2024 ANNUAL OPERATION MONITORING AND MAINTENANCE REPORT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM JANUARY 1 THROUGH DECEMBER 31, 2024

WORK ASSIGNMENT NO. D009809-25.2

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

Prepared by:

Earth Environment Engineering and Geology, P.C.
Portland, Maine

EEEG: US-EI-7772210116

MAY 2025

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Submitted by:





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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

1,1-DCA	1,1-Drichloroethane
1,1-DCE	1,1-Dichloroethene
1,2-DCE	1,2-Dichloroethene
1,1,1-TCA	1,1,1-Trichloroethane
Class GA	NYS Class GA Standards
COC	chain of custody
COPC	constituent of potential concern
CVOCs	Chlorinated Volatile Organic Compounds
DIR	Daily Inspection Report
EEEG	Earth Environment Engineering and Geology, P.C.
EW	extraction well
GAC	granular activated carbon
gpm	gallons per minute
GWETS	Groundwater Extraction and Treatment System
MDL	Method Detection Limit
MRIP	Mohonk Road Industrial Plant
µg/L	micrograms per liter
NTCRA	Non-Time-Critical Removal Action
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health

GLOSSARY OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

OMM	Operation Monitoring and Maintenance
PVC	polyvinyl chloride
ROD	Record of Decision
RSO	remedial systems optimization
SIM	selected ion monitoring
Site	Mohonk Road Industrial Plant site
SM	Site Management
SPDES	State Pollutant Discharge Elimination System
SSDS	sub-surface depressurization system
TCE	trichloroethene
TDS	total dissolved solids
TOC	top of casing
TSS	total suspended solids
USEPA	United States Environmental Protection Agency
VFD	variable frequency drive
VOC	volatile organic compound

1.0 INTRODUCTION

Earth Environment Engineering and Geology, P.C. (EEEG)[1] is pleased to submit the 2024 Annual Operation Monitoring and Maintenance (OMM) report. This report summarizes the OMM activities of the Groundwater Extraction and Treatment System (GWETS) and Site Sub-Slab Depressurization System (SSDS) during the 2024 reporting period (January 1, 2024 through December 31, 2024) at the Mohonk Road Industrial Plant (MRIP) Site (New York State Department of Environmental Conservation Site #356023) (hereafter "Site"), located at 186 Mohonk Road, Town of Marbletown, Ulster County, New York (refer to Figure 1).

1.1 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

The Site GWETS is comprised of a groundwater recovery system with groundwater treatment via air stripping. Groundwater is recovered through three extraction well (EW) pumps, located in wells ERT-1, MW-5R, and MW-7R (refer to Figure 2). The GWETS, which became operational in May 2000, was installed by the United States Environmental Protection Agency (USEPA) under a non-time-critical removal action (NTCRA) designed to minimize the further migration of the most highly contaminated portion of the volatile organic compound (VOC) groundwater plume determined associated with the Site.

In 2011 the operation of the GWETS was transferred to the New York State Department of Environmental Conservation (NYSDEC) for continued operation in accordance with the 2000 Record of Decision (ROD) selected remedy:

- Contaminant reduction through the extraction of groundwater in the near field and far field plume to restore the aquifer to its most beneficial use (as a potable water supply), treatment with an air stripper, and discharge of the treated water to the nearby Rondout Creek and Coxing Kill Creek. The "near field" plume is defined as the groundwater plume area where total groundwater VOC concentrations are greater than 1,000 parts per billion (micrograms

[1] Prior to June 2024, Earth Environment Engineering and Geology, P.C. (EEEG) was known as MACTEC.

per liter [µg/L]); the "far field" plume[2] is defined at the groundwater plume area where total groundwater VOC concentrations are between 10 µg/L and 1,000 µg/L.

- The High Falls Water Treatment Facility was constructed as a public water supply system to provide potable water to the residences and businesses in the Towns of Marbletown and Rosendale with impacted or threatened private supply wells.
- Implementation of a groundwater monitoring program to evaluate the effectiveness of the remedy.

The GWETS has been subsequently modified in accordance with approvals obtained from the NYSDEC. The modifications generally included the following:

- June 2014 through January 2016: Three Phase Pilot Test for Optimization of original GWETS resulted in new GWETS configuration commissioned on March 2, 2016. Modifications included removal of granular activated carbon (GAC) treatment, removal of acid additions, construction of an interior process room located within GWETS process building, moving influent holding tank into process building, upgrade of computer system to ProControl with cellular modem and ProView software, and the installation of new variable frequency drives (VFDs) to support site pumps (2016 RSO Report, Mactec 2016).
- September 2017: Addition of Redux 390 amendment via metering pump to relieve calcification issues (Mohonk Road 2017 Q34 Summary Report, Mactec 2017).
- August 2022: Remedial System Optimization Pilot Test of GWETS resulted in modifications of the extraction well configurations including the installation of dedicated packers within each extraction well, extraction well pump intake depths modifications to higher set elevations, and associated extraction well electrical upgrades (15-month RSO Pilot Test Report, EEEG 2025).

1.1.1 2022 GWETS Extraction Well Optimization

The GWETS extraction wells ERT-1, MW-5R and MW-7R were modified in 2022 prior to the Remedial System Optimization (RSO) Pilot Test to optimize their effectiveness. These extraction wells, having total depths of 195 ft bgs (ERT-1), 125 ft bgs (MW-5R) and 180 ft bgs (MW-7R), were

[2] The remedy for the far field plume was subsequently changed to Monitored Natural Attenuation under a 2008 ROD.

modified to target water bearing fracture(s)[3] exhibiting elevated VOC concentrations. A photo log of the RSO Pilot Test setup extraction well modifications, as described below, can be found in Appendix A. The extraction well modifications at ERT-1, MW-5R, and MW-7R included:

- Installation of dedicated packers (each 5 feet in length, 6 inches in diameter) designed and supplied by Lansas to isolate the target water bearing fracture(s) for extraction, with the goal of increasing contaminant VOC concentrations in the GWETS influent.
- Inflation of the packers with nitrogen sourced from the GWETS plant building via conduit trenching installed to each well head.
- Installation of new Franklin pumps, 1.5 hp (ERT-1), 1 hp (MW-5R), and 1 hp (MW-7R) within the GWETS extraction wells concurrently with the installation of the dedicated packers.

1.2 SUB-SLAB DEPRESSURIZATION SYSTEM

The Site includes an SSDS within the on-site commercial building. The SSDS was installed by the USEPA (January through February 2007 with upgrades in June 2009) under an emergency response designed to prevent potential soil vapor migration. The SSDS is designed to run continuously and consists of seven sub-slab vent points, designated as SS-1 through SS-7 (refer to Figure 3), installed beneath the concrete slab. Each sub-slab vent point is connected by 3-inch diameter PVC pipe to a RadonAway DynaVac HS Series blower (identified as Fan #1 through Fan #7) vertically mounted to the outside of the building (USEPA, 2009).

1.3 SITE MANAGEMENT REQUIREMENTS

Current Site Management (SM) requirements for monitoring the performance and effectiveness of the remedial measures completed at the Site consist of operating the GWETS and SSDS, as well as routine inspection, sampling, and reporting. The SM requirements are presented in Table 1 and include activities required for the GWETS, SSDS, System Performance Monitoring, and Environmental Groundwater Sampling documented through Site Management Forms (refer to Appendix B).

[3] These fractures were identified during 2016 RSO Pilot Test (MACTEC, 2016) at 114'-116' bgs (ERT-1), 92.5'-93.5' bgs (MW-5R), and 93.5'-99' bgs (MW-7R).

The GWETS requires the collection of monthly performance sampling as summarized in Table 2. Collected effluent performance sampling is required to be in compliance with the SPDES Permit Equivalent: Mohonk Road Industrial Plant, DER Site ID# 3-56-023, dated February 9, 2021, included as Appendix C.

1.4 PROJECT DOCUMENTS

The operation of the GWETS and SSDS during the reporting period was governed by the requirements of the following USEPA and NYSDEC approved Site documents including any subsequent revisions/updates:

- Site Management Plan, Mohonk Road Industrial Plant (MRIP)Site, Hamlet of High Falls, Mactec, February 2024.
- Operations and Maintenance Manual, Mohonk Road Industrial Plant (MRIP) Site, Hamlet of High Falls, New York, AECOM, September 2011.
- SPDES Permit Equivalent: Mohonk Road Industrial Plant, DER Site ID# 3-56-023, dated February 9, 2021.

2.0 GWETS OPERATION MAINTENANCE AND MONITORING

The GWETS is a groundwater recovery system with groundwater treatment via air stripping. Groundwater is recovered through three EW pumps, located in wells ERT-1, MW-5R, and MW-7R. No modifications were made to the GWETS during the 2024 reporting period and no GWETS modifications are anticipated at this time.

GWETS operation and performance were monitored through the collection of the following information:

- Daily GWETS data log compilation and evaluation of the GWETS site data generated through the remote operation of the GWETS (refer to Table 3). Review of the daily data collected, including volume of water pumped, downtime for the system, and GWETS operation notifications log review is completed to determine and implement required GWETS and VFD adjustments.
- Monthly GWETS inspection during monthly site visits including site visit documentation (refer to Appendix D) and completion of appropriate checklists and forms (refer to Appendix E).
- GWETS performance monitoring is completed through the monthly collection of Influent extraction well samples from MW-5R, MW-7R, and ERT-1, Pre-Air Stripper Combined Influent sampling, and Air Stripper Effluent grab sampling for analytical analysis of VOCs, total dissolved solids (TDS), total suspended solids (TSS), Iron, pH, and 1-4-Dioxane (refer to Table 4).

2.1 GWETS OPERATION

The GWETS is remotely operated with an EOS ProControl PLC. The ProControl sends daily emails which report the status of each GWETS component. Critical data received via the daily emails includes, but is not limited to, extraction well water levels (feet below top of casing (TOC)), the

pumping rate gallons per minute (gpm) for each extraction well, packer system nitrogen pressure, air stripper pressure, and effluent pH.

The system also allows for the operators to make manual or program automatic adjustments the to GWETS (i.e. pumping rates) as needed based on operational objectives. Program automatic adjustments completed by the operator during the 2024 reporting period have included manual adjustment of pump speed in cases when an extraction well is down, and automatic adjustment programing of pump speeds based on other observed system conditions, such as groundwater elevation.

The ProControl also sends emergency notifications to the operator(s) when an alarm is triggered by a GWETS component, allowing them to remotely assess and respond to the alarm. If an alarm condition cannot be remedied remotely, an emergency non-routine visit is scheduled to further diagnose or remedy the alarm condition.

2.1.1 Operations and GWETS Downtime

The GWETS operated for 96.6% of the 2024 reporting period (January 1, 2024, through December 31, 2024). The individual extraction wells operated at 42.8% (ERT-1), 65.1% (MW-5R), and 95.4% (MW-7R) during the OMM reporting period. The operation percentage for extraction wells ERT-1 and MW-5R were impacted by non-operational periods of downtime of 209.5 days (ERT-1) and 127.9 days (MW-5R) due to required maintenance discussed further in Section 2.2. The GWETS operation continued during the individual extraction well downtime periods.

As described below, the six (6) GWETS shutdowns resulted in a total system downtime of approximately 11.5 days during the reporting period (refer to Table 3 and Appendix D); these shutdowns did not impact monitoring activities or the overall effectiveness of the GWETS.

2024 GWETS Downtime

- On January 13, 2024, the on-call operator received a transfer tank VFD power failure call out. Remote reset of the GWETS was successful. The system was offline for 12 hours.

- On April 17, 2024, the system went down due to a power outage. Remote reset of the GWETS was successful on April 18, 2024. The system was offline for approximately 24 hours.
- On June 23, 2024, at 18:25 the system went down due to an electrical surge. The system was remotely reset on July 24, at 08:00. The system was offline for approximately 13.5 hours.
- On July 13, 2024, the system was down due to an electrical surge. Communications were lost. Remote reset of the GWETS was possible when communications were returned on July 19, 2024. The system was offline for approximately 6 days.
- On August 9, 2024, the system went down due to an electrical surge. The system was restarted remotely on August 12, 2024. The system was offline for approximately 3 days.
- On November 24, 2024, at 21:50, the system went down due to an electrical surge. It was restarted remotely on November 25, 2024, at 07:35 after being down for 9.75 hours.

2.1.2 Groundwater Extraction Wells Pumping Rates and Volume Treated

The individual extraction well flow rates (gpm), volumes of extracted water from individual GWETS extraction wells MW-5R, and MW-7R, and ERT-1, and combined total volume of groundwater treated by the GWETS were recorded throughout the 2024 reporting period. The total GWETS combined extraction well flow rate ranged from a minimum of 0 gpm (GWETS shutdown durations) to a maximum of 30.4 gpm; with an average daily flow rate of 17.7 gpm during the 2024 reporting period (refer to Table 3). The typical operational target flow rates for MW-5R, MW-7R, and ERT-1 were 7.5 gpm, 7.5 gpm, and 10 gpm respectively, with a total 25 gpm target flow rate for the extraction system.

The typical GWETS flow rates were manually modified to achieve target flow rates and/or system needs as required during periods of extraction well downtime in order to maximize the flow rates of the remaining operational extraction wells, and maintain hydraulic control.

During the 2024 Annual OMM reporting period, approximately; 3,222,997 gallons (MW-5R), 4,286,468 gallons (MW-7R), and 2,374,074 gallons (ERT-1), resulting in a total of 9,883,539 gallons

of groundwater were extracted and treated from the GWETS extraction wells based on EW flow meter readings (refer to Table 3).

2.1.3 Utility Usage

The GWETS used 39,602 kWh of power during the 2024 reporting period at a cost of $4,819.12. Although the propane tanks were filled in January 2024, no propane charges were incurred during the 2024 reporting period.

2.2 GWETS INSPECTIONS AND MAINTENANCE

GWETS inspections and maintenance are comprised of visual system inspections, routine maintenance, and emergency response maintenance as required.

A visual inspection of the complete system is conducted during each monthly site visit monitoring event to verify operation and for the completion of routine maintenance. The following OMM activities are performed during routine monthly site inspections:

- GWETS Operation Checklist – Check groundwater treatment system operation: flow rates, meter readings, system components, Redux volume, Nitrogen
- Extraction Well Inspection at ERT-1, MW-5R and MW-7R – Visit extraction wells to inspect wells, housings and control panels
- Control Panel Inspection and Heaters – Check function of control panel indicating lighting, check plant temperature.
- Safety Equipment and Lighting Inspection – Inspect safety equipment for and plant lighting for proper operations.
- Site Security Inspection – Check treatment building door locks, fencing and site perimeter fence for defects.
- Collection of GWETS Performance Samples including influent and effluent samples.

If issues are identified during the routine site inspections, or by remote monitoring, non-routine GWETS maintenance is performed or scheduled. Non-routine site visit inspections and/or sampling

may take place when a suspected failure of the GWETS has been reported, or an emergency occurs that is deemed likely to affect the operation of the system. Procedures for operating and maintaining the GWETS are documented in the Operation and Maintenance Plan (Section 5.0 of the 2024 SMP, Mactec 2024).

GWETS components monitored include, but are not limited to, the components summarized within Table 1 and recorded on the Site management forms and inspection checklists provided in appendices D and E. If any equipment readings are not within their specified operation range, any equipment is observed to be malfunctioning, or the system is not performing within specifications; maintenance and repair, as per the Operation and Maintenance Plan, is immediately scheduled.

2.2.1 GWETS Maintenance

The following GWETS maintenance and/or improvements were performed during routine and non-routine Site Visits:

- On January 10, 2024, the nitrogen cylinder and Redux 309 drum were replaced.
- On January 11, 2024, the MW-7R faulty level transmitter removed. Superior Plus Propane Company performed an annual safety inspection of the plant building propane tanks, however the annual inspection of the internal plant building propane heater located in the process room was not completed.
- On February 6, 2024, the MW-7R level transmitter was replaced, the Redux 309 drum was replaced, pest repellent devices were deployed in each room of the GWETS and the pH meter was cleaned and reset.
- On February 21, 2024, troubleshooting was conducted at ERT-1 after a suspected power surge. ERT-1 remained non-operational.
- On March 5, 2024, troubleshooting of an erroneous nitrogen alarm was conducted and the Redux 309 drum was replaced.

- On March 11, 2024, ERT-1 troubleshooting was continued. The issue was narrowed down to the VFD and the pump motor. Further confirmation was required. ERT-1 remained non-operational.
- On March 21, 2024, ERT-1 troubleshooting continued and found that both the VFD and pump motor were faulty. Troubleshooting at MW-5R began after a power surge. The MW-5R pump motor was found to be faulty. A nitrogen leak at MW-5R was isolated and the nitrogen tank was replaced.
- On April 10, 2024, troubleshooting of a communications issue was conducted. A restart of the modem fixed the issue. The GWETS effluent pH sensor was inspected and cleaned.
- On April 11, 2024, a Redux 309 shipment was received.
- On May 8, 2024, Grounds maintenance/trimming was conducted and the GWETS pH meter was calibrated. The pH meter did not calibrate correctly.
- On May 9, 2024, the ERT-1 pump motor and VFD were replaced. The VFD was discovered to be faulty from manufacturer. The MW-5R pump motor was replaced and the nitrogen line was inspected for leaks. MW-5R's VFD was found to be faulty. ERT-1 and MW-5R remained non-operational.
- On May 29, 2024, Replacement of the VFDs at ERT-1 and MW-5R was conducted. MW-5R was repaired and was operational. The new Gould's motor installed at ERT-1 was found to be faulty form the manufacturer. ERT-1 remained non-operational.
- On June 12, 2024, Grounds maintenance/trimming was conducted, the Redux 309 drum was replaced, the ERT-1 pump motor was pulled and confirmed to be faulty and will be replaced under manufacturer warranty. ERT-1 remained non-operational.
- On July 10, 2024, Grounds maintenance/trimming was conducted, the Redux 309 drum was replaced and MW-5R troubleshooting was performed (EEEG could not set the speed for the pump on the VFD). ERT-1 and MW-5R were non-operational.
- On July 31, 2024, the ERT-1 pump motor was replaced, but VFD troubleshooting was unsuccessful. MW-5R VFD troubleshooting was conducted successfully and was operational. ERT-1 remained non-operational.

- On August 8, 2024, Air stripper troubleshooting due to an overflow was conducted. The Air stripper was returned to operational status. The new GWETS effluent pH meter was installed. MW-5R and ERT-1 were left non-operational after troubleshooting by a controls specialist pending further VFD troubleshooting.
- On August 13, 2024, the MW-5R VFD was replaced. This fixed the issue and the well was operational. ERT-1 troubleshooting revealed that the VFD needed to be replaced. A time delay relay installed on the system modem to alleviate communications issues and the Redux 309 drum was replaced.
- On September 9, 2024, the ERT-1 VFD was replaced and confirmed operational. The well packer and pump were pulled form ERT-1 for inspection and when reinstalled the packer was floating before fully inflated. ERT-1 remained non-operational pending well packer troubleshooting.
- On September 10, 2024, ERT-1 had ballast added to its well packer. The packer was successfully deployed at the correct depth. ERT-1 was again operational upon the completion of additional VFD troubleshooting/programming.
- On October 9, 2024, surge suppressors for the extraction wells were installed to protect VFDs for electrical surges, atmospheric bellows were installed on all extraction well transducers, programming was added to MW-5R and MW-7R VFDs, the sacrificial anodes in extraction wells were replaced and the Annual Air Stripper Inspection and Maintenance was completed.
- On November 13, 2024, the Redux 309 drum was changed, the proper operation of the heat trace was confirmed, and it was verified that the MW-7R level transducer was fully deployed.

2.2.2 Extraction Well Maintenance

The GWETS EWs experienced significant downtime during the 2024 reporting period resulting in the following required maintenance (refer to Table 3):

ERT-1

- On February 17, 2024, at 18:51, extraction well ERT-1 failed due to a power surge that damaged multiple extraction well components. It was down for approximately 7 months due to contract issues, part delays due to availability and defective part issues. ERT-1 was ultimately repaired on September 10, 2024 (refer to daily inspection reports (DIRs): May 9, 2024, May 29, 2024, July 31, 2024, August 13, 2024, September 9, 2024 and September 10, 2024).
- On November 16, 2024, extraction well ERT-1 went down, however, no alarms were generated or set-points reached. It was restarted remotely on November 18, 2024 at 08:00 after being down for 2.25 days.

MW-5R

- On March 14, 2024, at 02:28, extraction well MW-5R failed due to a power surge that damaged the pump motor and VFD. The pump was replaced on May 9, 2024; The VFD was repaired on May 29, 2024 (refer to DIRs from May 9, 2024 and May 29, 2024).
- On June 13, 2024, MW-5R failed due to a VFD programming issue, The issue was repaired on July 31, 2024. The well was down for approximately 1.5 months (refer to DIRs from July 10, 2024 and July 31, 2024)
- On August 8, 2024, extraction well MW-5R failed due to a faulty VFD. The VFD was replaced on August 13, 2024 (refer to DIRs from July 31, 2024 and August 8, 2024)

MW-7R

- On January 10, 2024, the level transducer at the MW-7R wellhead was damaged by rodent activity in the well casing. MW-7R was down for approximately 14 hours. The level transducer was repaired on February 5, 2024. Groundwater level readings at MW-7R between January 10 and February 5 were flagged as inaccurate.
- On August 5, 2024 at 07:30, extraction well MW-7R went offline due to an AC power failure caused by the air stripper. It was brought back online by manual reset on August 8, 2024 (refer to DIR from August 8, 2024).

