylbenzene	95		92		70-130	3		20
Isopropylbenzene	94		90		70-130	4		20
p-Isopropyltoluene	95		92		70-130	3		20
Naphthalene	**69**	Q	74		70-130	7		20
n-Propylbenzene	94		90		69-130	4		20
1,3,5-Trimethylbenzene	95		90		64-130	5		20
1,2,4-Trimethylbenzene	94		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	95		92		70-130
Dibromofluoromethane	94		96		70-130

METALS

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-01
Client ID: MW-9
Sample Location: BUFFALO, NY
Date Collected: 09/18/23 11:20
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.01507		mg/l	0.00050	0.00016	1	09/25/23 07:51	10/03/23 23:26	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00350		mg/l	0.00100	0.00017	1	09/25/23 07:51	10/03/23 23:26	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/25/23 07:51	10/03/23 23:26	EPA 3005A	1,6020B	WKP

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-02
Client ID: MW-8
Sample Location: BUFFALO, NY
Date Collected: 09/18/23 12:50
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.02416		mg/l	0.00050	0.00016	1	09/25/23 07:51	10/03/23 23:40	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00087	J	mg/l	0.00100	0.00017	1	09/25/23 07:51	10/03/23 23:40	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/25/23 07:51	10/03/23 23:40	EPA 3005A	1,6020B	WKP

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-03
Client ID: MW-7
Sample Location: BUFFALO, NY
Date Collected: 09/18/23 14:22
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00438		mg/l	0.00050	0.00016	1	09/25/23 07:51	10/03/23 23:45	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00178		mg/l	0.00100	0.00017	1	09/25/23 07:51	10/03/23 23:45	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/25/23 07:51	10/03/23 23:45	EPA 3005A	1,6020B	WKP

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-04
Client ID: MW-10
Sample Location: BUFFALO, NY
Date Collected: 09/18/23 15:25
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00395		mg/l	0.00050	0.00016	1	09/25/23 07:51	10/03/23 23:50	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00044	J	mg/l	0.00100	0.00017	1	09/25/23 07:51	10/03/23 23:50	EPA 3005A	1,6020B	WKP
Lead, Total	0.00311		mg/l	0.00100	0.00034	1	09/25/23 07:51	10/03/23 23:50	EPA 3005A	1,6020B	WKP

Project Name: ZEHNDER RITTLING
Lab Number: L2355098
Project Number: 23-032
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-05
Client ID: MW-5
Sample Location: BUFFALO, NY
Date Collected: 09/18/23 16:10
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.01101		mg/l	0.00050	0.00016	1	09/25/23 07:51	10/03/23 23:54	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00341		mg/l	0.00100	0.00017	1	09/25/23 07:51	10/03/23 23:54	EPA 3005A	1,6020B	WKP
Lead, Total	0.00351		mg/l	0.00100	0.00034	1	09/25/23 07:51	10/03/23 23:54	EPA 3005A	1,6020B	WKP

Project Name: ZEHNDER RITTLING **Lab Number:** L2355098

Project Number: 23-032 **Report Date:** 10/04/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1831415-1										
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/25/23 07:51	09/26/23 07:05	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/25/23 07:51	09/26/23 07:05	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/25/23 07:51	09/26/23 07:05	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 23-032

Lab Number: L2355098

Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1831415-2								
Arsenic, Total	106		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Lead, Total	103		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1831415-3 QC Sample: L2355204-01 Client ID: MS Sample												
Arsenic, Total	ND	0.12	0.1247	104		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.2204	110		-	-		75-125	-		20
Lead, Total	ND	0.53	0.6093	115		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1831415-4 QC Sample: L2355204-01 Client ID: DUP Sample						
Arsenic, Total	ND	0.00027J	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-01
Client ID: MW-9
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 11:20
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	296.		mg CaCO3/L	4.00	NA	2	-	09/30/23 10:19	121,2320B	MRM
Cyanide, Total	2.57		mg/l	0.050	0.018	10	09/28/23 09:50	09/28/23 15:32	1,9010C/9012B	JER

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-02
Client ID: MW-8
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 12:50
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	772.		mg CaCO3/L	4.00	NA	2	-	09/30/23 10:35	121,2320B	MRM
Cyanide, Total	0.136		mg/l	0.005	0.001	1	09/28/23 09:50	09/28/23 15:33	1,9010C/9012B	JER

Project Name: ZEHNDER RITTLING
Project Number: 23-032
Lab Number: L2355098
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-03
Client ID: MW-7
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water

Date Collected: 09/18/23 14:22
Date Received: 09/20/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	220.		mg CaCO3/L	4.00	NA	2	-	09/30/23 10:47	121,2320B	MRM
Cyanide, Total	0.303		mg/l	0.005	0.001	1	09/28/23 09:50	09/28/23 15:06	1,9010C/9012B	JER