- On November 16, 2024, extraction well MW-7R went down, however, no alarms were generated or set-points reached. It was restarted remotely on November 18, 2024, at 08:00 after being down for 2.25 days.
- On December 19, 2024, extraction well MW-7R was shut down remotely due to performance issues. Upon site inspection, the pump intake screen was determined to be clogged. Intake screen was cleared on January 9, 2025 (refer to DIR from January 9, 2025).

2.3 GROUNDWATER LEVEL MEASUREMENTS

Groundwater-level measurements were collected during the 2024 reporting period on February 6, 2024 and August 26, 2024 from the Site Monitoring Well Network (refer to Table 6) to assess the direction of groundwater flow and the extent of groundwater capture zone during the operation of the extraction system. The contours presented on each of the groundwater elevation figures (refer to Figures 4 and 5) were developed using a combination of triangulation and interpolation based on an understanding of the site specific hydrogeologic characteristics of the subsurface.

Evaluation of the compiled contour figures reveals an increased depressed zone in February 2024 compared to August 2024 which is attributed to the differences in extraction well operation and influent flow rates (refer to Table 3). Specifically, during the February 6, 2024 groundwater level measurements all three extraction wells were operating with a total influent flow of 29.5 gallons per minute (gpm), while during the August 26, 2024 groundwater level measurements, only two extraction wells, MW-5R and MW-7R, were operating with a total influent flow of 21.3 gpm.

2.4 GWETS PERFORMANCE MONITORING

GWETS performance monitoring is completed through the monitoring of daily flow rates and the monthly collection of Influent samples from extraction wells MW-5R, MW-7R, and ERT-1, Pre-Air Stripper Combined Influent sampling, and the post-treatment Air Stripper Effluent sampling. Performance monitoring is completed in accordance with the effluent limitations and monitoring requirements (refer to Appendix C and Table 5) and GWETS performance sampling requirements (refer to Table 2).

The performance samples were submitted to Alpha Analytical[4] - Westborough, MA Laboratory for analysis of VOCs, via Method 624, 1-4 Dioxane via Method 8270 SIM, TDS via Method SM2540, TSS via Method SM2540, Iron via Method EPA 200.7, and pH via Method SM4500. Performance monitoring sampling results for the 2024 reporting period are included in Table 4 and associated Electronic Data Deliverables (EDDs) have been uploaded to NYSDEC EQUIS database. The 2024 OMM chemist review summaries are included Appendix F.

In accordance with the SPDES Permit Equivalent[5], Effluent Limitations (permit discharge limits) were used for comparison to the treated groundwater (effluent) being discharged. These numerical limits are applicable at the point of treated groundwater effluent discharge at the end of the force main which leads to the Coxing Kill. Treated remediation wastewater is discharged to the Coxing Kill and Tributaries through the NYSDEC SPDES Permit Equivalent: Mohonk Road Industrial Plant, DER Site# 356023. The SPDES Permit and associated effluent limitations and monitoring requirements are included as Appendix C.

Effluent compliance samples, collected monthly during the 2024 reporting period (January 1, 2024, through December 31, 2024), were collected from the effluent side (post-Air Stripper) of the final treatment unit prior to discharge.

All effluent compliance sample results were within the SPDES permit equivalent effluent limitations, however, the benzene method detection limit (MDL) of 0.38 µg/L (with reporting limit of 1 µg/L) was slightly higher than the 0.2 µg/L permit requirement. Benzene is not a site constituent of potential concern (COPC) and all influent and effluent sample results during the 2024 Annual OMM reporting period were non-detect at the 0.38 µg/L MDL for benzene. The 0.2 µg/L MDL for Benzene has been corrected under the NYSDEC Pace laboratory contract, effective January 2025.

2.4.1 Volatile Organic Compounds (VOCs)

Of the 12 VOCs required for monitoring by the SPDES permit equivalent only four (4) VOC analytes are consistently detected in GWETS influent samples: 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-

[4] Alpha Analytical was purchased by Pace Analytical during the 2024 reporting period and the December 11, 2024 performance sampling data package reflects this change in name.
[5] SPDES Permit Equivalent: Mohonk Road Industrial Plant, DER Site ID#3-56-023, dated February 9, 2021.

Drichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1-DCE), and Trichloroethene (TCE). The remaining monitored VOCs are consistently non-detect, or as in the case of Total 1,2-Dichloroethene (1,2-DCE) detected at low estimated concentrations (refer to Table 4). For this reason, the concentration results (Table 4) discussion and concentration trend plot figures for VOCs (Figures 6a – 6e) will focus on the four (4) routinely detected analytes.

Maximum GWETS 1,1,1-TCA performance sampling result concentrations were as follows:

- Pre Air Stripper Influent Extraction Well (influent) results were 53.1 µg/L (ERT-1), 58 µg/L (MW-5R), and 98 µg/L (MW-7R)
- Combined Influent 92 µg/L
- Air Stripper Effluent (effluent) 7.2 µg/L

Maximum GWETS 1,1-DCA performance sampling result concentrations were as follows:

- Pre Air Stripper Influent Extraction Well (influent): 10 µg/L (ERT-1), 4.1 µg/L (MW-5R), and 38 µg/L (MW-7R)
- Combined Influent: 22 µg/L
- Air Stripper Effluent (effluent): 5.3 µg/L

Maximum GWETS 1,1-DCE performance sampling result concentrations were as follows:

- Pre Air Stripper Influent Extraction Well (influent): 18 µg/L (ERT-1), 19 µg/L (MW-5R), and 14 µg/L (MW-7R)
- Combined Influent: 20 µg/L
- Air Stripper Effluent (effluent): 1.4 µg/L

Maximum GWETS TCE performance sampling result concentrations were as follows:

- Pre Air Stripper Influent Extraction Well (influent): 5.3 µg/L (ERT-1), 4.4 µg/L (MW-5R), and 3.7 µg/L (MW-7R),
- Combined Influent: 4.8 µg/L
- Air Stripper Effluent (effluent): 0.72 µg/L

Detected VOC effluent concentrations were in compliance with the SPDES permit equivalent effluent limitations, however select VOC analytes exceeded their respective NYS Class GA standard, including:

- 1,1,1 TCA exceeded the NYS GA Standard of 5 µg/L in January, May, June and July of the reporting period
- 1,1-DCA exceeded the NYS GA Standard of 5 µg/L in May and July, 2024.

Since July 2024 and after air stripper maintenance on August 8, 2024, there have been no effluent exceedances of the NYS GA standards during monthly performance sampling during the 2024 reporting period.

2.4.2 1-4-Dioxane

Monthly GWETS performance samples are analyzed for 1,4-dioxane by Method 8270 SIM. In accordance with the Site SPDES permit equivalent, the collected monthly 1,4-dioxane GWETS performance sampling results are "monitor only" and there is no criteria threshold.

Maximum GWETS 1,4-dioxane performance sampling result concentrations were as follows:

- Pre Air Stripper Influent Extraction Well (influent): 6.41 µg/L (ERT-1), 4.31 µg/L (MW-5R), and 5.94 µg/L (MW-7R)
- Combined Influent: 6.58 µg/L
- Air Stripper Effluent (effluent): 7.31 µg/L

GWETS 1,4-dioxane performance sampling throughout the 2024 reporting period revealed cumulative influent and effluent results at similar concentration ranges demonstrating that the GWETS in its current configuration is not effective at treating 1,4-dioxane (refer to Figure 7).

2.4.3 Performance Parameters

Monthly GWETS Effluent Limitations and Monitoring Requirements also include the collection of performance samples analyzed for TDS by Method SM2540, TSS by Method SM2540, Total Iron by Method EPA 200.7, and pH by Method SM4500, as well as the observation of daily flow rates. In addition to 1,4-dioxane, TDS is a "monitor only" parameter while TSS, Total Iron and pH are monitored to stay within the SPDES permit requirements ranges of 0-20 mg/L, 0-540 µg/L, and 6.5-8.5 SU, respectively. The daily maximum limit for the GWETS flow rate is 72,000 gallons per day (gpd).

Monthly GWETS effluent performance samples did not exceed SPDES permit effluent limitation requirements and/or specified ranges for TSS or Total Iron, and pH. The daily GWETS flow rate is well below the permitted daily maximum limit of 72,000 gpd and typically averages 36,000 gpd when at the GWETS total influent target rate of 25 gpm.

2.4.4 Deviations From Performance Sampling Requirements

There were several months when certain extraction wells were not sampled due to being non-operational:

- On March 21, 2024, April 10, 2024, July 10, 2024 and August 8, 2024, MW-5R and ERT-1 were non-operational and MW-7R was the only extraction well in operation during monthly sampling event. Therefore, during these monthly sampling events, MW-7R was the only Influent extraction well sample collected and MW-7R also represented the Combined Influent Sample for those months.
- On May 9, 2024, MW-5R was not sampled due to it being non-operational during the monthly sampling.
- On June 12, 2024, ERT-1 was not sampled due to it being non-operational during monthly sampling.
- On August 8, 2024 not all VOC parameters were reported due to laboratory error although the analysis was correctly requested on the sample chain of custody (COC). Evaluation of received data was completed and determined that the 1,1,1-TCA influent and effluent

concentrations, 49 µg/L and 3.9 µg/L, respectively, and results were observed to be consistent with other performance sampling event during the reporting period.

- On December 11, 2024 VOCs for ERT-1 and MW-7R Influent samples were not reported due to headspace in the VOA vials. Evaluation of received data for the reported Combined Influent sample (comprised of ERT-1, MW-5R and MW-7R influent), and Effluent sample concentrations was completed and results were observed to be consistent with other performance sampling events during the reporting period.
- Benzene MDLs for the 2024 reporting period were 0.38 µg/L, slightly higher than the 0.2 µg/L permit requirement. Benzene concentrations during the 2024 reporting period in all collected Influent and Effluent samples were non-detect at the 0.38 µg/L MDL for benzene. The 0.2 µg/L MDL for Benzene has been corrected under the NYSDEC Pace laboratory contract, effective January 2025.

2.4.5 Concentration Trend Plots

Constituent trends for site parameters have been plotted for VOCs and 1,4-dioxane. These constituents have been routinely detected on site and constituent trends have been presented in previous Site administrative reporting.

Concentration trend plots have been compiled for influent and effluent of the four main Site CVOCs (refer to Figures 6a-e) including 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and TCE, for 1,4-dioxane (refer to Figure 7) combined influent vs. effluent, and for Total VOCs (refer to Figure 8) combined influent vs. effluent.

To the extent possible, trend plots have been prepared using the same vertical scale to illustrate the relative differences in concentration. In some cases, the vertical concentration range may be different for the individual trend plots as noted on the figures. The date range for all of the trend plots is January 10, 2024 (the first performance sampling event of 2024), through December 11, 2024 (final performance sampling event of 2024), and plots were generated based on the monthly performance data available for each well.

Monthly GWETS performance monitoring data collected during the reporting period have demonstrated an overall downward concentration trend for the COCs with increased concentrations observed after periods of extraction well downtime or during sampling events when one or more extraction well was down. Chemical trend plots for Total VOC constituents[6] are illustrated on Figures 6a through 6e using the ERT-1, MW-5R and MW-7R monthly GWETS performance sampling data throughout the duration of the 2024 reporting period. Generally, the primary site COPC, 1,1,1-TCA, is seen to exhibit the highest concentration trends.

Chemical trend plots for 1,4-dioxane are illustrated on Figure 7 using the combined influent and effluent monthly GWETS performance sampling data throughout the duration of the 2024 reporting period. The relatively stable concentration of 1,4-dioxane in both the GWETS influent and effluent illustrates that 1,4-doxane is not being treated by the GWETS in its current configuration.

Chemical trend plots for GWETS combined influent VOC concentrations and effluent VOC concentrations illustrated on Figure 8, demonstrates the effectiveness of treatment of site VOCs by the GWETS.

[6] Constituent Trend plots were generated for the primary Total VOC constituents, including 1,1,1-Trichloroethane (1,1,1-TCA), 1,1,-Dichlorethane (1,1-DCA), 1,1-Dichlorethene (1,1-DCE), and Trichloroethene (TCE) which comprise the majority of VOC concentrations.

3.0 SSDS OPERATION MAINTENANCE AND MONITORING

The Site includes a SSDS within the on-site commercial building that was installed in January and February 2007 and upgraded in June 2009 by the USEPA to depressurize the building's concrete slab and mitigate the potential for contaminated vapors to enter the building.

Procedures for operating and maintaining the SSDS are documented in the Operation and Maintenance Plan (Section 5.0 of the 2024 SMP, Mactec 2024). As-built drawings included as Appendix G, illustrate the SSDS locations and Appendix E includes the Operation and Maintenance SSDS System Checklist completed during the monthly SSDS inspections.

3.1 SSDS OPERATION

The SSDS installed at the Site is monitored and maintained by the designated NYSDEC representative. The SSDS is designed to run continuously and consists of seven sub-slab vent points designated as SS-1 through SS-7 (refer to Figure 3), installed beneath the concrete slab. Each sub-slab vent point is connected by 3-inch diameter PVC pipe to a RadonAway DynaVac HS Series blower (identified as Fan #1 through Fan #7) vertically mounted to the outside of the building (USEPA, 2009).

The SSDS system utility usage is managed by the property owner and therefore is not reported in this 2024 OMM Annual Report.

3.2 SSDS INSPECTIONS AND MAINTENANCE

Monitoring consists of a monthly visual inspection of the exterior blowers/fans and piping to confirm they are intact and operating, as well as collection of vacuum measurements, collected from the exterior/vacuum port to verify vacuum[7]. Blowers deemed non-functioning are replaced. Additionally, the SSDS components and general interior building conditions are reviewed on an annual basis. Because the SSDS consists of enclosed blowers that do not require an operator, it does

[7] The monthly collection of SSDS vacuum measurements from the exterior vacuum ports was initiated during the February 2024 monthly site visit.

not have a stand-alone Operation and Maintenance Manual.

3.2.1 Annual 2024 SSDS Inspection

As reported in the Site DIRs, monthly SSDS inspections were completed during the monthly OMM site visits and the annual SSDS inspection was completed on October 9, 2024. The Annual SSDS Inspection included the following:

- Interior building concrete slab inspection for the presence of new/unsealed cracks.
- System components (PVC pipes, floor seal, fan, couplings) inspection.
- Inspection of fan exhaust to verify location of at least 12 inches above the highest eave with no new windows or other openings within 10 feet of the exhaust.

During the October 9, 2024 SSDS inspection, all 7 fans were found to be running and all pipes, seals and couplings were found to be in good condition. The fan exhausts were verified to be 12 inches above the eaves and no new windows or openings were observed. The inspection of the interior building was limited due to tenant clutter throughout much of the building.

A search was conducted to find the 24 permanent vacuum points that were installed in the slab, however, because of the clutter only 8 of the 24 points were located. One of the points, SGP-11, was found to be damaged. A photolog from the 2024 SSDS inspection can be found in Appendix G.

3.2.2 SSDS Maintenance

As stated above, the SSDSs are installed with an exterior vacuum port to gauge the vacuum created by the fan. If, upon inspection, there is no vacuum or insufficient vacuum, then applicable maintenance and repairs are conducted, including checking the electrical system, checking the fan operation, and checking the piping components.

Non routine maintenance is conducted in the event the system or system components are broken or damaged. If any of the individual SSDS fans are found to be non-functioning, the issue is evaluated and manual restart attempted with the collection of vacuum measurements from the exterior vacuum

port, as applicable. If the fan is determined to be inoperable and unable to be restarted, the fan is replaced by the installer without removing the rest of the system. NYSDEC and NYSDOH are notified within 24 hours if the SSDS is found to be non-functioning. The notice includes a schedule for repair and anticipated actions.

SSDS maintenance performed in 2024 included:

- On September 10, 2024, the SSDS #7 fan was replaced, and the unit was returned to an operational condition.
- On October 9, 2024, the power to SSDS #1 was fixed and the unit was returned to an operational condition.
-

4.0 CONCLUSIONS AND RECOMMENDATIONS

The 2024 Annual Operation Monitoring and Maintenance report presents information collected during the reporting period of January 1 through December 31, 2024 for the evaluation of the GWETS and SSDS performance.

4.1 CONCLUSIONS

- The GWETS performance monitoring data collected during the 2024 reporting period indicate that effluent performance sampling is in compliance with the Mohonk Site NYSDEC SPDES Permit Equivalent Effluent Limitations & Monitoring Requirements with exception of achieving an MDL of 0.38 ug/l, slightly higher than the permit required MDL of 0.2 ug/l. This issue has since been resolved and performance sampling of benzene now meets the required 0.2 ug/l MDL value.
- The GWETS continues to operate as designed.
- The SSDS continues to operate as designed, however, requires additional evaluation of the sub-slab vacuum pressure influence.

4.2 RECOMMENDATIONS

- The current NYSDEC SPDES Permit Equivalent: Mohonk Road Industrial Plant, DER Site ID# 3-56-023 expires on February 8, 2026. As the operation of the GWETS is anticipated to be ongoing, the permit requires renewal.
- Additional SSDS evaluations are proposed for the 2025 OMM reporting period for the continued evaluation of the sub-slab vacuum pressure influence to include, but not limited to:
    - Desktop review of existing USEPA SSDS information to determine historic vacuum readings at SSDS commissioning.
    - Inspection of interior building flooring for cracks, joints, and other observations of structural issues.

- Coordination with property owner and building tenants for the location of existing sub-slab vapor points and/or installation of new accessible sub-slab vapor point locations.
- Completion of Annual Vapor Pressure Monitoring.

5.0 REFERENCES

MACTEC, 2016. Remedial System Optimization (RSO) Report – Mohonk Road Industrial Plant Site, Site Number 356023. June 2016.

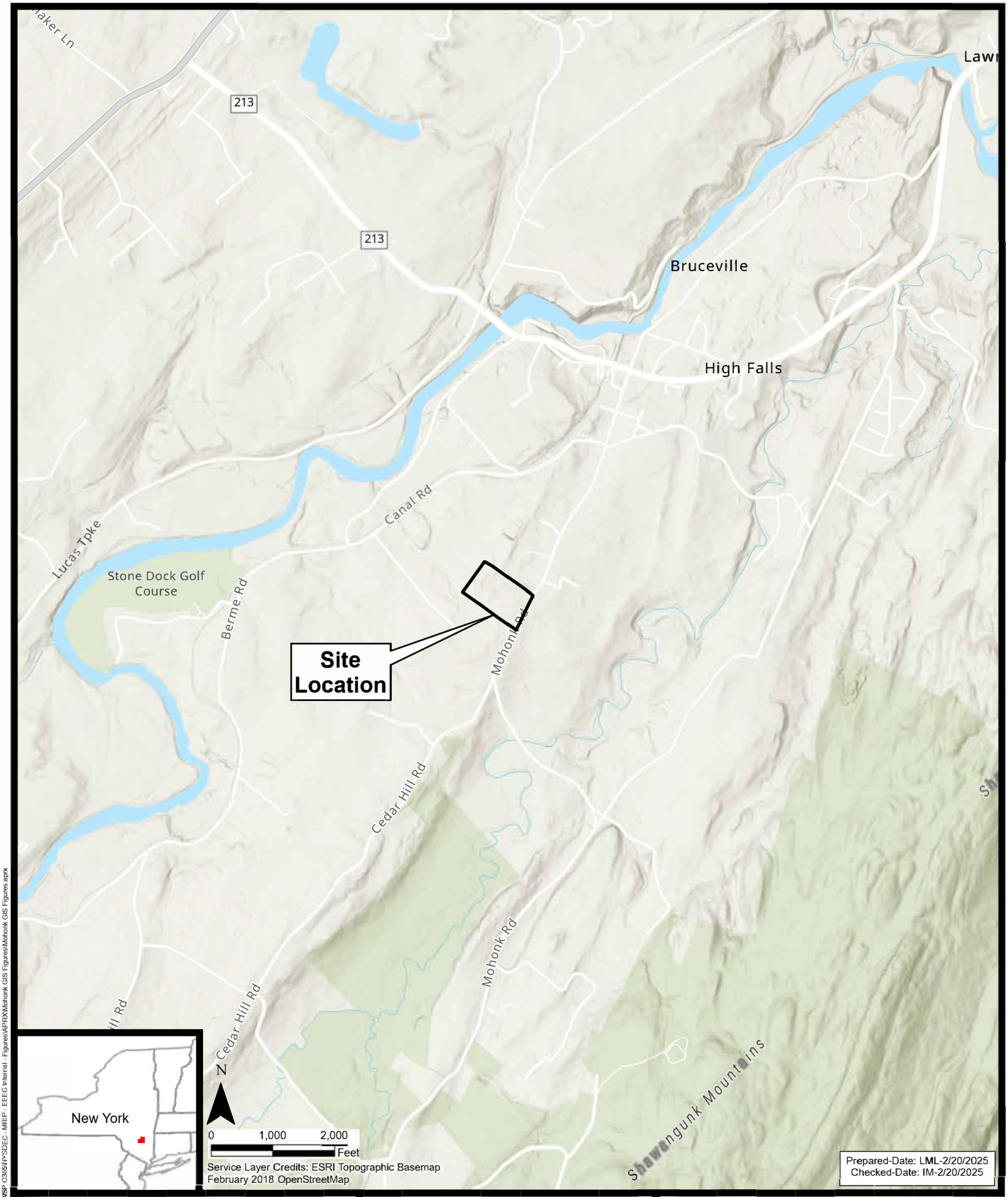
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Aztech Environmental, 2018. Third and Fourth Quarter, 2017 O&M Status Report - Mohonk Road Industrial Site, Site Number 356023. April 2018.

EEEG, 2025. 15-Month Remedial System Optimization (RSO) Pilot Test Report – Mohonk Road Industrial Plant, Site No. 356023. May 2025.

USEPA, 2009. Trip Report. Commercial Sub Slab Depressurization System Installation, 186 Mohonk Road, High Falls, NY 12440. September 3, 2009.

FIGURES



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NYSDEC Site # 356023
Mohonk Road Industrial Plant
Marbletown, New York

EARTH ENVIRONMENT
Engineering and Geology P.C.

Site Location Map

Project US-EI-7772210116 Figure 1

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MW-19
(Not Located)

MW-20

MW-8B

MW-14B

MW-10B

MW-9B

MW-18 (Artesian)

MW-17

MW-16

MW-12B

MW-15B

MW-13B

MW-21 (Artesian)

ERT-1

ERT-2

ERT-3

MW-7R

MW-7B

MW-11B

MW-11C

MW-5R

MW-5B

MW-6B

ERT-4

MW-4

MW-1B

High Falls

Topographic map: World Topographic Map: Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

Legend

- Standard Monitoring Well
- FLUTe monitoring Well
- Extraction Well
- High Falls Water District

0 350 700 Feet

N

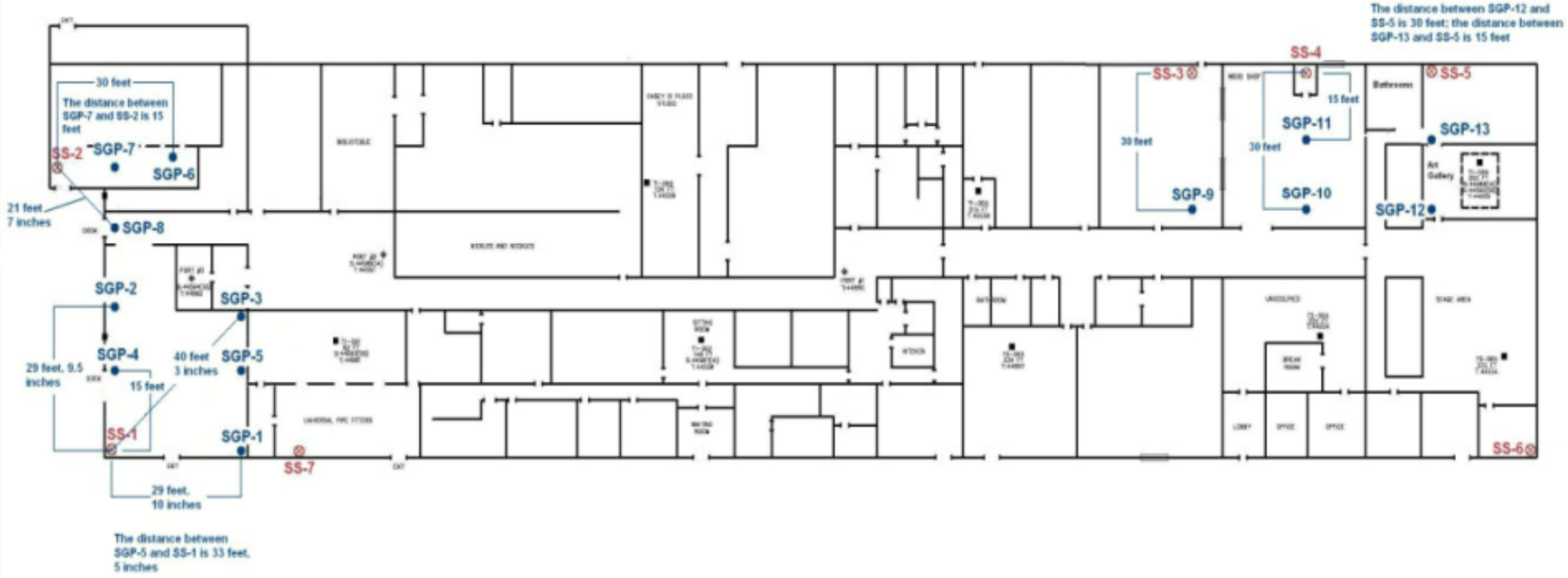
NYSDEC Site # 356023
Mohonk Road Industrial Plant
Marbletown, New York

EARTH ENVIRONMENT
Engineering and Geology P.C.

Site Monitoring Well Network

Project US-EI-7772210116 Figure 2

Prepared-Date: LML-4/16/2025
Checked-Date: IM-4/16/2025



LEGEND:

- Soil Gas Port (Installed August 2009)
- Sub-Slab
- Existing Soil Gas Ports

DRAWING STATUS	DRAFT		FINAL	X
PROPOSAL NO. :	JJ-64-060024			
PROJECT MANAGER:	John Lee			
SCALE:	NOT TO SCALE			
REVISION NO.:	0	REV DATE:		
CADD ID:	060024A001	PLOT DATE:	02/13/07	
DRN BY:	A.R.W.	DRN DATE:	02/13/07	
CHK BY:	T.W.	CHK DATE:	02/13/07	
APPVD BY:	T.W.	APPVD DATE:	02/13/07	
UPDATED BY:	RD	UPDATE DATE:	8/28/2009	

WRS COMPASS
221 NORTH STREET, SUITE 105, TAMPA, FLORIDA 33619
PH: (813) 684-4400 FAX: (813) 684-9777

Mohonk Road Industrial Plant
Sub Slab and Soil Gas Ports Location Map
With Distances
186 Mohonk Road
High Falls, New York 12440

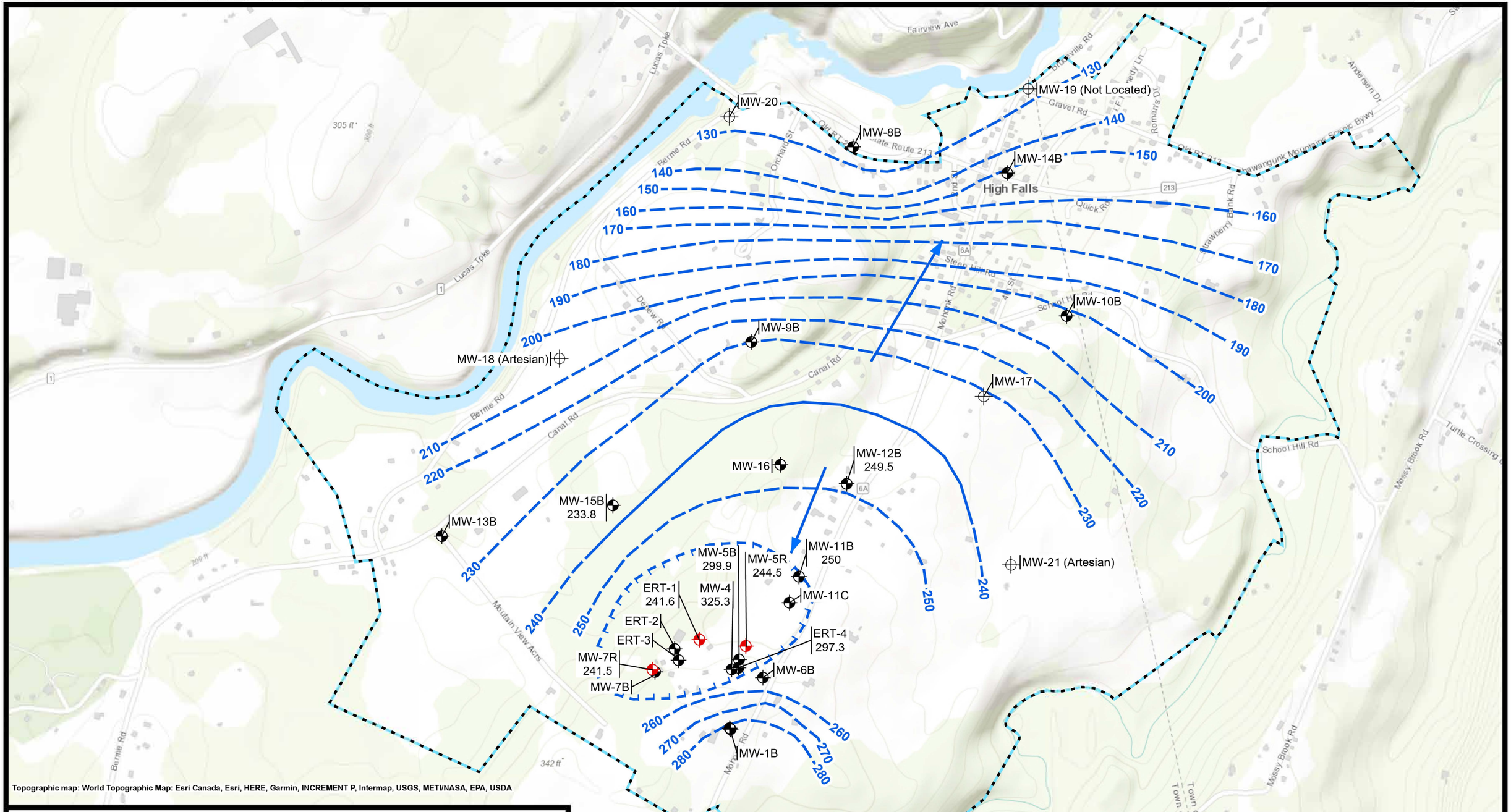
NYSDEC Site # 356023
Mohonk Road Industrial Plant
Marbletown, New York

EARTH ENVIRONMENT
Engineering and Geology P.C.

2007-2009 Commercial Building SSDS Layout

Project US-EI-7772210116 Figure 3

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Legend

- Standard Monitoring Well
- Extraction Well
- FLUTe monitoring Well
- Groundwater Elevation Contour (feet above msl)
- Dashed Where Inferred
- Groundwater Contour - Depression
- Groundwater Flow Direction
- High Falls Water District

0 350 700 Feet

N

Prepared-Date: LML-4/16/2025
Checked-Date: IM-4/16/2025

NYSDEC Site # 356023
Mohonk Road Industrial Plant
Marbletown, New York

EARTH ENVIRONMENT
Engineering and Geology P.C.

Groundwater Elevation Contours
February 2024
Project US-EI-7772210116 Figure 4

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MW-19 (Not Located)

MW-20

MW-8B
128.4

MW-14B
150.3

MW-10B
197.3

MW-9B
229.9

MW-18 (Artesian)

MW-17
234.77

MW-16
244.8

MW-15B
234.1

MW-12B
246.5

MW-13B

MW-11B
246.8

MW-11C
247.6

MW-21 (Artesian)
233.59

ERT-1
244.4

ERT-2
243.6

ERT-3
243.6

MW-7R
235.3

MW-7B
235

MW-4

MW-5R
243.6

MW-5B

ERT-4

MW-6B
247

MW-1B
281

Topographic map: World Topographic Map (with Contours and Hillshade): Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, CNES/Airbus DS, InterMap, NASA/METI, NASA/NGS and the GIS User Community

Legend

- Standard Monitoring Well
- Extraction Well
- FLUTe monitoring Well
- Groundwater Elevation Contour (feet above msl)
- Dashed Where Inferred
- Groundwater Flow Direction
- High Falls Water District

0 350 700 Feet

N

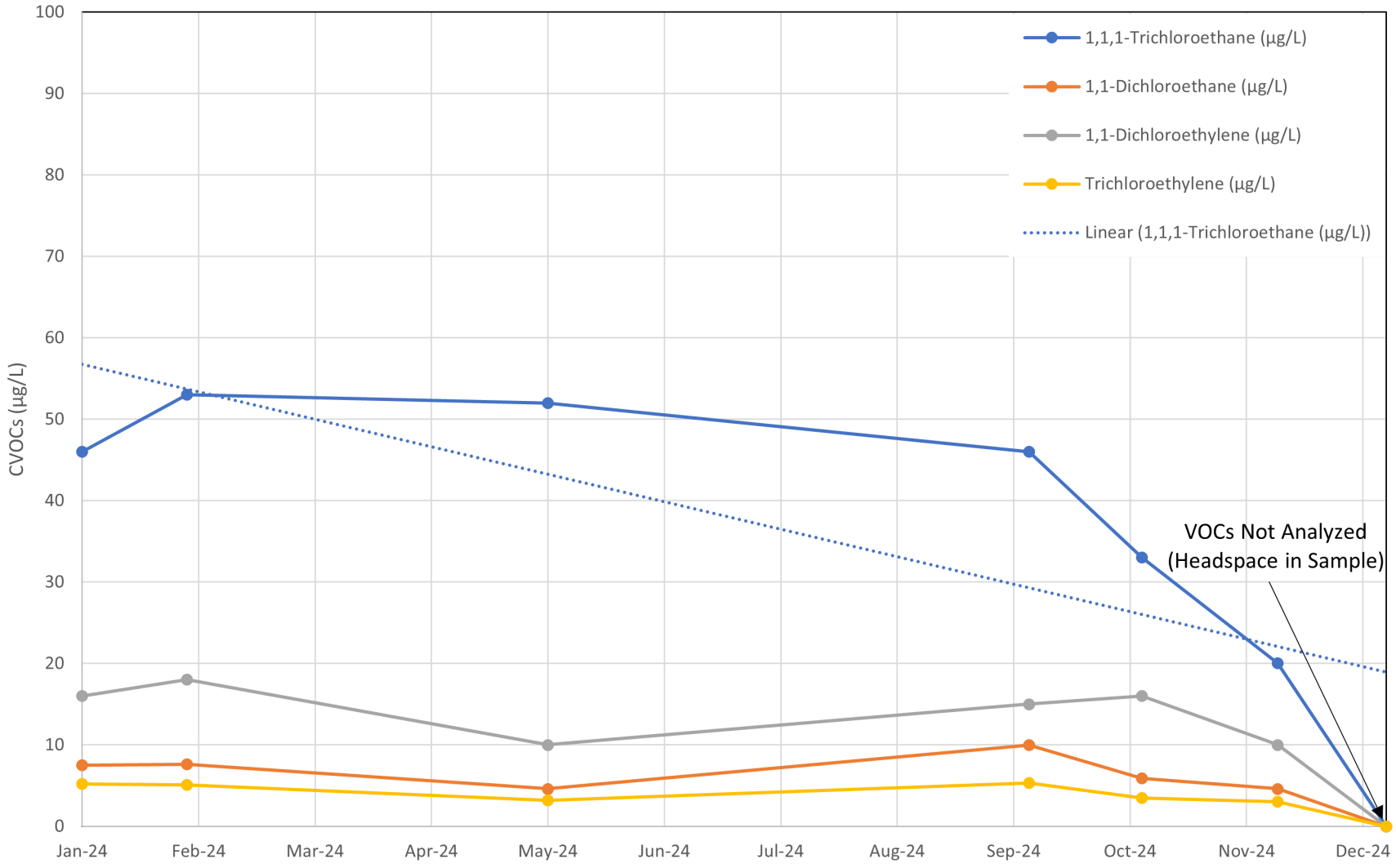
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NYSDEC Site # 356023
Mohonk Road Industrial Plant
Marbletown, New York

EARTH ENVIRONMENT
Engineering and Geology P.C.

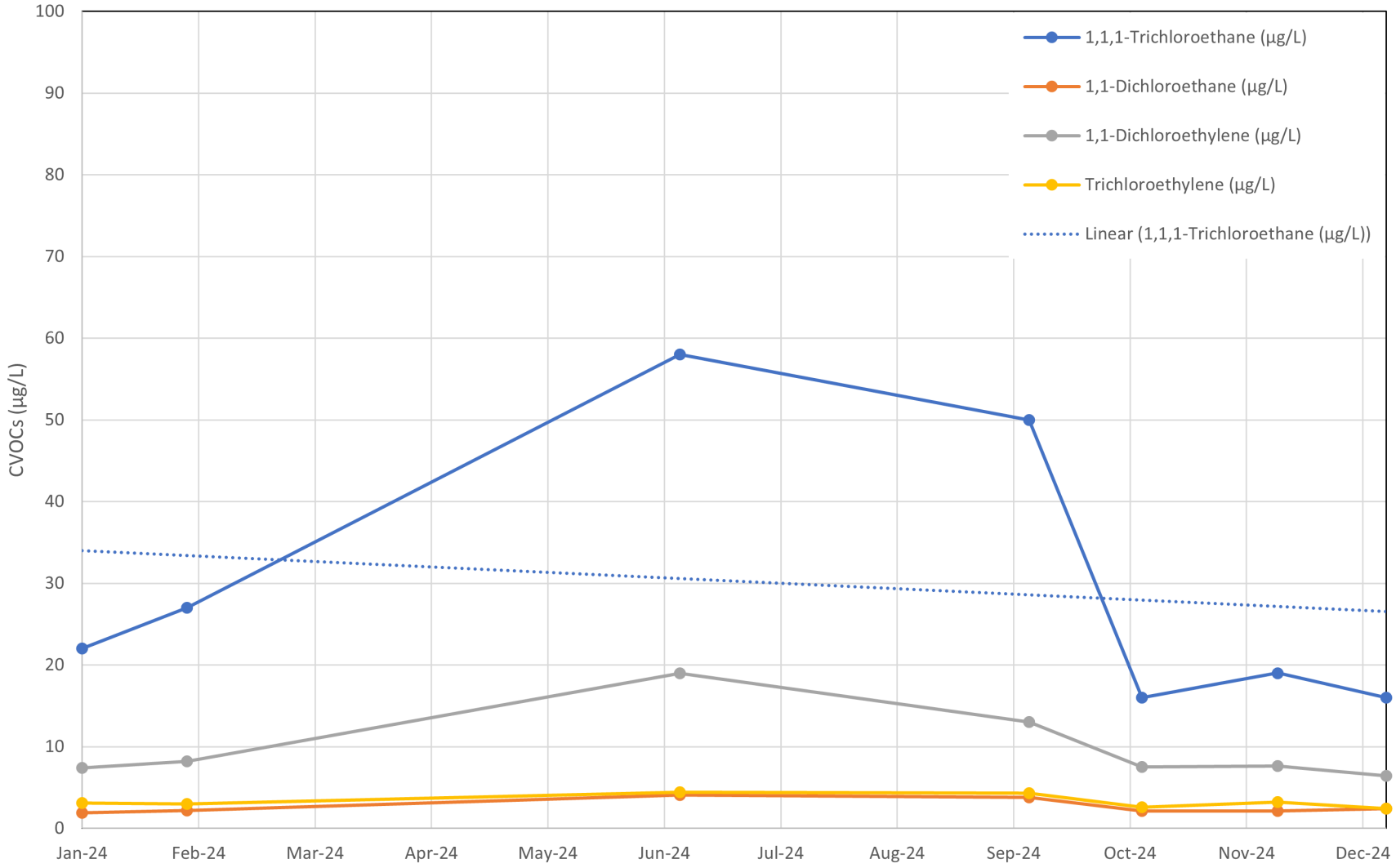
Groundwater Elevation Contours
August 2024
Project US-EI-77722101116 Figure 5

ERT-1



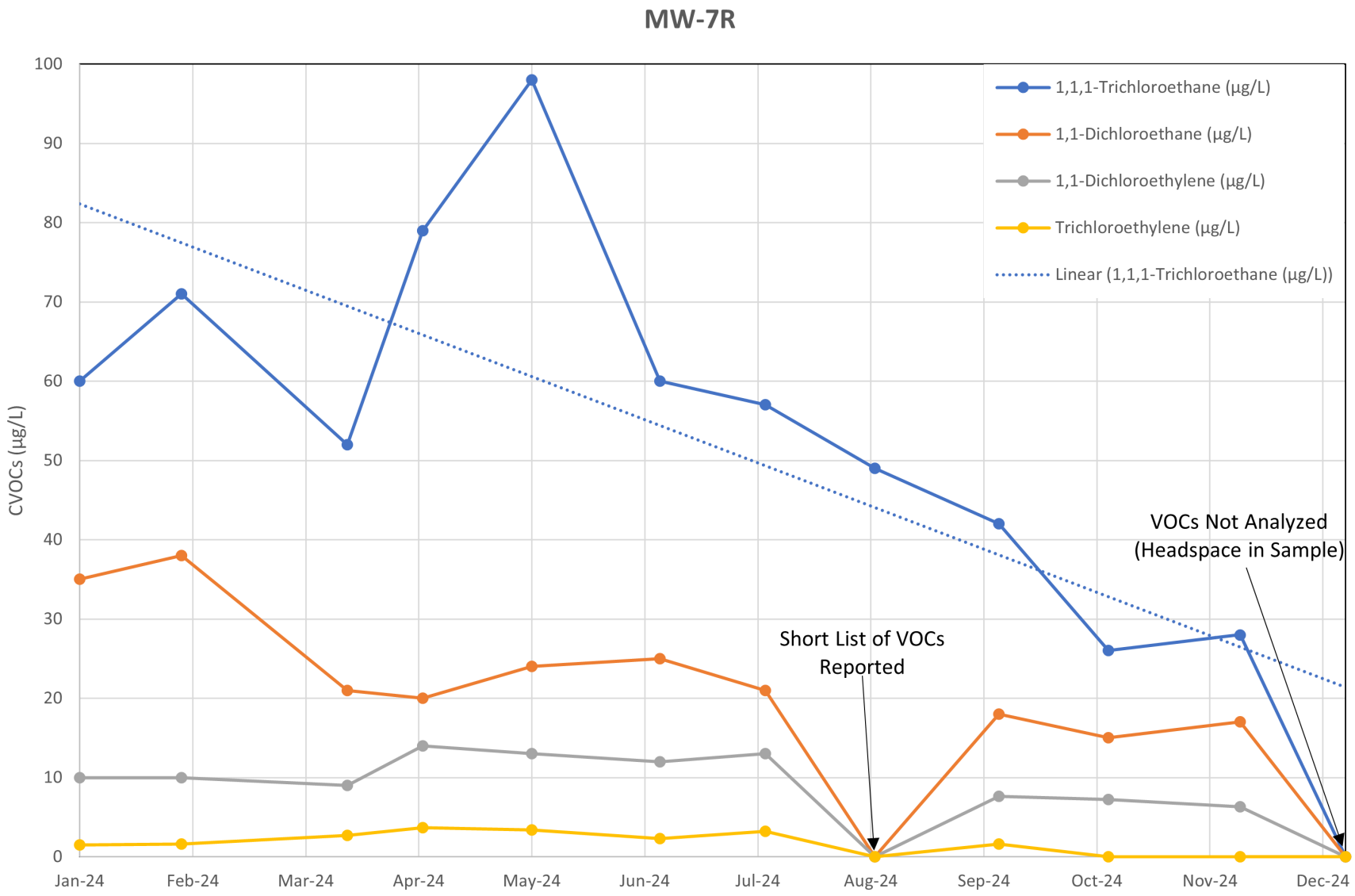
System Performance Data Used for All Data Points.