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-04
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 15:25
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	926.		mg CaCO3/L	10.0	NA	5	-	09/30/23 11:43	121,2320B	MRM
Cyanide, Total	0.050		mg/l	0.005	0.001	1	09/28/23 09:50	09/28/23 15:07	1,9010C/9012B	JER

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

SAMPLE RESULTS

Lab ID: L2355098-05
Client ID: MW-5
Sample Location: BUFFALO, NY

Date Collected: 09/18/23 16:10
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	510.		mg CaCO3/L	2.00	NA	1	-	09/30/23 11:08	121,2320B	MRM
Cyanide, Total	0.379		mg/l	0.005	0.001	1	09/28/23 09:50	09/28/23 15:08	1,9010C/9012B	JER

Project Name: ZEHNDER RITTLING
Project Number: 23-032
Lab Number: L2355098
Report Date: 10/04/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1833000-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/28/23 09:50	09/28/23 14:51	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1833878-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	09/30/23 10:06	121,2320B	MRM

Lab Control Sample Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 23-032

Lab Number: L2355098

Report Date: 10/04/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1833000-2 WG1833000-3								
Cyanide, Total	100		98		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1833878-2								
Alkalinity, Total	100		-		90-110	-		10

Matrix Spike Analysis
Batch Quality Control

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1833000-4 WG1833000-5 QC Sample: L2354989-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.196	98		0.200	100		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1833878-4 QC Sample: L2355098-01 Client ID: MW-9												
Alkalinity, Total	296.	200	437	**70**	Q	-	-		86-116	-		10

Lab Duplicate Analysis

Batch Quality Control

Project Name: ZEHNDER RITTLING

Project Number: 23-032

Lab Number: L2355098

Report Date: 10/04/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1833878-3 QC Sample: L2355098-01 Client ID: MW-9						
Alkalinity, Total	296.	278	mg CaCO3/L	6		10

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2355098-01A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-01B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-01C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-01D	Plastic 250ml unpreserved/No Headspace	A	NA		2.8	Y	Absent		ALK-T-2320(14)
L2355098-01E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180)
L2355098-01F	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2355098-02A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-02B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-02C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-02D	Plastic 250ml unpreserved/No Headspace	A	NA		2.8	Y	Absent		ALK-T-2320(14)
L2355098-02E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180)
L2355098-02F	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2355098-03A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-03B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-03C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-03D	Plastic 250ml unpreserved/No Headspace	A	NA		2.8	Y	Absent		ALK-T-2320(14)
L2355098-03E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180)
L2355098-03F	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2355098-04A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-04B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-04C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-04D	Plastic 250ml unpreserved/No Headspace	A	NA		2.8	Y	Absent		ALK-T-2320(14)
L2355098-04E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: ZEHNDER RITTLING
Project Number: 23-032

Lab Number: L2355098
Report Date: 10/04/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2355098-04F	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2355098-05A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-05B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-05C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-05D	Plastic 250ml unpreserved/No Headspace	A	NA		2.8	Y	Absent		ALK-T-2320(14)
L2355098-05E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180)
L2355098-05F	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2355098-06A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)
L2355098-06B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYCP51-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2355098
Project Number:	23-032	**Report Date:**	10/04/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2355098
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2355098
Project Number:	23-032	**Report Date:**	10/04/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	ZEHNDER RITTLING	**Lab Number:**	L2355098
Project Number:	23-032	**Report Date:**	10/04/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

Page of

Date Rec'd in Lab: 9/21/23

ALPHA Job #: L2355098

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

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

Client Information
Client: NW Contracting
Address: 3553 Crittenden Rd
Alden NY 14004
Phone: 716-864-8140
Fax:
Email: JJones@NWcontracting.com

Project Information
Project Name: Zehnder Rittling
Project Location: Buffalo NY
Project #: 23-032
(Use Project name as Project #)
Project Manager: Jerry Jones
ALPHAQuote #:

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

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

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

Billing Information
[X] Same as Client Info
PO # 23-032

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

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260 C	6010 C	9012 B	(3102) ALKALINITY	Total Bottle	Sample Specific Comments
55098 01	MW-9	9/18	11:20	W	JAJ	3	1	1	1	6	
02	MW-8	9/18	12:50	W	JAJ	3	1	1	1	6	
03	MW-7	9/18	2:22	W	JAJ	3	1	1	1	6	
04	MW-10	9/18	3:25	W	JAJ	3	1	1	1	6	
05	MW-5	9/18	4:10	W	JAJ	3	1	1	1	6	

Container Type	A	P	P	P	
Preservative	HCL	C	E	A	

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	9/19/23		9/20/23 11:00
	9/20/23 1355		9/21/23 0100

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

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