NYSDEC Site # 356023 Mohonk Road Industrial Plant Marbletown, New York	EARTH ENVIRONMENT Engineering and Geology P.C.	GWETS VOC Concentration Trends ERT-1 Project US-EI-7772210116 Figure 6a



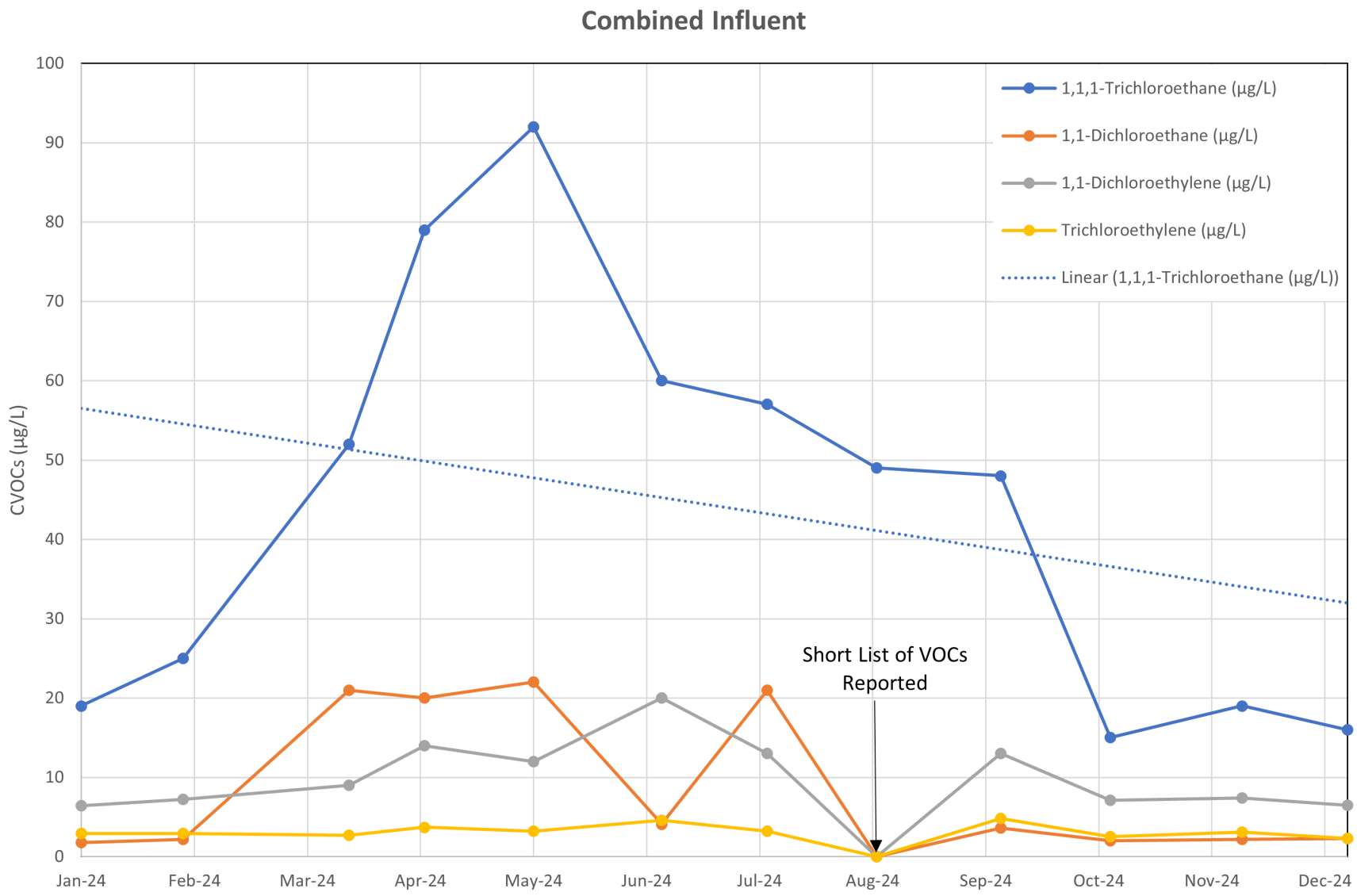
System Performance Data Used for All Data Points.

NYSDEC Site # 356023 Mohonk Road Industrial Plant Marbletown, New York	EARTH ENVIRONMENT Engineering and Geology P.C.	GWETS VOC Concentration Trends MW-5R Project US-EI-7772210116 Figure 6b



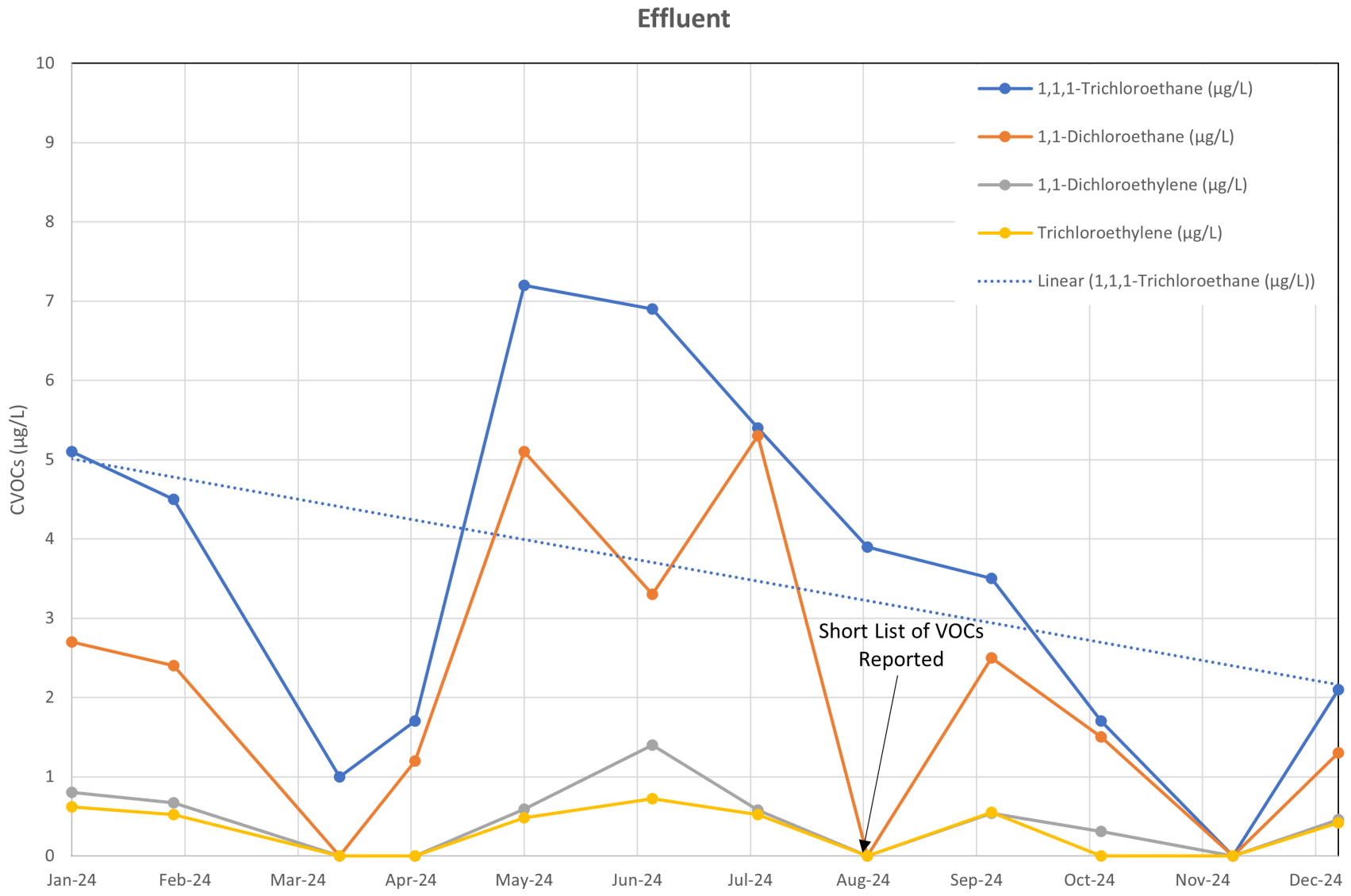
System Performance Data Used for All Data Points.

NYSDEC Site # 356023 Mohonk Road Industrial Plant Marbletown, New York	EARTH ENVIRONMENT Engineering and Geology P.C.	GWETS VOC Concentration Trends MW-7R Project US-EI-7772210116 Figure 6c



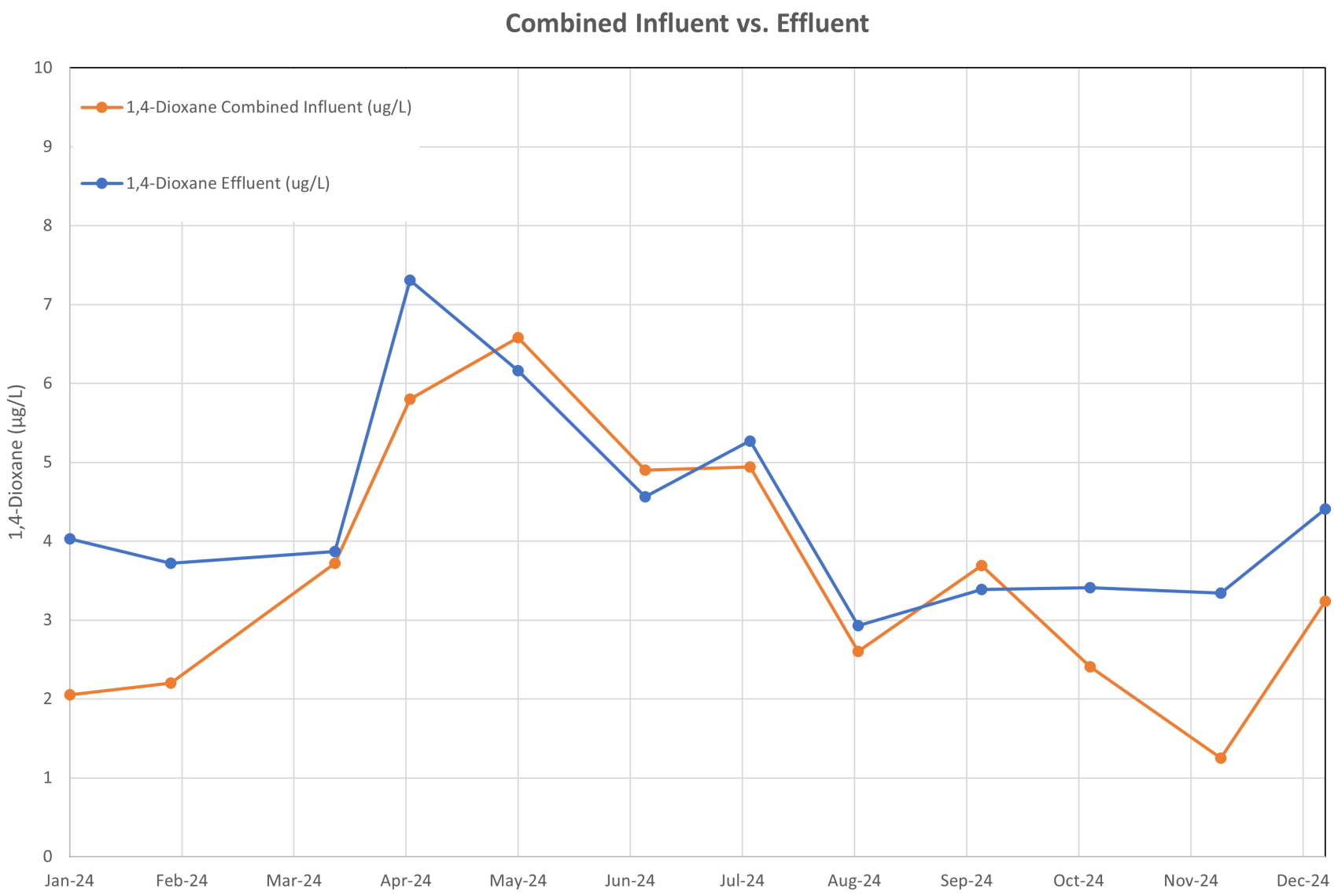
System Performance Data Used for All Data Points.

NYSDEC Site # 356023 Mohonk Road Industrial Plant Marbletown, New York	EARTH ENVIRONMENT Engineering and Geology P.C.	GWETS VOC Concentration Trends Combined Influent Project US-EI-7772210116 Figure 6d



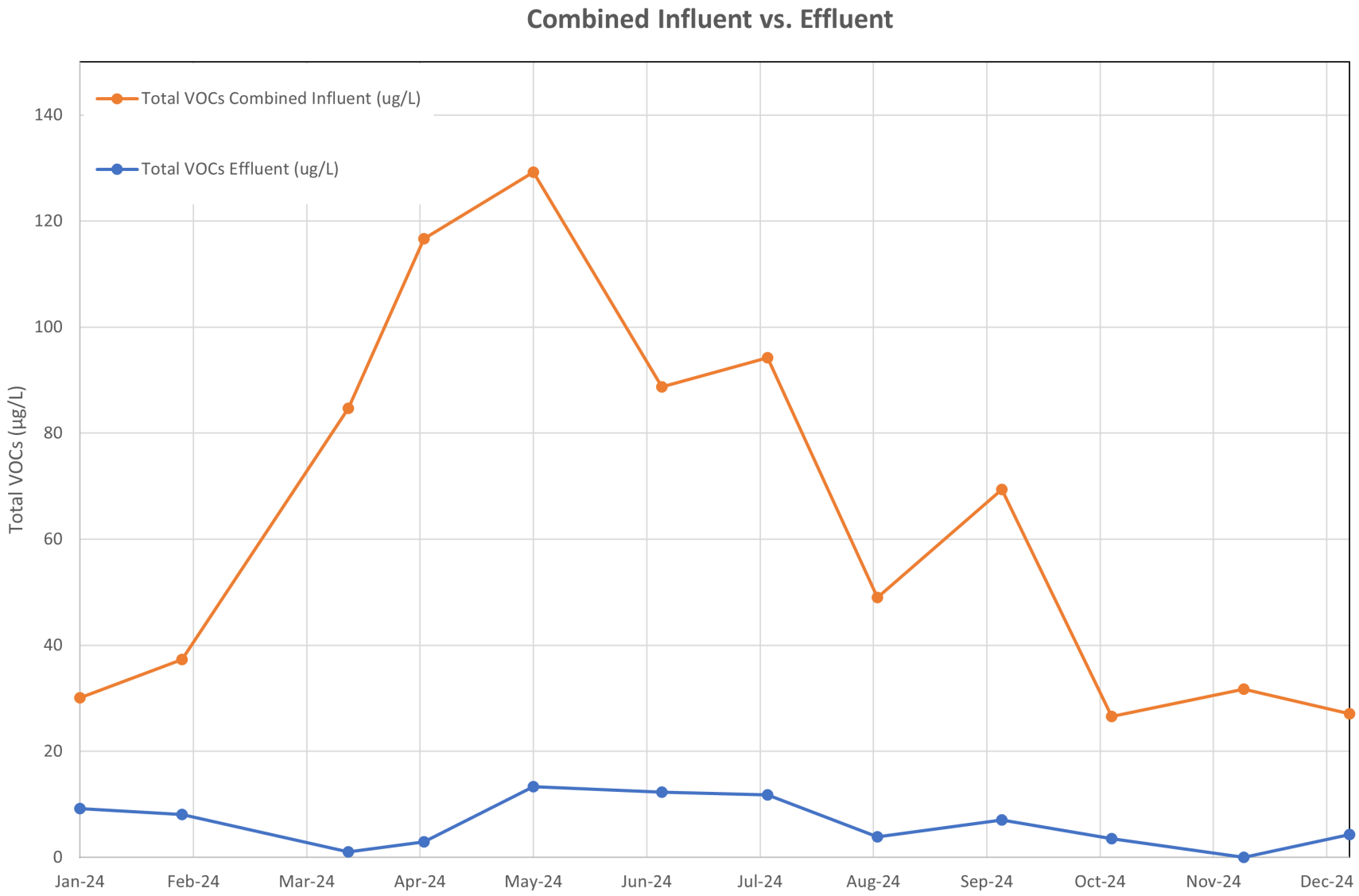
System Performance Data Used for All Data Points.

NYSDEC Site # 356023 Mohonk Road Industrial Plant Marbletown, New York	EARTH ENVIRONMENT Engineering and Geology P.C.	GWETS VOC Concentration Trends Effluent Project US-EI-7772210116 Figure 6e



System Performance Data Used for All Data Points.

NYSDEC Site # 356023 Mohonk Road Industrial Plant Marbletown, New York	EARTH ENVIRONMENT Engineering and Geology P.C.	GWETS 1,4-Dioxane Concentration Trends Combined Influent vs. Effluent Project US-EI-7772210116 Figure 7



System Performance Data Used for All Data Points.

NYSDEC Site # 356023 Mohonk Road Industrial Plant Marbletown, New York	EARTH ENVIRONMENT Engineering and Geology P.C.	GWETS Total VOC Concentration Trends Combined Influent vs. Effluent Project US-EI-7772210116 Figure 8

TABLES

Table 1 - Site Management Requirements

Component	Action	Monitoring Schedule	Comments/Recommendations
Groundwater Extraction and Treatment System			
GWETS Operation Checklist	Inspection	Each O&M visit	Check groundwater treatment system operation: flow rates, meter readings, system components, Redux volume.
Extraction Wells	Inspection	Each O&M visit	Check extraction wells, housing, control panels.
Control Panel, Heaters	Inspection	Each O&M visit	Check function of control panel indicating lights.
Safety Equipment, Treatment Plant Lighting	Inspection	Monthly	Inspect safety equipment (ladders, eyewash, fire extinguishers, etc.). Inspect plant lighting for proper operation.
Site Security	Inspection	Monthly	Check treatment building door locks, fencing, and site perimeter fence for defects.
Air Stripper	Inspection/ Maintenance	Annually	Perform cleaning of air stripper unit trays and sump, if necessary.
Treatment Plant Heaters	Inspection/ Maintenance	Annually	Annual inspection and cleaning of heaters; to be performed by a licensed subcontractor.
Groundwater Monitoring System	Inspection	15-Month	Visually inspect well pads/locks at site wells; repair as necessary to maintain integrity and security.
Sub Slab Depressurization System			
SSDS	Inspection	Each O&M visit	Check operation of 7 fans
SSDS	Inspection	Each O&M visit	Check General Piping
System Performance Monitoring			
Influent Header	Plant influent water sampling	Monthly	Grab samples collected from each active extraction wells to monitor and evaluate GWETS performance.
Treatment Plant Discharge	Plant effluent water sampling	Monthly	Grab influent and effluent samples collected to monitor and evaluate GWETS performance.
Environmental Monitoring			
Groundwater Elevation Monitoring	Groundwater elevation measurements	15-Month	Collect groundwater elevation measurements for active extraction wells and select monitoring wells to monitor hydraulic control of the plume near the site.
Environmental Groundwater Sampling	Groundwater sampling of monitoring wells	15-Month sampling interval	Grab/low flow samples collected from monitoring wells, active bedrock and overburden extraction wells.

Notes:
GWETS = Groundwater extraction and treatment system
O&M = Operation and maintenance
SSDS = Sub-Slab Depressurization System

Prepared by: IEM
Checked by: NMB
Date: 5/21/2025

Table 2 - GWETS Performance Sampling Requirements

Well ID/Sampling Location	Water Level Measurements	VOCs	Sample Description	Schedule
GWETS Performance Sampling				
MW-5R	NA	VOCs, TDS, TSS, Iron, pH, 1,4 Dioxane	Grab	Monthly
MW-7R	NA	VOCs, TDS, TSS, Iron, pH, 1,4 Dioxane	Grab	Monthly
ERT-1	NA	VOCs, TDS, TSS, Iron, pH, 1,4 Dioxane	Grab	Monthly
Pre Air Stripper Combined Influent	NA	VOCs, TDS, TSS, Iron, pH, 1,4 Dioxane	Grab	Monthly
Air Stripper Effluent	NA	VOCs, TDS, TSS, Iron, pH, 1,4 Dioxane	Grab	Monthly

Notes:

1,4-Dioxane by Method 8270E SIM

Volatile Organic Compounds by Method 624

GWETS = Groundwater extraction and treatment system
NA = Not applicable
TDS = Total dissolved solids
TSS = Total suspended solids
VOCs = Volatile organic compounds

Prepared by: IEM
Checked by: NMB
Date: 5/21/2025

Table 3 - GWETS Data Logs –2024 Annual OMM Reporting Period

Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
1/1/2024	-67.64	-74.21	-61.13	8.7	7.1	12.3	28.1	4673903	3855400	5921492			
1/2/2024	-67.58	-74.21	-61.29	8.6	7.1	12.2	27.9	4686361	3865634	5939157			
1/3/2024	-68.59	-75.40	-62.12	9.9	7.7	12.7	30.3	4699686	3876320	5957151			
1/4/2024	-69.29	-75.59	-62.79	9.8	7.7	12.7	30.2	4713909	3887399	5975472			
1/5/2024	-70.08	-76.18	-63.15	9.8	7.6	12.7	30.1	4728061	3898390	5993748			
1/6/2024	-70.45	-76.55	-63.62	9.7	7.5	12.6	29.8	4742137	3909270	6011970			
1/7/2024	-70.30	-76.55	-63.52	9.8	7.5	12.6	29.9	4756186	3920072	6030170			
1/8/2024	-71.24	-77.46	-64.66	9.7	7.4	12.6	29.7	4770200	3930820	6048361			
1/9/2024	-71.86	-77.69	-65.07	9.6	7.3	12.6	29.5	4784130	3941442	6066532			
1/10/2024	-71.03	-77.37	-64.61	9.7	7.4	12.6	29.7	4798075	3952042	6084706			
1/11/2024	-70.24	-32.87	-62.84	9.9	0.0	12.8	22.7	4812172	3956684	6103013	Lose level transducer at MW-7R; down from approximately 1830 on 1/10/24 to 0830 on 1/11/2024		
1/12/2024	-70.08	-116.75	-63.47	9.8	7.1	12.8	29.7	4826229	3964792	6121267			
1/13/2024	-62.42	-114.00	-52.36	0.0	0.0	0.0	0.0	4835716	3971608	6133609	System Shutdown - Transfer Tank VFD - Aproximately 12 hours (2230 1/12/24-1030 1/13/24)		
1/14/2024	-67.18	-116.57	-60.56	10.0	7.3	13.0	30.3	4848006	3980621	6149466			
1/15/2024	-67.52	-111.25	-60.92	10.0	7.1	12.8	29.9	4861940	3990651	6167424			
1/16/2024	-67.86	-110.20	-60.92	10.0	7.1	12.8	29.9	4876320	4000844	6185926			
1/17/2024	-67.86	-114.92	-61.34	10.0	7.0	12.8	29.8	4890677	4011013	6204411			
1/18/2024	-68.38	-108.09	-61.39	9.9	7.0	12.8	29.7	4904988	4021114	6222873			
1/19/2024	-68.59	-112.26	-61.75	9.9	7.0	12.8	29.7	4919266	4031117	6241312			
1/20/2024	-68.83	-109.79	-62.17	9.8	6.9	12.8	29.5	4933524	4041115	6259753			
1/21/2024	-69.41	-68.08	-62.43	9.8	6.8	12.7	29.3	4947722	4051038	6278146			
1/22/2024	-69.87	-105.67	-62.95	9.8	6.8	12.7	29.3	4961860	4060850	6296493			
1/23/2024	-70.15	-78.33	-63.21	9.8	6.8	12.8	29.4	4975981	4070627	6314868			
1/24/2024	-70.51	-71.60	-63.52	9.8	6.8	12.7	29.3	4990062	4080342	6333241			
1/25/2024	-70.33	-76.78	-63.57	9.8	6.7	12.8	29.3	5004134	4090036	63516002			
1/26/2024	-69.84	-42.66	-63.05	9.8	6.8	12.8	29.4	5018279	4099726	6369994			
1/27/2024	-69.47	-73.07	-62.95	9.9	6.8	12.8	29.5	5032470	4109447	6388424			
1/28/2024	-68.99	-55.21	-62.38	9.9	6.8	12.8	29.5	5046693	4119218	6406895			
1/29/2024	-68.47	-20.18	-61.96	9.9	6.9	12.8	29.6	5060965	4129050	6425399			
1/30/2024	-68.53	-68.72	-62.01	9.9	6.9	12.8	29.6	5075247	4138917	6443874			
1/31/2024	-68.44	-62.67	-61.86	9.9	6.9	12.8	29.6	5089547	4148808	6462361			

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Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
2/1/2024	-68.19	78.52	61.70	9.9	6.9	12.9	29.7	5103862	4158742	6480872	MW-7R without level transducer		
2/2/2024	-68.19	-66.52	-61.65	10.0	6.9	12.9	29.8	5118190	4168652	6499458			
2/3/2024	-68.44	-58.46	-61.96	9.9	6.9	12.9	29.7	5132502	4178557	6518019			
2/4/2024	-68.47	-44.08	-62.12	9.9	6.9	12.8	29.6	5146801	4188451	6536536			
2/5/2024	-68.77	-68.99	-61.96	9.9	6.9	12.8	29.6	5161083	4198339	6555042			
2/6/2024	-69.11	-72.84	-62.38	9.9	6.8	12.8	29.5	5175340	4208150	6573554	MW-7R level transducer repaired		
2/7/2024	-69.29	-73.48	-61.91	9.9	6.5	12.6	29.0	5189383	4217505	6591614			
2/8/2024	-69.44	-73.62	-62.53	9.9	6.5	12.6	29.0	5203585	4226852	6609821			
2/9/2024	-69.69	-73.62	-62.64	9.9	6.4	12.7	29.0	5217812	4236138	6628245			
2/10/2024	-69.90	-73.75	-62.69	9.9	6.4	12.7	29.0	5232048	4245365	6646304			
2/11/2024	-70.02	-74.21	-62.95	9.8	6.4	12.7	28.9	5246275	4254616	6664564			
2/12/2024	-70.39	-74.21	-63.31	9.8	6.4	12.6	28.8	5260446	4263804	6682766			
2/13/2024	-70.44	-74.44	-63.57	9.8	6.4	12.6	28.8	5274574	4272875	6700901			
2/14/2024	-71.15	-75.04	-64.04	9.7	6.2	12.6	28.5	5288660	4281890	6719018			
2/15/2024	-71.52	-75.31	-64.35	9.7	6.1	12.5	28.3	5302677	4290797	6737091			
2/16/2024	-71.73	-75.59	-64.76	9.7	6.1	12.5	28.3	5316681	4299678	6755163			
2/17/2024	-72.56	-78.56	-65.91	9.8	7.8	12.8	30.4	5330825	4310796	6773639	ERT-1 down at 1851		
2/18/2024	-70.73	-76.09	-58.48	10.0	8.0	0.0	18.0	5345059	4322188	6783008			
2/19/2024	-69.32	-74.99	-56.77	10.2	8.2	0.0	18.4	5359660	4333891	6783008			
2/20/2024	-68.59	-74.30	-56.10	10.3	8.3	0.0	18.6	5374379	4345701	6783008			
2/21/2024	-67.89	-73.57	-55.37	10.3	8.5	0.0	18.8	5389183	4357668	6783008			
2/22/2024	-67.22	-72.61	-54.70	10.4	8.5	0.0	18.9	5404070	4369852	6783008			
2/23/2024	-66.44	-72.20	-54.07	10.4	8.5	0.0	18.9	5419051	4382084	6783008			
2/24/2024	-66.42	-71.92	-53.81	10.4	8.6	0.0	19.0	5434083	4394397	6783008			
2/25/2024	-66.48	-72.11	-53.87	10.4	8.5	0.0	18.9	5449097	4406735	6783008			
2/26/2024	-66.09	-72.79	-53.61	10.4	8.6	0.0	19.0	5464116	4419088	6783008			
2/27/2024	-66.06	-71.74	-53.50	10.4	8.7	0.0	19.1	5479193	4431519	6783008			
2/28/2024	-65.66	-71.42	-53.24	10.5	8.7	0.0	19.2	5494305	4443976	6783008			
2/29/2024	-65.41	-71.46	-53.09	10.5	8.7	0.0	19.2	5509471	4456497	6783008	Flow rates increased at MW-5R and MW-7R		

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Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
3/1/2024	-69.08	-78.33	-55.71	15.8	13.1	0.0	28.9	5531111	4474510	6783008	ERT-1 Down (2/17/2024 at 1851)		
3/2/2024	-70.02	-79.25	-56.67	15.8	12.8	0.0	28.6	5553754	4493088	6783008	-		
3/3/2024	-70.21	-79.48	-56.98	15.7	12.8	0.0	28.5	5576450	4511490	6783008	-		
3/4/2024	-70.36	-79.75	-57.19	15.8	12.7	0.0	28.5	5599152	4529866	6783008	-		
3/5/2024	-70.30	-79.66	-57.08	15.7	12.6	0.0	28.3	5621833	4548117	6783008	-		
3/6/2024	-69.99	-79.48	-56.93	15.8	12.7	0.0	28.5	5644500	4566351	6783008	-		
3/7/2024	-69.60	-79.11	-56.62	15.8	12.7	0.0	28.5	5667195	4584614	6783008	-		
3/8/2024	-69.41	-79.20	-56.88	15.8	12.7	0.0	28.5	5689910	4602944	6783008	-		
3/9/2024	-69.11	-78.56	-56.05	15.8	12.6	0.0	28.4	5712645	4621207	6783008	-		
3/10/2024	-68.19	-77.92	-55.47	15.8	12.8	0.0	28.6	5735408	4639488	6783008	-		
3/11/2024	-68.13	-77.92	-55.11	15.8	12.9	0.0	28.7	5758209	4658003	6783008	-		
3/12/2024	-68.01	-77.33	-54.90	15.8	12.7	0.0	28.5	5780995	4676241	6783008	-		
3/13/2024	-68.07	-77.51	-54.96	15.8	12.8	0.0	28.6	5803796	4694623	6783008	-		
3/14/2024	-62.58	-76.78	-53.35	0.0	12.8	0.0	12.8	5822750	4713036	6783008	MW-5R down at 0228, N2 begins slowly losing pressure		
3/15/2024	-58.24	-73.89	-49.71	0.0	13.0	0.0	13.0	5822750	4730692	6783008	-		
3/16/2024	-56.35	-72.06	-47.90	0.0	13.1	0.0	13.1	5822750	4750563	6783008	-		
3/17/2024	-54.79	-70.27	-46.19	0.0	13.1	0.0	13.1	5822750	4769478	6783008	-		
3/18/2024	-53.81	-69.31	-45.20	0.0	13.2	0.0	13.2	5822750	4788518	6783008	-		
3/19/2024	-52.96	-68.40	-44.32	0.0	13.3	0.0	13.3	5822750	4807697	6783008	-		
3/20/2024	-52.26	-67.62	-43.64	0.0	13.3	0.0	13.3	5822750	4826798	6783008	-		
3/21/2024	-51.98	-67.30	-43.28	0.0	13.3	0.0	13.3	5822750	4846039	6783008	-		
3/22/2024	-51.62	-66.43	-42.86	0.0	13.2	0.0	13.2	5822750	4863900	6783008	-		
3/23/2024	-51.07	-65.92	-42.24	0.0	13.1	0.0	13.1	5822752	4882817	6783008	-		
3/24/2024	-50.06	-65.24	-41.57	0.0	13.2	0.0	13.2	5822752	4901787	6783008	-		
3/25/2024	-49.30	-64.69	-40.94	0.0	13.3	0.0	13.3	5822752	4920891	6783008	-		
3/26/2024	-48.53	-64.00	-40.11	0.0	13.3	0.0	13.3	5822752	4940056	6783008	-		
3/27/2024	-47.89	-63.04	-39.39	0.0	13.3	0.0	13.3	5822752	4959259	6783008	-		
3/28/2024	-47.31	-62.40	-38.87	0.0	13.3	0.0	13.3	5822752	4978424	6783008	-		
3/29/2024	-46.67	-61.85	-38.30	0.0	13.3	0.0	13.3	5822752	4997589	6783008	-		
3/30/2024	-46.34	-61.53	-37.94	0.0	13.4	0.0	13.4	5822752	5016803	6783008	-		
3/31/2024	-46.09	-61.35	-37.73	0.0	13.4	0.0	13.4	5822752	5036131	6783008	-		

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	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
4/1/2024	-46.03	-61.16	-37.62	0.0	13.4	0.0	13.4	5822752	5055435	6783008	-		
4/2/2024	-45.91	-61.21	-37.47	0.0	13.5	0.0	13.5	5822752	5074783	6783008	-		
4/3/2024	-45.57	-60.75	-37.21	0.0	13.4	0.0	13.4	5822752	5094156	6783008	-		
4/4/2024				0.0		0.0	0.0	5822752		6783008	No Communications, System Running		
4/5/2024	-44.51	-59.88	-36.17	0.0	13.5	0.0	13.5	5822752	5132974	6783008	-		
4/6/2024				0.0		0.0	0.0	5822752		6783008	No Communications, System Running		
4/7/2024				0.0		0.0	0.0	5822752		6783008	-		
4/8/2024				0.0		0.0	0.0	5822752		6783008	-		
4/9/2024				0.0		0.0	0.0	5822752		6783008	-		
4/10/2024	-43.80	-55.99	-34.82	0.0	13.5	0.0	13.5	5822752	5232506	6783008	Power cycle system while on Site. System begins communicating.		
4/11/2024	-43.62	-58.42	-35.13	0.0	13.4	0.0	13.4	5822752	5248861	6783008	-		
4/12/2024	-42.95	-57.59	-34.61	0.0	13.1	0.0	13.1	5822752	5267414	6783008	-		
4/13/2024	-42.73	-57.64	-34.30	0.0	13.4	0.0	13.4	5822752	5286521	6783008	-		
4/14/2024	-42.76	-57.59	-34.30	0.0	13.3	0.0	13.3	5822752	5305641	6783008	-		
4/15/2024	-42.46	-57.41	-33.99	0.0	13.3	0.0	13.3	5822752	5324875	6783008	-		
4/16/2024				0.0		0.0	0.0	5822752		6783008	No communication 4/16/2024		
4/17/2024	-38.61	-39.64	-28.23	0.0	0.0	0.0	0.0	5822757	5328607	6783012	System Down		
4/18/2024	-36.66	-37.44	-26.26	0.0	0.0	0.0	0.0	5822757	5328607	6783012	System restarted remotely		
4/19/2024	-35.44	-43.35	-25.17	0.0	12.9	0.0	12.9	5822757	5328728	6783012	-		
4/20/2024	-37.39	-50.17	-28.39	0.0	12.8	0.0	12.8	5822757	5345750	6783012	-		
4/21/2024	-38.40	-51.50	-29.58	0.0	12.6	0.0	12.6	5822757	5363964	6783012	-		
4/22/2024	-39.04	-52.14	-30.20	0.0	12.5	0.0	12.5	5822757	5382058	6783012	-		
4/23/2024	-39.65	-52.78	-30.77	0.0	12.5	0.0	12.5	5822757	5400017	6783012	-		
4/24/2024	-39.83	-53.01	-31.03	0.0	12.5	0.0	12.5	5822757	5417977	6783012	-		
4/25/2024	-40.60	-53.79	-31.81	0.0	12.5	0.0	12.5	5822757	5435995	6783012	-		
4/26/2024	-40.93	-53.75	-32.12	0.0	12.1	0.0	12.1	5822757	5453744	6783012	-		
4/27/2024	-41.27	-54.29	-32.38	0.0	12.3	0.0	12.3	5822757	5471108	6783012	-		
4/28/2024	-41.33	-53.93	-32.54	0.0	12.0	0.0	12.0	5822757	5488455	6783012	-		
4/29/2024	-41.51	-54.25	-32.64	0.0	12.0	0.0	12.0	5822757	5505758	6783012	-		
4/30/2024	-41.85	-54.34	-33.06	0.0	11.9	0.0	11.9	5822757	5523021	6783012	-		

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	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
5/1/2024	-42.22	-54.57	-33.26	0.0	11.9	0.0	11.9	5822757	5540229	6783012	-		
5/2/2024	-42.55	-54.98	-33.58	0.0	12.0	0.0	12.0	5822757	5557515	6783012	-		
5/3/2024	-42.98	-55.53	-34.25	0.0	11.9	0.0	11.9	5822757	5574736	6783012	-		
5/4/2024	-43.38	-55.71	-34.47	0.0	11.8	0.0	11.8	5822757	5591868	6783012	-		
5/5/2024	-43.77	-56.03	-34.72	0.0	11.9	0.0	11.9	5822757	5608871	6783012	-		
5/6/2024	-43.53	-56.08	-34.67	0.0	11.9	0.0	11.9	5822757	5625879	6783012	-		
5/7/2024	-43.53	-55.90	-34.61	0.0	11.7	0.0	11.7	5822757	5642818	6783012	-		
5/8/2024	-43.44	-55.85	-34.51	0.0	11.7	0.0	11.7	5822757	5659658	6783012	-		
5/9/2024	-43.41	-56.22	-34.56	0.0	12.0	0.0	12.0	5822757	5676159	6783012	-		
5/10/2024	-43.53	-56.63	-35.70	0.0	12.0	0.0	12.0	5822757	5693253	6783051	-		
5/11/2024	-43.38	-56.36	-35.70	0.0	12.0	0.0	12.0	5822757	5710554	6783051	-		
5/12/2024	-43.59	-56.72	-35.81	0.0	12.2	0.0	12.2	5822757	5728137	6783051	-		
5/13/2024	-43.62	-56.90	-35.91	0.0	12.2	0.0	12.2	5822757	5745730	6783051	-		
5/14/2024	-43.65	-56.72	-35.91	0.0	12.1	0.0	12.1	5822757	5763126	6783051	-		
5/15/2024	-43.74	-56.77	-36.02	0.0	12.0	0.0	12.0	5822757	5780506	6783051	-		
5/16/2024	-43.56	-56.49	-35.81	0.0	11.9	0.0	11.9	5822757	5797730	6783051	-		
5/17/2024	-43.56	-56.81	-35.91	0.0	12.0	0.0	12.0	5822757	5815043	6783051	-		
5/18/2024	-43.53	-56.81	-35.86	0.0	12.1	0.0	12.1	5822757	5832483	6783051	-		
5/19/2024	-43.56	-56.90	-35.91	0.0	12.1	0.0	12.1	5822757	5849925	6783051	-		
5/20/2024	-43.80	-57.00	-36.02	0.0	12.1	0.0	12.1	5822757	5867366	6783051	-		
5/21/2024	-43.99	-57.04	-36.33	0.0	12.0	0.0	12.0	5822757	5884825	6783051	-		
5/22/2024	-44.32	-57.36	-36.53	0.0	12.1	0.0	12.1	5822757	5902259	6783051	-		
5/23/2024	-44.54	-57.59	-36.79	0.0	12.1	0.0	12.1	5822757	5919696	6783051	-		
5/24/2024	-44.99	-58.05	-37.16	0.0	12.1	0.0	12.1	5822757	5937183	6783051	-		
5/25/2024	-45.39	-58.55	-37.57	0.0	12.1	0.0	12.1	5822757	5954662	6783051	-		
5/26/2024	-45.88	-58.87	-37.99	0.0	12.1	0.0	12.1	5822757	5972134	6783051	-		
5/27/2024	-46.28	-59.29	-38.40	0.0	12.1	0.0	12.1	5822757	5989515	6783051	-		
5/28/2024	-46.58	-59.56	-38.61	0.0	12.0	0.0	12.0	5822757	6006880	6783051	-		
5/29/2024	-47.01	-60.16	-39.23	0.0	12.2	0.0	12.2	5822757	6024308	6783051	-		
5/30/2024	-57.48	-65.01	-45.46	16.0	12.2	0.0	28.2	5852554	6052221	6783051	MW-5R repaired (Down since 3/14/24, down 2.5 months)		
5/31/2024	-58.67	-66.11	-46.55	15.9	12.2	0.0	28.1	5862094	6059543	6783051	-		

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Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
6/1/2024	-60.87	-68.21	-48.78	15.7	12.0	0.0	27.7	5884842	6077088	6783051	-		
6/2/2024	-62.42	-69.77	-50.29	15.6	11.9	0.0	27.5	5907426	6094439	6783051	-		
6/3/2024	-63.86	-71.01	-51.63	15.6	11.8	0.0	27.4	5929877	6111442	6783051	-		
6/4/2024							0.0				No Communications, System Running		
6/5/2024							0.0				No Communications, System Running		
6/6/2024							0.0				No Communications, System Running		
6/7/2024							0.0				No Communications, System Running		
6/8/2024							0.0				No Communications, System Running		
6/9/2024							0.0				No Communications, System Running		
6/10/2024							0.0				No Communications, System Running		
6/11/2024							0.0				No Communications, System Running		
6/12/2024	-73.20	-78.61	-60.20	14.9	10.4	0.0	25.3	6130053	6258777	6783051	-		
6/13/2024	-65.78	-77.88	-56.98	0.0	11.0	0.0	11.0	6135004	6272238	6783051	-		
6/14/2024	-63.95	-76.50	-55.42	0.0	11.2	0.0	11.2	6135004	6288192	6783051	-		
6/15/2024	-63.09	-75.31	-54.44	0.0	10.8	0.0	10.8	6135004	6304310	6783051	-		
6/16/2024	-62.67	-75.72	-54.13	0.0	11.6	0.0	11.6	6135004	6320771	6783051	-		
6/17/2024	-62.12	-75.22	-53.61	0.0	11.6	0.0	11.6	6135004	6337442	6783051	-		
6/18/2024	-61.81	-75.81	-53.40	0.0	12.2	0.0	12.2	6135004	6354380	6783051	-		
6/19/2024	-61.84	-75.81	-53.40	0.0	12.3	0.0	12.3	6135004	6372146	6783051	-		
6/20/2024	-61.75	-75.77	-53.30	0.0	12.3	0.0	12.3	6135004	6389913	6783051	-		
6/21/2024	-61.69	-75.68	-53.30	0.0	12.2	0.0	12.2	6135004	6407513	6783051	-		
6/22/2024	-61.63	-75.40	-53.09	0.0	12.1	0.0	12.1	6135004	6425017	6783051	-		
6/23/2024	-61.45	-74.81	-52.93	0.0	11.7	0.0	11.7	6135004	6442052	6783051	-		
6/24/2024	-60.01	-61.03	-50.08	0.0	0.0	0.0	0.0	6135004	6450459	6783051	-		
6/25/2024	-60.56	-73.39	-51.89	0.0	11.8	0.0	11.8	6135004	6466185	6783051	-		
6/26/2024	-60.71	-73.53	-52.00	0.0	11.6	0.0	11.6	6135004	6483071	6783051	-		
6/27/2024	-59.58	-67.25	-49.66	0.0	12.3	0.0	12.3	6135008	6493019	6783055	-		
6/28/2024	-60.38	-73.11	-51.74	0.0	11.7	0.0	11.7	6135008	6509020	6783055	-		
6/29/2024	-60.77	-73.89	-52.10	0.0	11.8	0.0	11.8	6135008	6526074	6783055	-		
6/30/2024	-60.90	-74.03	-52.26	0.0	11.8	0.0	11.8	6135008	6543109	6783055	-		

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Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
7/1/2024	-61.20	-74.30	-52.57	0.0	11.7	0.0	11.7	6135008	6560114	6783055	-		
7/2/2024	-61.51	-74.67	-52.83	0.0	11.8	0.0	11.8	6135008	6577018	6783055	-		
7/3/2024	-61.66	-74.90	-53.09	0.0	11.8	0.0	11.8	6135008	6594044	6783055			
7/4/2024	-61.75	-75.04	-53.14	0.0	11.8	0.0	11.8	6135008	6611032	6783055	-		
7/5/2024	-61.90	-75.22	-53.30	0.0	11.8	0.0	11.8	6135008	6628016	6783055	-		
7/6/2024	-62.15	-75.45	-53.50	0.0	11.8	0.0	11.8	6135008	6644993	6783055	-		
7/7/2024	-62.36	-75.86	-53.76	0.0	11.8	0.0	11.8	6135008	6662026	6783055	-		
7/8/2024	-62.61	-76.14	-53.92	0.0	11.9	0.0	11.9	6135008	6679142	6783055	-		
7/9/2024	-62.70	-76.27	-54.07	0.0	11.9	0.0	11.9	6135008	6696347	6783055	-		
7/10/2024	-62.85	-76.36	-54.23	0.0	11.9	0.0	11.9	6135008	6713504	6783055	-		
7/11/2024	-62.94	-75.86	-54.18	0.0	11.6	0.0	11.6	6135008	6729590	6783055	-		
7/12/2024	-63.16	-76.18	-54.49	0.0	11.5	0.0	11.5	6135008	6746140	6783055	-		
7/13/2024							0.0				No Communication		
7/14/2024							0.0				No Communication		
7/15/2024							0.0				No Communication		
7/16/2024							0.0				No Communication		
7/17/2024							0.0				No Communication		
7/18/2024							0.0				No Communication		
7/19/2024	-55.13	-54.84	-44.58	0.0	0.0	0.0	0.0	6135010	6747014	6783057	-		
7/20/2024	-56.50	-68.99	-47.43	0.0	12.3	0.0	12.3	6135010	6759924	6783057	-		
7/21/2024	-57.54	-70.50	-48.73	0.0	12.2	0.0	12.2	6135010	6777526	6783057	-		
7/22/2024	-58.30	-71.37	-49.61	0.0	12.1	0.0	12.1	6135010	6794953	6783057	-		
7/23/2024	-58.82	-72.15	-50.13	0.0	12.1	0.0	12.1	6135010	6812385	6783057	-		
7/24/2024	-59.28	-72.52	-50.70	0.0	12.0	0.0	12.0	6135010	6829812	6783057	-		
7/25/2024	-59.00	-72.66	-50.75	0.0	12.0	0.0	12.0	6135010	6847133	6783057	-		
7/26/2024	-59.13	-72.75	-50.70	0.0	11.9	0.0	11.9	6135010	6864392	6783057	-		
7/27/2024	-59.46	-73.07	-50.96	0.0	12.1	0.0	12.1	6135010	6881822	6783057	-		
7/28/2024	-59.61	-73.11	-51.12	0.0	12.0	0.0	12.0	6135010	6899205	6783057	-		
7/29/2024	-59.65	-73.07	-51.06	0.0	11.9	0.0	11.9	6135010	6916423	6783057	-		
7/30/2024	-59.77	-73.16	-51.22	0.0	11.9	0.0	11.9	6135010	6933567	6783057	-		
7/31/2024	-59.86	-73.16	-51.27	0.0	11.8	0.0	11.8	6135010	6950675	6783057	MW-5R repaired (down since 6/13/24, 1.5 months)		

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Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
8/1/2024	-63.34	-72.88	-53.04	12.9	11.7	0.0	24.6	6136211	6956934	6783180	-		
8/2/2024	-68.80	-76.96	-57.65	12.4	11.5	0.0	23.9	6165610	6984163	6783180	-		
8/3/2024	-70.24	-78.38	-59.21	12.2	11.3	0.0	23.5	6183361	7000566	6783180	-		
8/4/2024	-71.73	-79.52	-60.40	12.1	11.2	0.0	23.3	6200939	7016778	6783180	-		
8/5/2024	-72.74	-80.62	-61.34	12.0	11.1	0.0	23.1	6218338	7032911	6783180	-		
8/6/2024	-71.61	-66.93	-58.48	12.1	0.0	0.0	12.1	6235751	7033630	6783180	-		
8/7/2024	-70.45	-65.79	-57.50	12.2	0.0	0.0	12.2	6253279	7033630	6783180	-		
8/8/2024	-68.96	-64.51	-56.20	12.3	0.0	0.0	12.3	6271047	7033630	6783180	-		
8/9/2024	-62.82	-75.54	-55.06	0.0	11.7	0.0	11.7	6272612	7047141	6783221	-		
8/10/2024	-59.80	-60.98	-51.06	0.0	0.0	0.0	0.0	6272612	7054738	6783221	-		
8/11/2024	-56.78	-57.41	-47.85	0.0	0.0	0.0	0.0	6272612	7054738	6783221	-		
8/12/2024	-54.39	-54.75	-45.20	0.0	0.0	0.0	0.0	6272612	7054738	6783221	-		
8/13/2024	-55.13	-68.63	-47.48	11.2	12.1	0.0	23.3	6272612	7071000	6783221	-		
8/14/2024	-60.65	-69.18	-50.03	11.0	11.7	0.0	22.7	6283458	7085175	6783251	-		
8/15/2024	-62.64	-71.37	-52.00	10.8	12.0	0.0	22.8	6299114	7102304	6783251	-		
8/16/2024	-63.86	-72.61	-53.30	10.6	11.8	0.0	22.4	6314502	7119452	6783251	-		
8/17/2024	-64.80	-73.34	-54.18	10.5	11.6	0.0	22.1	6329710	7136292	6783251	-		
8/18/2024	-65.44	-74.03	-54.85	10.4	11.5	0.0	21.9	6344778	7152907	6783251	-		
8/19/2024	-66.15	-74.81	-55.58	10.4	11.6	0.0	22.0	6359744	7169491	6783251	-		
8/20/2024	-66.94	-75.49	-56.31	10.3	11.4	0.0	21.7	6374588	7186026	6783251	-		
8/21/2024	-67.67	-76.64	-57.19	10.1	11.6	0.0	21.7	6389277	7202586	6783251	-		
8/22/2024	-62.85	-67.76	-52.52	10.6	11.3	0.0	21.9	6394896	7208985	6783254	-		
8/23/2024	-67.00	-75.40	-56.41	10.2	11.5	0.0	21.7	6408876	7224458	6783254	-		
8/24/2024	-68.28	-77.92	-57.86	10.1	12.3	0.0	22.4	6423479	7241714	6783254	-		
8/25/2024	-69.32	-78.42	-58.74	9.9	11.5	0.0	21.4	6437892	7259097	6783254	-		
8/26/2024	-69.99	-79.02	-59.57	9.8	11.5	0.0	21.3	6452167	7275684	6783254	-		
8/27/2024	-70.82	-79.84	-60.20	9.8	11.5	0.0	21.3	6466301	7292324	6783254	-		
8/28/2024	-71.43	-80.62	-60.77	9.7	11.6	0.0	21.3	6480323	7308907	6783254	-		
8/29/2024	-72.13	-81.36	-61.39	9.6	11.5	0.0	21.1	6494253	7325552	6783254	-		
8/30/2024	-72.59	-82.09	-62.01	9.5	11.5	0.0	21.0	6508014	7342145	6783254	-		
8/31/2024	-73.05	-82.55	-62.38	9.5	11.4	0.0	20.9	6521679	7358628	6783254	-		

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	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
9/1/2024	-73.38	-82.32	-62.74	9.4	11.0	0.0	20.4	6535284	7374689	6783254	-		
9/2/2024	-73.90	-82.91	-63.21	9.4	11.0	0.0	20.4	6548830	7390520	6783254	-		
9/3/2024	-74.39	-81.63	-63.57	9.3	9.4	0.0	18.7	6562311	7406087	6783254	-		
9/4/2024	-74.54	-81.40	-63.62	9.2	9.3	0.0	18.5	6575648	7419564	6783254	-		
9/5/2024	-74.85	-81.49	-63.78	9.2	9.3	0.0	18.5	6588993	7433037	6783254	-		
9/6/2024	-74.94	-81.63	-63.88	9.2	9.3	0.0	18.5	6602306	7446423	6783254	-		
9/7/2024	-75.09	-81.72	-64.19	9.2	9.2	0.0	18.4	6615597	7459615	6783254	-		
9/8/2024	-75.46	-82.32	-64.50	9.1	9.4	0.0	18.5	6628818	7473125	6783254	-		
9/9/2024	-76.04	-83.37	-65.39	9.0	9.7	0.0	18.7	6657675	7503348	6783254	-		
9/10/2024	-76.19	-83.64	-65.96	9.0	9.6	0.0	18.6	6659321	7505113	6783419	ERT-1 Repaired (down since Feb 18, 2024, 7 months)		
9/11/2024	-78.33	-85.98	-72.03	8.5	9.4	9.7	27.6	6667447	7513993	6792432	-		
9/12/2024	-79.91	-87.17	-73.64	8.3	9.0	9.7	27.0	6679556	7526900	6806491	-		
9/13/2024	-81.20	-88.54	-74.78	8.1	9.1	9.7	26.9	6691385	7539670	6820496	-		
9/14/2024	-82.36	-89.60	-75.92	7.9	8.9	9.6	26.4	6702967	7552590	6834412	-		
9/15/2024	-83.33	-90.42	-76.70	7.8	8.6	9.6	26.0	6714335	7565239	6848273	-		
9/16/2024	-84.13	-91.29	-77.58	7.7	8.5	9.5	25.7	6725494	7577560	6862058	-		
9/17/2024	-84.77	-91.79	-78.36	7.5	8.3	9.5	25.3	6736470	7589640	6875755	-		
9/18/2024	-85.41	-92.39	-79.03	7.4	8.1	9.5	25.0	6747281	7601457	6889442	-		
9/19/2024	-86.02	-93.03	-79.50	7.3	8.0	9.5	24.8	6757923	7613045	6903109	-		
9/20/2024	-86.75	-93.44	-80.28	7.2	7.9	9.4	24.5	6768432	7624373	6916723	-		
9/21/2024	-87.33	-93.90	-80.75	7.1	7.8	9.4	24.3	6778791	7635637	6930251	-		
9/22/2024	-87.88	-94.45	-81.11	7.0	7.7	9.3	24.0	6788996	7646810	6943707	-		
9/23/2024	-88.43	-94.36	-81.58	6.9	7.3	9.3	23.5	6799078	7657441	6957094	-		
9/24/2024	-88.80	-94.54	-81.89	6.8	7.1	9.2	23.1	6809015	7667840	6970395	-		
9/25/2024	-90.99	-95.41	-83.44	8.6	7.0	10.1	25.7	6821264	7678093	6984858	-		
9/26/2024	-91.88	-95.73	-84.07	8.5	6.8	10.0	25.3	6833575	7688082	6999389	-		
9/27/2024	-92.58	-95.73	-84.22	8.4	6.4	10.0	24.8	6845675	7697610	7013759	-		
9/28/2024	-93.07	-95.27	-84.59	8.3	5.6	10.0	23.9	6857724	7706600	7028145	-		
9/29/2024	-93.41	-95.46	-84.64	8.3	5.6	10.0	23.9	6869691	7714706	7042503	-		
9/30/2024	-86.90	-93.99	-82.61	0.0	5.6	10.0	15.6	6869939	7722625	7057083	MW-5R off because it hit its level set point		

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Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
10/1/2024	-91.73	-94.72	-83.86	7.1	5.7	10.1	22.9	6879397	7730531	7071624	-		
10/2/2024	-92.15	-94.95	-84.22	6.9	5.4	10.0	22.3	6889526	77738391	7086081	-		
10/3/2024	-92.52	-95.18	-84.38	6.9	5.4	10.0	22.3	6899511	7746209	7100496	-		
10/4/2024	-92.70	-96.37	-84.79	6.8	6.0	10.0	22.8	6909433	7754017	7114894	-		
10/5/2024	-93.13	-96.14	-84.90	6.8	5.8	9.9	22.5	6919291	7762431	7129252	-		
10/6/2024	-93.31	-96.19	-85.47	6.8	5.6	9.9	22.3	6929080	7770649	7143584	-		
10/7/2024	-93.47	-96.10	-85.52	6.7	5.2	9.9	21.8	6938818	7778441	7157891	-		
10/8/2024	-93.83	-96.01	-85.62	6.7	5.2	9.9	21.8	6948506	7785907	7172181	-		
10/9/2024	-94.29	-96.79	-85.83	6.6	5.5	9.9	22.0	6958096	7793367	7186442	-		
10/10/2024	-93.89	-97.56	-85.00	6.5	11.2	9.1	26.8	6966947	7798859	7199818	-		
10/11/2024	-94.05	-97.11	-85.11	6.8	0.0	9.3	16.1	6976591	7803825	7213189	MW-7R reported as 0.0 gpm, but is on. It hit the low level set point.		
10/12/2024	-93.56	-95.32	-84.74	6.8	2.4	9.4	18.6	6986334	7807541	7226636	-		
10/13/2024	-93.56	-95.14	-84.59	6.8	2.4	9.4	18.6	6996142	7811036	7240160	-		
10/14/2024	-93.47	-94.95	-84.64	6.8	2.3	9.4	18.5	7005908	7814456	7253664	-		
10/15/2024							0.0				No Communications, System Running		
10/16/2024	-94.69	-96.60	-85.21	6.5	3.3	9.4	19.2	7024995	7824544	7280689	-		
10/17/2024	-93.31	-96.60	-85.21	5.9	3.3	9.4	18.6	7033516	7829391	7294240	-		
10/18/2024	-93.41	-96.60	-85.16	5.9	3.2	9.4	18.5	7042068	7834150	7307829	-		
10/19/2024	-93.41	-96.56	-85.36	5.9	3.2	9.4	18.5	7050628	7838781	7321435	-		
10/20/2024	-93.47	-96.74	-85.21	5.9	3.1	9.5	18.5	7059192	7843346	7335121	-		
10/21/2024	-93.44	-96.42	-85.26	5.9	3.1	9.5	18.5	7067753	7847830	7348839	-		
10/22/2024	-93.89	-96.60	-85.57	5.9	3.0	9.5	18.4	7076299	7852257	7362602	-		
10/23/2024	-94.14	-96.51	-85.47	5.8	3.0	9.6	18.4	7084779	7856650	7376423	-		
10/24/2024	-94.47	-96.56	-85.57	5.8	2.9	9.5	18.2	7093138	7860936	7390159	-		
10/25/2024	-94.84	-96.83	-85.88	5.6	2.9	9.6	18.1	7101346	7865145	7403943	-		
10/26/2024	-89.62	-96.05	-84.85	0.0	3.0	9.7	12.7	7105476	7869334	7417763	-		
10/27/2024	-88.43	-95.50	-83.86	0.0	3.0	9.8	12.8	7105476	7873615	7431776	-		
10/28/2024	-87.85	-94.86	-83.34	0.0	3.0	9.8	12.8	7105476	7877930	7445905	-		
10/29/2024	-92.00	-95.00	-82.93	5.3	3.1	7.3	15.7	7113842	7882212	7457049			
10/30/2024	-92.03	-95.09	-83.13	5.9	3.1	7.3	16.3	7122302	7886599	7467748	-		
10/31/2024	-92.03	-95.00	-83.08	4.5	3.0	7.5	15.0	7130607	7891003	7478474	-		

Prepared by: IM/LB
Checked by: NMB
Date:5/21/2025

Table 3 - GWETS Data Logs –2024 Annual OMM Reporting Period

Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
11/1/2024	-91.94	-95.00	-82.98	5.7	3.2	7.3	16.2	7138833	7895399	7489160	-		
11/2/2024	-92.00	-94.91	-83.08	5.0	3.1	7.5	15.6	7146879	7899730	7499739	-		
11/3/2024	-91.97	-95.00	-82.98	4.7	3.0	7.3	15.0	7154797	7903994	7510196	-		
11/4/2024	-91.97	-94.95	-83.03	5.8	2.9	7.2	15.9	7162669	7908253	7520532	-		
11/5/2024	-91.94	-94.95	-82.87	5.5	3.0	7.1	15.6	7170561	7912524	7530947	-		
11/6/2024	-92.00	-94.95	-83.03	5.6	3.0	7.4	16.0	7178442	7916798	7541391	-		
11/7/2024	-92.00	-95.00	-82.98	5.5	2.9	7.1	15.5	7186240	7921041	7551784	-		
11/8/2024	-92.00	-95.05	-82.82	5.6	2.9	7.1	15.6	7193944	7925232	7562040	-		
11/9/2024	-92.00	-95.09	-82.98	5.7	3.0	7.1	15.8	7201602	7929391	7572224	-		
11/10/2024	-91.91	-94.91	-83.08	4.8	2.9	7.0	14.7	7209173	7933499	7582245	-		
11/11/2024	-92.00	-95.09	-83.03	5.6	2.8	7.1	15.5	7216818	7937643	7592389	-		
11/12/2024							0.0				No Communications, System Running		
11/13/2024	-91.91	-95.05	-83.03	5.4	2.9	6.8	15.1	7231734	7945785	7612342	-		
11/14/2024	-91.97	-94.86	-83.03	5.1	4.7	6.0	15.8	7238965	7952009	7621448	-		
11/15/2024	-91.94	-94.91	-83.13	5.0	4.7	5.9	15.6	7246056	7958824	7630006	-		
11/16/2024	-92.00	-87.17	-77.79	7.8	0.0	0.0	7.8	7255728	7960033	7631519	-		
11/17/2024	-92.03	-85.93	-76.91	9.1	0.0	0.0	9.1	7268112	7960033	7631519	-		
11/18/2024	-92.00	-85.20	-76.28	10.0	0.0	0.0	10.0	7281750	7960033	7631519	Wells MW-7R and ERT-1 down over the weekend, restarted on 11/18 at 0800		
11/19/2024	-91.91	-94.63	-83.03	5.5	5.3	7.5	18.3	7291342	7967446	7643446	-		
11/20/2024	-92.00	-94.72	-82.98	5.3	5.1	6.6	17.0	7299032	7974804	7653367	-		
11/21/2024	-91.94	-94.45	-83.03	4.2	4.8	6.3	15.3	7306272	7981809	7662502	-		
11/22/2024	-91.94	-94.40	-83.03	5.0	4.6	6.2	15.8	7313435	7988578	7671366	-		
11/23/2024	-91.94	-93.99	-83.24	6.8	4.4	6.5	17.7	7321974	7995031	7680371	-		
11/24/2024	-92.12	-93.81	-82.87	6.9	4.3	6.9	18.1	7332220	8001311	7690076	-		
11/25/2024	-85.71	-86.30	-76.39	0.0	0.0	3.9	3.9	7338852	8005321	7698310	system down at 21:50 on 12/24/24 due to electrical outage, restarted 0735 12/25/24. ERT-1 shows		
11/26/2024	-90.60	-92.30	-81.58	6.5	4.5	7.2	18.2	7347734	8011584	7708580	-		
11/27/2024	-91.94	-92.12	-82.98	7.4	3.9	8.8	20.1	7360102	8017785	7716449	-		
11/28/2024	-92.00	-91.93	-83.03	7.9	3.7	8.2	19.8	7370782	8023139	7728814	-		
11/29/2024	-91.91	-92.12	-83.03	8.8	3.7	8.6	21.1	7381971	8028403	7740998	-		
11/30/2024	-92.03	-91.84	-82.93	8.6	3.8	8.8	21.2	7394392	8033760	7753375	-		

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Table 3 - GWETS Data Logs –2024 Annual OMM Reporting Period

Date	Recovery Well Water Levels (Feet)[1]			Pump Speeds (Gallons Per Minute, GPM)				Volume of Water Pumped from Each Well (Totalizer in Gallons)[2]			System Downtime and/or Modifications Notes		
	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1	Total Flow	MW-5R	MW-7R	ERT-1	MW-5R	MW-7R	ERT-1
12/1/2024	-92.06	-92.02	-82.56	7.7	3.9	8.8	20.4	7406609	8039265	7765905	-		
12/2/2024	-91.97	-92.07	-82.98	7.5	3.9	8.8	20.2	7418215	8044880	7778543	-		
12/3/2024	-92.00	-91.93	-82.82	6.4	3.9	8.8	19.1	7429464	8050531	7791240	-		
12/4/2024	-91.97	-92.12	-82.93	7.9	4.0	8.8	20.7	7440554	8056147	7803885	-		
12/5/2024	-92.00	-91.93	-83.03	7.6	4.0	9.0	20.6	7451750	8061785	7816651	-		
12/6/2024	-91.97	-92.21	-82.93	7.8	3.8	8.7	20.3	7462875	8067361	7829265	-		
12/7/2024	-92.15	-92.16	-83.50	6.9	3.9	8.5	19.3	7473876	8072848	7841696	-		
12/8/2024	-91.97	-92.02	-82.93	8.8	3.8	8.6	21.2	7484966	8078359	7854216	-		
12/9/2024	-91.97	-92.07	-82.87	7.7	3.9	8.5	20.1	7496062	8083863	7866723	-		
12/10/2024	-92.03	-92.02	-82.98	8.0	3.9	9.0	20.9	7507596	8089392	7879261	-		
12/11/2024	-92.00	-90.97	-82.98	10.1	3.2	9.4	22.7	7520878	8094370	7892420	-		
12/12/2024	-91.91	-90.56	-82.98	10.2	2.9	9.9	23.0	7535570	8098924	7906404	-		
12/13/2024	-91.97	-90.19	-83.13	10.2	3.1	10.2	23.5	7551042	8103278	7920809	-		
12/14/2024	-91.97	-90.15	-82.98	10.7	3.0	10.5	24.2	7566652	8107637	7935700	-		
12/15/2024	-91.94	-89.41	-82.93	10.4	3.0	10.6	24.0	7581883	8111936	7951031	-		
12/16/2024	-91.97	-89.32	-82.87	10.8	2.8	11.2	24.8	7596832	8116088	7966871	-		
12/17/2024	-92.00	-88.68	-82.98	10.4	2.6	11.5	24.5	7611926	8119991	7983272	-		
12/18/2024	-92.09	-88.64	-83.08	12.7	2.8	11.6	27.1	7628470	8123829	8000098	-		
12/19/2024	-91.97	-88.45	-82.93	12.1	2.6	12.0	26.7	7645877	8127634	8017315	MW-7R running at 100% speed but not reaching set point or exceeding 3gpm. Shutdown until repair		
12/20/2024	-91.97	-88.22	-83.03	12.6	2.5	12.2	27.3	7663784	8131409	8034710	-		
12/21/2024	-92.03	-84.83	-83.29	12.6	0.0	13.3	25.9	7682104	8131663	8053494	MW-7R shutdown (See issue form 12/19 above) until repairs can be made after Holidays		
12/22/2024	-92.06	-84.65	-83.13	12.4	0.0	13.3	25.7	7700227	8131663	8072758	-		
12/23/2024	-91.94	-84.74	-83.08	11.9	0.0	13.3	25.2	7717848	8131663	8092002	-		
12/24/2024	-91.97	-84.47	-83.39	12.5	0.0	13.6	26.1	7735114	8131663	8111472	-		
12/25/2024	-91.97	-84.56	-82.98	11.8	0.0	13.6	25.4	7752302	8131663	8131041	-		
12/26/2024	-92.09	-84.70	-82.98	12.0	0.0	13.6	25.6	7769236	8131663	8150496	-		
12/27/2024	-92.03	-84.56	-82.98	12.3	0.0	13.3	25.6	7785954	8131663	8169938	-		
12/28/2024	-91.94	-84.70	-83.08	11.8	0.0	13.4	25.2	7802651	8131663	8189228	-		
12/29/2024	-92.03	-84.70	-82.87	11.9	0.0	13.3	25.2	7819363	8131663	8208573	-		
12/30/2024					0.0		0.0				No Communications, System Running		
12/31/2024					0.0		0.0				No Communications, System Running		
Totals	-	-	-	-	-	-		3222997	4286468	2374074	Total Time System Down January 1, 2024 through December 31, 2024: Approximately 11.5 days		
									9883539				

Notes:

1. Extraction wll measurement point is Top of Casing (TOC)
2. Totals include data from system reporting period January 1, 2024 through December 31, 2024

Prepared by: IM/LB
Checked by: NMB
Date:5/21/2025

Table 4: GWETS Performance Sampling Results - 2024 Annual OMM Reporting Period

Parameter		1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethene Total	1,4-Dioxane	Acetone	Benzene	Carbon Tetrachloride	Chloroform	Methylene Chloride	Toluene	Trichloroethylene	Iron	pH	Total Dissolved Solids	Total Suspended Solids
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	SU	mg/L	mg/L
SPDES Permit Discharge Limits		10	10	10	10	10	Monitor	50	5	10	10	10	5	10	540	6.5 - 8.5	Monitor	20
NYS Class GA		5*	1	5*	5*	0.6	-	50	1	5*	7	5*	5*	5*	300	-	-	-
Sample ID	Sample Date																	
Pre Air Stripper Combined Influen	1/10/2024	19	1.5 U	1.8	6.4	2.5 U	2.05	10 U	1 U	1 U	1 U	1 U	1 U	2.9	0.0192 J	7.17	400	5 U
Pre Air Stripper Combined Influen	2/6/2024	25	1.5 U	2.2	7.2	2.5 U	2.2	10 U	1 U	1 U	1 U	1 U	1 U	2.9	0.05 U	7.26	400	5 U
Pre Air Stripper Combined Influen	3/21/2024	52	1.5 U	21	9	0.54 J	3.72	10 U	1 U	1 U	1 U	1 U	1 U	2.7	0.05 U	7.35	350	5 U
Pre Air Stripper Combined Influen	4/10/2024	79	1.5 U	20	14	0.58 J	5.8	10 U	1 U	1 U	1 U	1 U	1 U	3.7	0.05 U	7.64	410	5 U
Pre Air Stripper Combined Influen	5/9/2024	92	1.5 U	22	12	0.89 J	6.58	10 U	1 U	1 U	1 U	1 U	1 U	3.2	0.184	7.16	390	18
Pre Air Stripper Combined Influen	6/12/2024	60	1.5 U	4.1	20	2.5 U	4.9	10 U	1 U	1 U	1 U	1 U	1 U	4.6	0.05 U	6.93	440	5 U
Pre Air Stripper Combined Influen	7/10/2024	57	1.5 U	21	13	0.65 J	4.94	10 U	1 U	1 U	1 U	1 U	1 U	3.2	0.05 U	7.23	400	5 U
Pre Air Stripper Combined Influen	8/8/2024	49 J+	NA	NA	NA	NA	2.6	NA	1 U	1 U	1 U	NA	1 U	NA	0.05 U	6.67	380	5 U
Pre Air Stripper Combined Influen	9/10/2024	48 J+	1.5 U	3.6 J+	13 J+	2.5 U	3.69 J-	10 U	1 U	1 U	1 U	1 U	1 U	4.8 J+	0.0373 J	6.93	470	5 U
Pre Air Stripper Combined Influen	10/9/2024	15	1.5 U	2	7.1	2.5 U	2.41	10 UJ	1 U	1 U	1 U	1 U	1 U	2.5	0.0499 J	7.45	430	22
Pre Air Stripper Combined Influen	11/13/2024	19	1.5 U	2.2	7.4	2.5 U	1.25	10 U	1 U	1 U	1 U	1 U	1 U	3.1	0.05 U	6.91	360	5 U
Pre Air Stripper Combined Influen	12/11/2024	16	1.5 U	2.3	6.5	2.5 U	3.24 J	10 U	1 U	1 U	1 U	1 U	1 U	2.3	0.0365 J	7.08	370	5 U
Air Stripper Effluent	1/10/2024	5.1	1.5	2.7	0.8 J	2.5 U	4.03	10 U	1 U	1 U	1 U	1 U	1 U	0.62 J	0.05 U	8.01	390	5 U
Air Stripper Effluent	2/6/2024	4.5	1.5 U	2.4	0.67 J	2.5 U	3.72	10 U	1 U	1 U	1 U	1 U	1 U	0.52 J	0.05 U	7.83	410	5 U
Air Stripper Effluent	3/21/2024	1 J	1.5 U	1 J	1 U	2.5 U	3.87	10 U	1 U	1 U	1 U	1 U	1 U	1 U	0.0213 J	7.87	360	5 U
Air Stripper Effluent	4/10/2024	1.7 J	1.5 U	1.2 J	1 U	2.5 U	7.31	10 U	1 U	1 U	1 U	1 U	1 U	1 U	0.0252 J	8.26	400	5 U
Air Stripper Effluent	5/9/2024	7.2 J-	1.5 UJ	5.1 J-	0.59 J-	2.5 UJ	6.16	10 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	0.48 J-	0.05 U	7.88	370	5 U
Air Stripper Effluent	6/12/2024	6.9	1.5 U	3.3	1.4	0.19 J	4.56	10 U	1 U	1 U	1 U	1 U	1 U	0.72 J	0.05 U	7.48	460	5 U
Air Stripper Effluent	7/10/2024	5.4	1.5 U	5.3	0.58 J	0.19 J	5.27	10 U	1 U	1 U	1 U	1 U	1 U	0.52 J	0.05 U	7.86	420	5 U
Air Stripper Effluent	8/8/2024	3.9 J+	NA	NA	NA	NA	2.93	NA	1 U	1 U	1 U	NA	1 U	NA	0.0258 J	6.91	400	5 U
Air Stripper Effluent	9/10/2024	3.5	1.5 U	2.5	0.54 J	2.5 U	3.39 J-	10 U	1 U	1 U	1 U	1 U	1 U	0.55 J	0.0299 J	7.13	380	5 U
Air Stripper Effluent	10/9/2024	1.7 J	1.5 U	1.5	0.31 J	2.5 U	3.41	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	0.05 U	8	380	5 U
Air Stripper Effluent	11/13/2024	2 U	1.5 U	1.5 U	1 U	2.5 U	3.34	10 U	1 U	1 U	1 U	1 U	1 U	1 U	0.05 U	7.94	390	5 U
Air Stripper Effluent	12/11/2024	2.1	1.5 U	1.3 J	0.46 J	2.5 U	4.41 J	10 U	1 U	1 U	1 U	1 U	1 U	0.42 J	0.05 U	7.82	380	5 U
ERT-1	1/10/2024	46	1.5 U	7.5	16	0.31 J	6.17	10 U	1 U	1 U	1 U	1 U	1 U	5.2	0.05 U	7.17	370	5 U
ERT-1	2/6/2024	53	1.5 U	7.6	18	0.36 J	5.52	10 U	1 U	1 U	1 U	1 U	1 U	5.1	0.05 U	7.07	410	5 U
ERT-1	5/9/2024	52 J-	1.5 UJ	4.6 J-	10 J-	2.5 UJ	5.78	10 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	3.2 J-	0.05 U	7.12	380	5 U
ERT-1	9/10/2024	46	1.5 U	10	15	0.27 J	6.41 J-	10 U	1 U	1 U	1 U	1 U	1 U	5.3	0.0551	6.89	360	5 U
ERT-1	10/9/2024	33	1.5 U	5.9	16	2.5 U	4.93 J	10 UJ	1 U	1 U	1 U	1 U	1 U	3.5	0.05 U	7.12	370	5 U
ERT-1	11/13/2024	20	1.5 U	4.6	10	2.5 U	4.49	10 U	1 U	1 U	1 U	1 U	1 U	3	0.05 U	7.02	370	5 U
ERT-1	12/11/2024	NA	NA	NA	NA	NA	5.63 J	NA	NA	NA	NA	NA	NA	NA	0.05 U	6.86	390	5 U
MW-5R	1/10/2024	22	1.5 U	1.9	7.4	2.5 U	2.1	10 U	1 U	1 U	1 U	1 U	1 U	3.1	0.0169 J	7.38	410	5 U
MW-5R	2/6/2024	27	1.5 U	2.2	8.2	2.5 U	2.29	10 U	1 U	1 U	1 U	1 U	1 U	3	0.05 U	7.12	410	5 U
MW-5R	6/12/2024	58	1.5 U	4.1	19	2.5 U	4.7	10 U	1 U	1 U	1 U	1 U	1 U	4.4	0.05 U	7	450	5 U
MW-5R	9/10/2024	50	1.5 U	3.8	13	2.5 U	4.31 J-	10 U	1 U	1 U	1 U	1 U	1 U	4.3	0.0193 J	6.91	470	5 U
MW-5R	10/9/2024	16	1.5 U	2.1	7.5	2.5 U	2.32	10 UJ	1 U	1 U	1 U	1 U	1 U	2.6	0.0242 J	7.19	430	5 U
MW-5R	11/13/2024	19	1.5 U	2.1	7.6	2.5 U	2.88	10 U	1 U	1 U	1 U	1 U	1 U	3.2	0.0304 J	7	420	5 U
MW-5R	12/11/2024	16	1.5 U	2.4	6.4	2.5 U	3.48 J	10 U	1 U	1 U	1 U	1 U	1 U	2.4	0.05 U	7	400	5 U
MW-7R	1/10/2024	60	1.5 U	35	10	1.1	2.84	10 U	1 U	1 U	1 U	1 U	1 U	1.5	0.05 U	7.28	370	5 U
MW-7R	2/6/2024	71	1.5 U	38	10	1.3	2.76	10 U	1 U	1 U	1 U	1 U	1 U	1.6	0.05 U	7.22	400	5 U
MW-7R	3/21/2024	52	1.5 U	21	9	0.54 J	3.72	10 U	1 U	1 U	1 U	1 U	1 U	2.7	0.05 U	7.35	350	5 U
MW-7R	4/10/2024	79	1.5 U	20	14	0.58 J	5.8	10 U	1 U	1 U	1 U	1 U	1 U	3.7	0.05 U	7.64	410	5 U
MW-7R	5/9/2024	98 J-	1.5 UJ	24 J-	13 J-	2.31 UJ	5.94	10 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	3.4 J-	0.05 U	7.09	400	5 U
MW-7R	6/12/2024	60	1.5 U	25	12	0.9 J	4.02	10 U	1 U	1 U	1 U	1 U	1 U	2.3	0.05 U	6.92	420	5 U
MW-7R	7/10/2024	57	1.5 U	21	13	0.65 J	4.94	10 U	1 U	1 U	1 U	1 U	1 U	3.2	0.05 U	7.23	400	5 U
MW-7R	8/8/2024	49 J+	NA	NA	NA	NA	2.6	NA	1 U	1 U	1 U	NA	1 U	NA	0.05 U	6.67	380	5 U
MW-7R	9/10/2024	42	1.5 U	18	7.6	0.7 J	2.77 J-	10 U	1 U	1 U	1 U	1 U	1 U	1.6	0.05 U	6.91	390	5 U
MW-7R	10/9/2024	26	1.5 U	15	7.2	0.5 J	1.62	10 UJ	1 U	1 U	1 U	1 U	1 U	0.5 J	0.05 U	7.12	360	5 U
MW-7R	11/13/2024	28	1.5 U	17	6.3	0.58 J	2.85	10 U	1 U	1 U	1 U	1 U	1 U	0.39 J	0.0488 J	7.09	420	15
MW-7R	12/11/2024	NA	NA	NA	NA	NA	1.47 J	NA	NA	NA	NA	NA	NA	NA	0.05 U	7.11	360	5 U

Notes:

Reported timeframe January 2024 through December 2024

NYS Class GA = New York State Class GA Groundwater Standards

* = The principal organic contaminant standard for groundwater of 5 ug/L applies to this substance.

" - " = No Criteria

NA = not analyzed

ND = not detected; reporting limit unavailable

U = not detected; value used is the reporting limit

J = Estimated Value

J- = Estimated Value, Biased Low

J+ = Estimated Value, Biased High

Bold = Detected value

Bold and highlighted = Exceeds standard

µg/L = Micrograms per liter

mg/L = Milligrams per liter

Prepared by: IEM 5/9/2025
Checked by: NMB 5/21/2025

Table 5 - Site Monitoring Well Network

Well I.D.	X Coordinate	Y Coordinate	Screening Interval (ft bgs)	Total Well Depth (ft BGS)	Well Detail	Sampling Frequency	Expected Role of the Well
ERT-1*	571897.25	4629866	28-195	195	Active Extraction Well, GWETS Performance Well	Monthly - GWETS Performance / LTM	Onsite Deep Bedrock/Source Well
ERT-4	571979.5	4629806.5	UNK-50	50	Standard MW	LTM	Onsite Shallow Bedrock Well
MW-1B	571967.38	4629665	22-100	100	Standard MW	LTM	Background Monitoring Well
MW-4	571971.06	4629799	11-21.5	21.5	Standard MW	LTM	Onsite Shallow Bedrock Well
MW-5B	571981.81	4629825.5	19-36.2	36.2	Standard MW	LTM	Onsite Shallow Bedrock Well
MW-5R*	572003.06	4629852	13-125	125	Active Extraction Well, GWETS Performance Well	Monthly - GWETS Performance / LTM	Onsite Deep Bedrock/Source Well
MW-6B	572042.38	4629780.5	39-100	100	Standard MW	LTM	Onsite Deep Bedrock/Source Well
MW-7R*	571790.75	4629797	28-180	180	Active Extraction Well, GWETS Performance Well	Monthly - GWETS Performance / LTM	Onsite Deep Bedrock/Source Well
MW-8B	572249.41	4630989.19	48-100	100	Standard MW	LTM	Perimeter Monitoring Well
MW-9B	572016.88	4630545	95-145	145	Standard MW	LTM	Perimeter Monitoring Well
MW-10B	572734.6	4630604	24-100	100	Standard MW	LTM	Perimeter Monitoring Well
MW-11B	572126.19	4630011	49-181	181	Standard MW	LTM	Mid-Plume Monitoring Well
MW-11C	572125	4630007	47-220	220	Standard MW	LTM	Mid-Plume Monitoring Well
MW-12B	572234.19	4630222.41	17-200	200	Standard MW	LTM	Mid-Plume Monitoring Well
MW-13B	571312.94	4630103	78-200	200	Standard MW	NS	Perimeter Monitoring Well
MW-14B	572600.32	4630930.34	24-155	155	Standard MW	LTM	Perimeter Monitoring Well
MW-15B	571701.56	4630172.5	38-150	150	Standard MW	LTM	Mid-Plume Monitoring Well
MW-16	572083.65	4630265.75	73-93	93	Standard MW	LTM	Mid-Plume Monitoring Well

Prepared by: IM/LB
Checked by: NMB
Date: 5/21/2025

Table 5 - Site Monitoring Well Network

Well I.D.	X Coordinate	Y Coordinate	Screening Interval (ft bgs)	Total Well Depth (ft BGS)	Well Detail	Sampling Frequency	Expected Role of the Well
MW-17 - 1	572545.72	4630421.63	47-57	57	Flute Well	LTM	Mid-Plume Monitoring Well
MW-17 - 2			102.5-110	110		LTM	Mid-Plume Monitoring Well
MW-17 - 3			124-129	129		LTM	Mid-Plume Monitoring Well
MW-21 - 1	572596	4630042	42.75-48	48	Flute Well	LTM	Perimeter Monitoring Well
MW-21 - 2			67-69.5	69.5		LTM	Perimeter Monitoring Well
MW-21 - 4			121.5-124	124		LTM	Perimeter Monitoring Well
MW-21 - 5			142.5-145	145		LTM	Perimeter Monitoring Well
MW-21 - 6			160.5-163	163		LTM	Perimeter Monitoring Well

Notes:
ft bgs = feet below grade surface
* Packers Installed in 2022 for Remedial System Optimization Pilot Test (RSO PT) at following depths below Top of MW Casing : ERT-1 (125 ft), MW-5R (102 ft), and MW-7R (109 ft)
LTM = Long Term Monitoring Sampling every 15 months.

Prepared by: IM/LB
Checked by: NMB
Date: 5/21/2025

Table 6 - Groundwater Elevation Measurements - February 2024 and August 2024

Groundwater Elevation Measurements						
Monitoring Well I.D.	**Screened Zone (ft BTOC)**	**Top of Casing Elevation (ft AMSL)**	**Depth to Water (ft bTOC) February 2024**	**Groundwater Elevation (ft AMSL) February 2024**	**Depth to Water (ft bTOC) August 2024**	**Groundwater Elevation (ft AMSL) August 2024**
ERT-1	28-195	303.94	62.38	241.6	59.57	244.4
ERT-4	UNK-50	326.67	27.26	299.4	35.74	290.9
MW-1B	22-100	333.53	NM	NM	52.55	281.0
MW-4	11-21.5	329.21	3.91	325.3	15.41	313.8
MW-5B	19-36.2	325.3	25.71	299.6	32.65	292.7
MW-5R	13-125	313.63	69.11	244.5	69.99	243.6
MW-6B	39-100	323.95	NM	NM	76.95	247.0
MW-7R	28-180	314.3	72.84	241.5	79.02	235.3
MW-8B	48-100	159.68	NM	NM	31.28	128.4
MW-9B	95-145	248.21	NM	NM	18.27	229.9
MW-10B	24-100	225.64	NM	NM	28.38	197.3
MW-11B	49-181	281.72	32.06	249.7	34.95	246.8
MW-11C	47-220	284.58	NM	NM	36.95	247.6
MW-12B	17-200	258.2	9.02	249.2	11.72	246.5
MW-13B	78-200	221.93	NM	NM	NM	NM
MW-14B	24-155	156.67	NM	NM	6.34	150.3
MW-15B	38-150	244.89	11.31	233.6	10.77	234.1
MW-16	73-93	274.11	NM	NM	29.33	244.8
MW-17-1	47-57	241.92	NM	NM	7.15	234.8
MW-17-2	102.5-110	241.92	NM	NM	11.85	230.1
MW-17-3	124-129	241.92	NM	NM	11.87	230.1
MW-21-1	42.75-48	233.59	NM	NM	0.00	233.6
MW-21-2	67-69.5	233.59	NM	NM	0.00	233.6
MW-21-3	78	233.59	NM	NM	0.00	233.6
MW-21-4	121.5-124	233.59	NM	NM	0.00	233.6
MW-21-5	142.5-145	233.59	NM	NM	0.00	233.6
MW-21-6	160.5-163	233.59	NM	NM	0.00	233.6

Notes:

NM: Not Measured

FLUTE MW locations:

- MW-17-1, -2, and -3, MW-21-1, -2, -3, -4, -5, and -6
- FLUTE MW-21 is Artesian.

Prepared by: IM/LB
Checked by: NMB
Date: 5/21/2025

APPENDIX A

RSO Pilot Test Setup

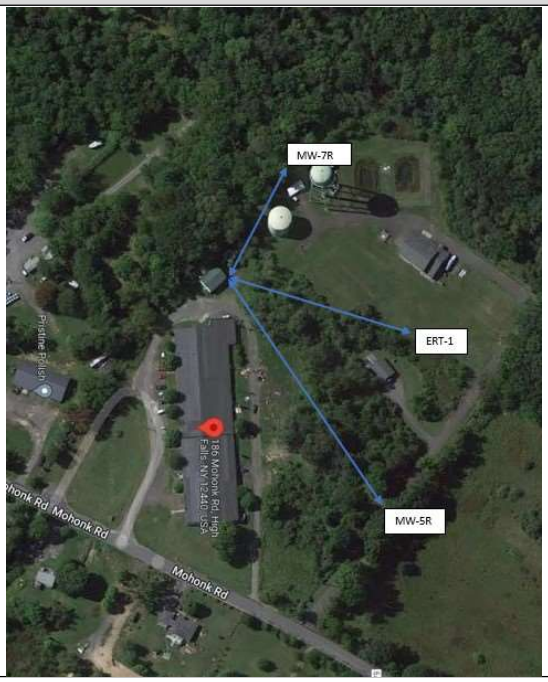
MOHONK ROAD INDUSTRIAL PLANT SITE NO. 356023
RSO PILOT TEST SETUP PHOTO LOG

RSO Pilot Test Setup Activities

Photo 1: Water Level Data Loggers installed 7/6/2022 (ERT-4, MW-4, MW-5B, MW-11B, MW-12B, MW-15B)



Photo 2: Brush Clearing and Trenching Routes For Electric and Nitrogen Lines Completed 7/14/22-8/17/22.



Created By: IM
Reviewed By: NMB

Photo 3: New Conduit, Electrical and Nitrogen Lines Terminating at MW-5R (Photo Taken after Panel Box Installation)



Photo 4: MW-5R Wellhead Before Upgrade



Photo 5: GWETS influent manifold. No modifications done to water lines during RSO.



Photo 6: ERT-1 Pump and Packer Optimization As-Built

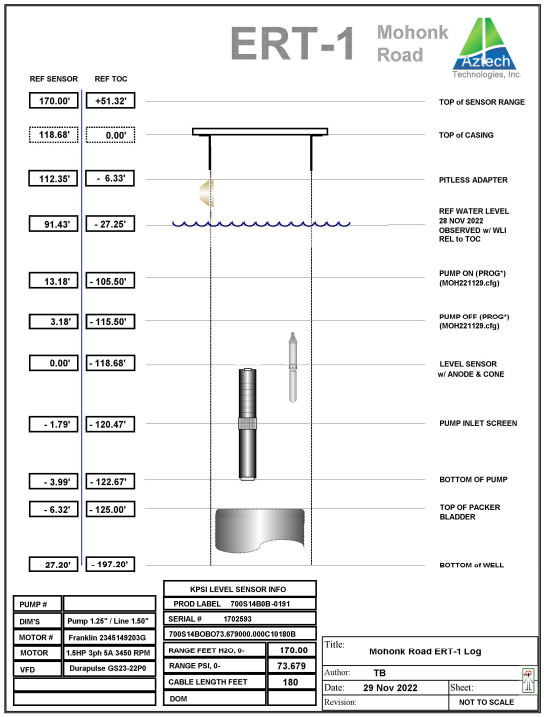


Photo 7: MW-5R Pump and Packer Optimization As-Built

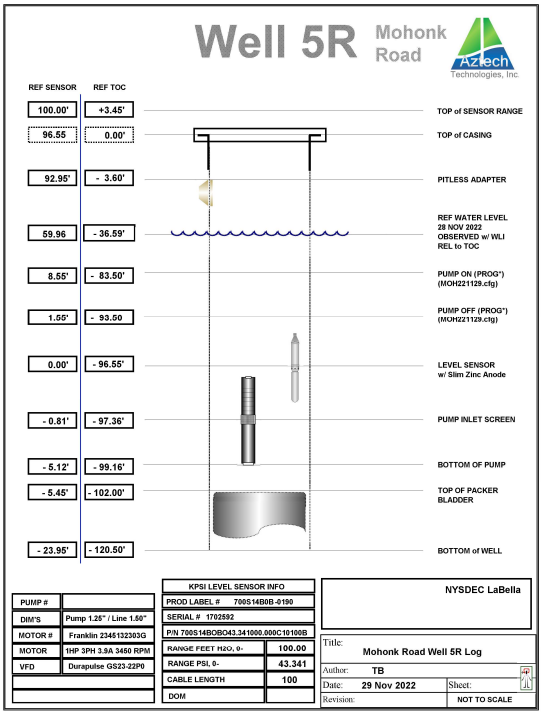


Photo 8: MW-7R Pump and Packer Optimization As-Built

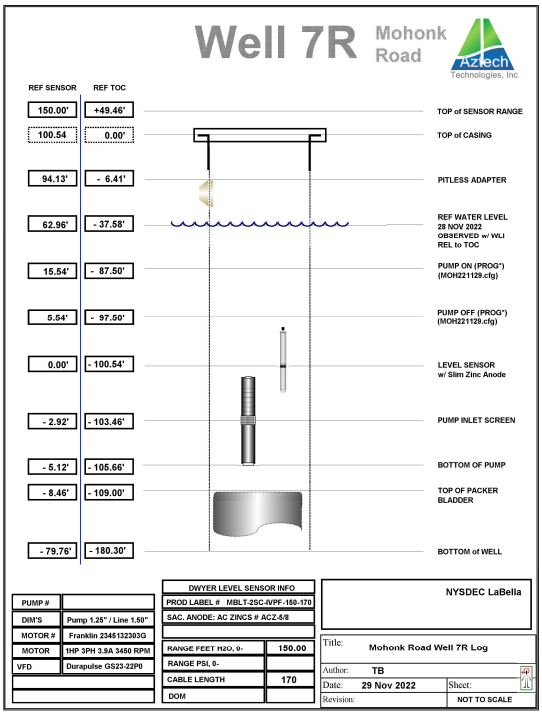


Photo 9: Centralized Nitrogen Source, Pressure Sensor and Manifold for Inflating the Packers.



Photo 10: Nitrogen Supply Manifold.



Photo 11: Wellhead Electrical Upgrade – New Panel Boxes (The same at 3 Locations)



Photo 12: Wellhead Electrical Upgrades – Panel Box Closeup (VFD – Bottom Left)



Photo 13: New System Component Programming and Testing

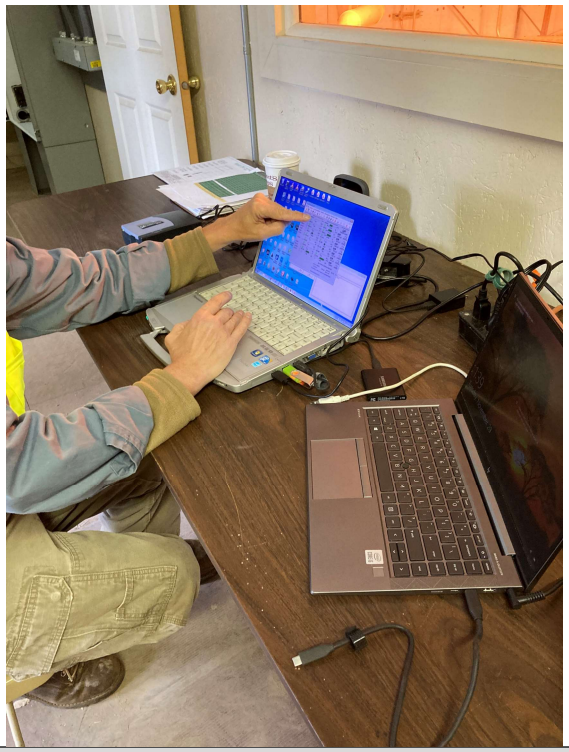


Photo 14: Pilot Test Monitoring Well Data Logger Data Collection



Photo 15: SVE Purge

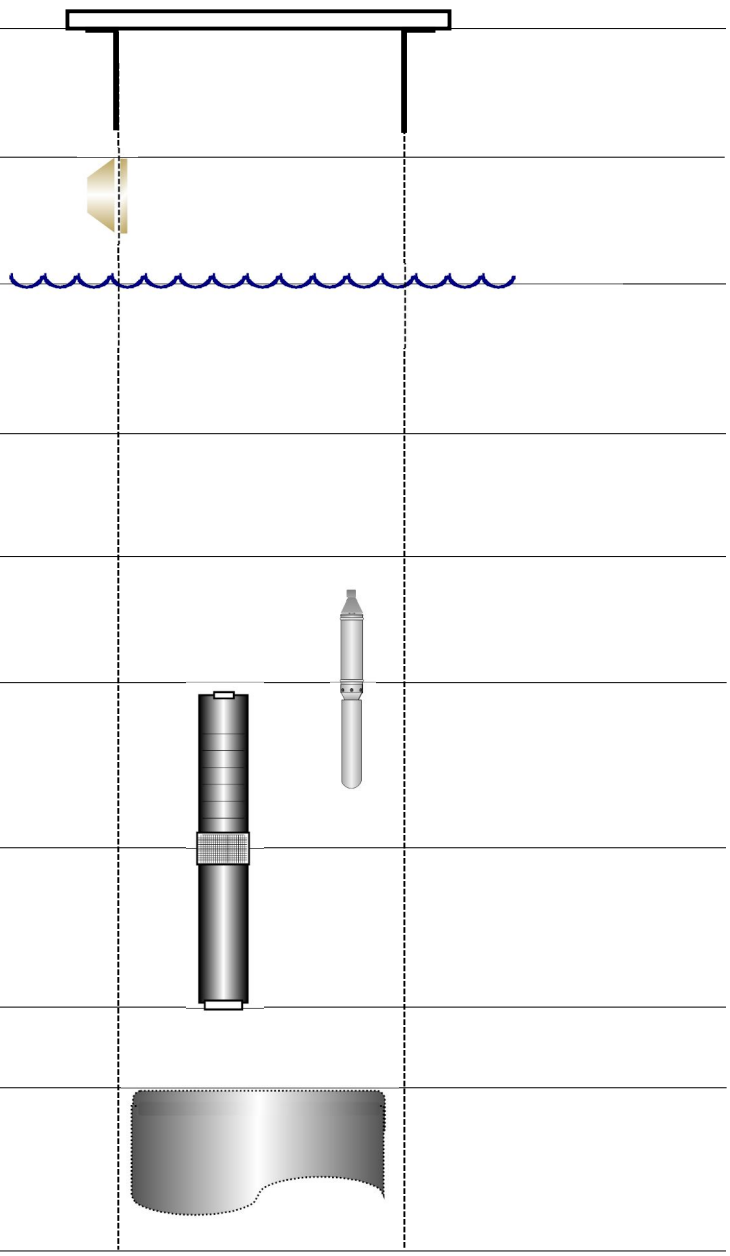


Photo 16: SVE Purge



ERT-1 Mohonk Road

Aztech Technologies, Inc.



REF SENSOR	REF TOC	
170.00'	+51.32'	TOP of SENSOR RANGE
118.68'	0.00'	TOP of CASING
112.35'	- 6.33'	PITLESS ADAPTER
91.43'	- 27.25'	REF WATER LEVEL 28 NOV 2022 OBSERVED w/ WLI REL to TOC
13.18'	- 105.50'	PUMP ON (PROG*) (MOH221129.cfg)
3.18'	- 115.50'	PUMP OFF (PROG*) (MOH221129.cfg)
0.00'	- 118.68'	LEVEL SENSOR w/ ANODE & CONE
- 1.79'	- 120.47'	PUMP INLET SCREEN
- 3.99'	- 122.67'	BOTTOM OF PUMP
- 6.32'	- 125.00'	TOP OF PACKER BLADDER
- 27.20'	- 197.20'	BOTTOM of WELL

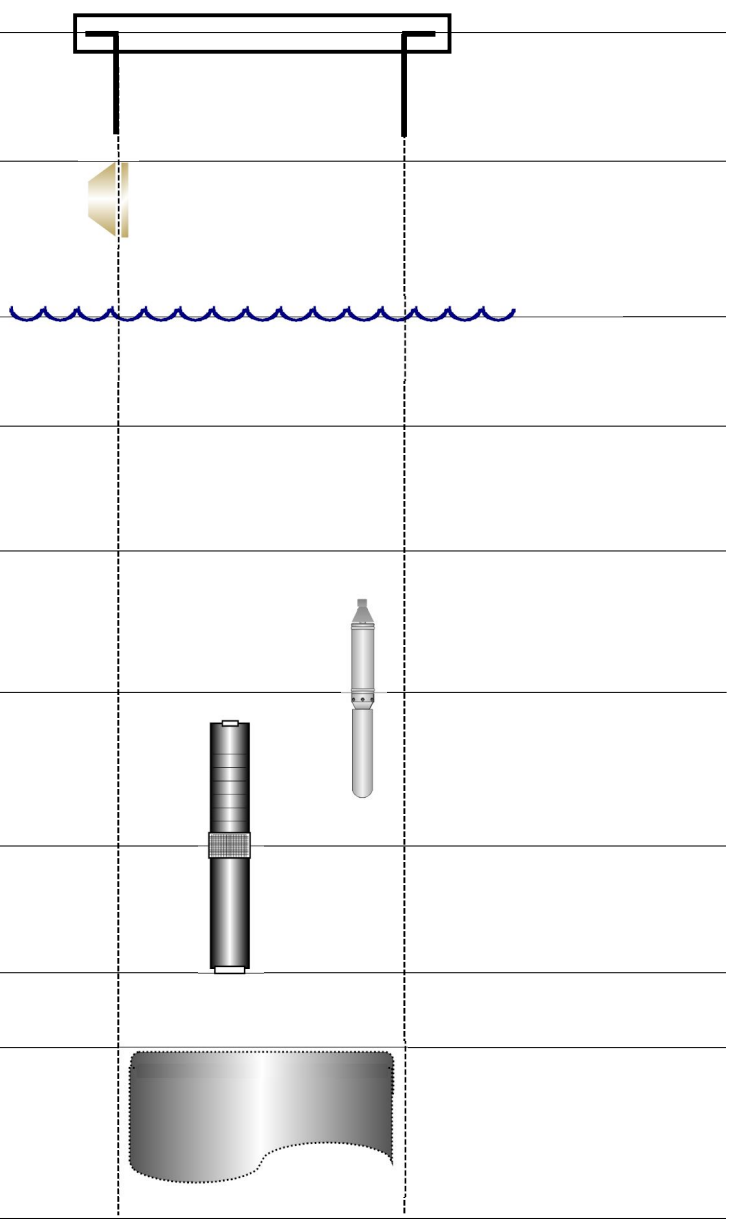
PUMP #	
DIM'S	Pump 1.25" / Line 1.50"
MOTOR #	Franklin 2345149203G
MOTOR	1.5HP 3ph 5A 3450 RPM
VFD	Durapulse GS23-22P0

KPSI LEVEL SENSOR INFO	
PROD LABEL 700S14B0B-0191	
SERIAL # 1702593	
700S14BOBO73.679000.000C10180B	
RANGE FEET H2O, 0-	170.00
RANGE PSI, 0-	73.679
CABLE LENGTH FEET	180
DOM	

Title:	Mohonk Road ERT-1 Log	
Author:	TB	
Date:	29 Nov 2022	Sheet:
Revision:		NOT TO SCALE

Well 5R Mohonk Road

Aztech Technologies, Inc.



REF SENSOR	REF TOC	
100.00'	+3.45'	TOP of SENSOR RANGE
96.55	0.00'	TOP of CASING
92.95'	- 3.60'	PITLESS ADAPTER
59.96	- 36.59'	REF WATER LEVEL 28 NOV 2022 OBSERVED w/ WLI REL to TOC
8.55'	- 83.50'	PUMP ON (PROG*) (MOH221129.cfg)
1.55'	- 93.50	PUMP OFF (PROG*) (MOH221129.cfg)
0.00'	- 96.55'	LEVEL SENSOR w/ Slim Zinc Anode
- 0.81'	- 97.36'	PUMP INLET SCREEN
- 5.12'	- 99.16'	BOTTOM OF PUMP
- 5.45'	- 102.00'	TOP OF PACKER BLADDER
- 23.95'	- 120.50'	BOTTOM of WELL

PUMP #	
DIM'S	Pump 1.25" / Line 1.50"
MOTOR #	Franklin 2345132303G
MOTOR	1HP 3PH 3.9A 3450 RPM
VFD	Durapulse GS23-22P0

KPSI LEVEL SENSOR INFO	
PROD LABEL # 700S14B0B-0190	
SERIAL # 1702592	
P/N 700S14BOBO43.341000.000C10100B	
RANGE FEET H2O, 0-	100.00
RANGE PSI, 0-	43.341
CABLE LENGTH	100
DOM	

NYSDEC LaBella

Title: **Mohonk Road Well 5R Log**

Author: **TB**

Date: **29 Nov 2022**

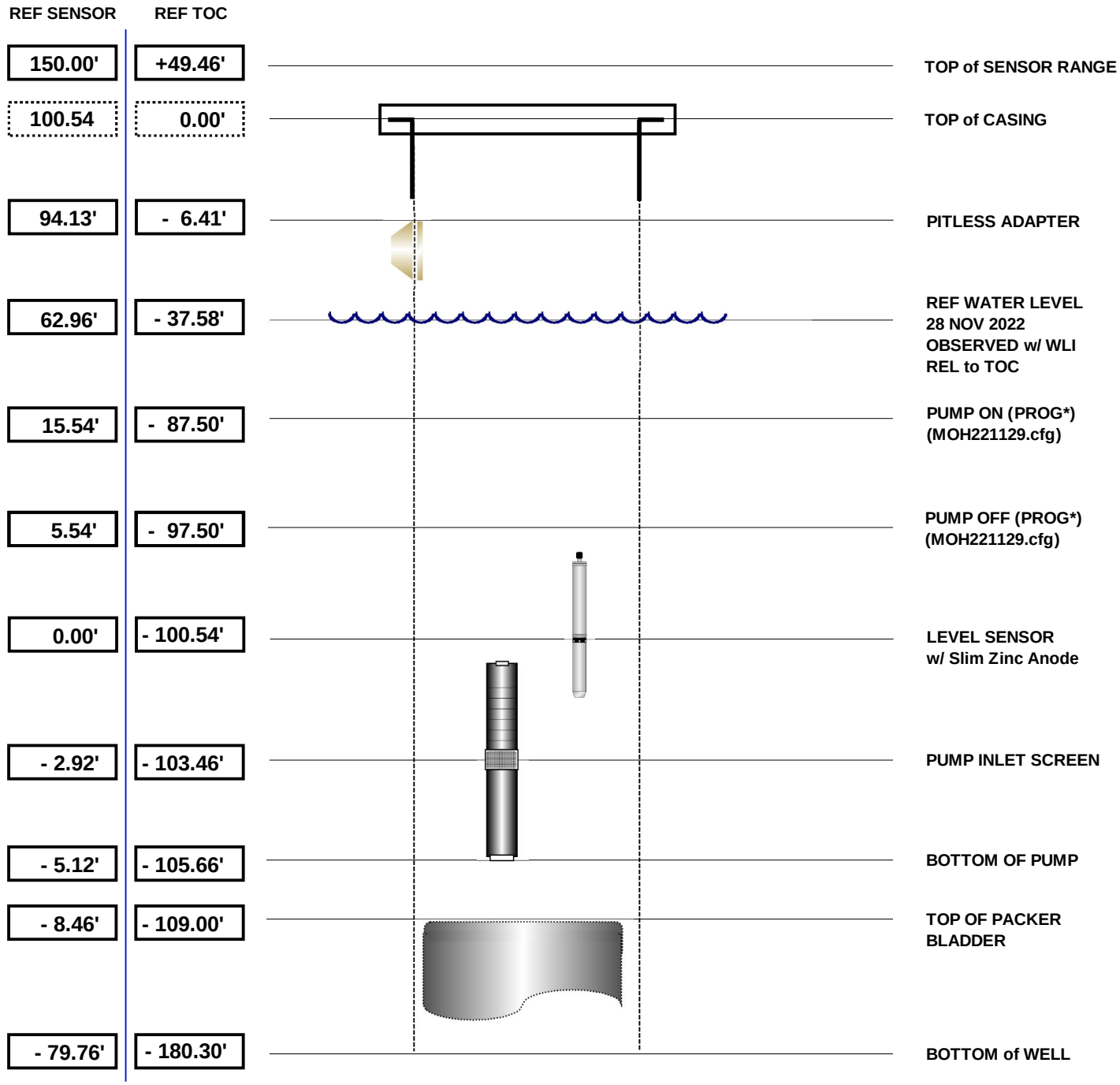
Sheet:

Revision:

NOT TO SCALE

Well 7R Mohonk Road

Aztech Technologies, Inc.



PUMP #	
DIM'S	Pump 1.25" / Line 1.50"
MOTOR #	Franklin 2345132303G
MOTOR	1HP 3PH 3.9A 3450 RPM
VFD	Durapulse GS23-22P0

DWYER LEVEL SENSOR INFO	
PROD LABEL # MBLT-2SC-IVPF-150-170	
SAC. ANODE: AC ZINCS # ACZ-5/8	
RANGE FEET H2O, 0-	150.00
RANGE PSI, 0-	
CABLE LENGTH	170
DOM	

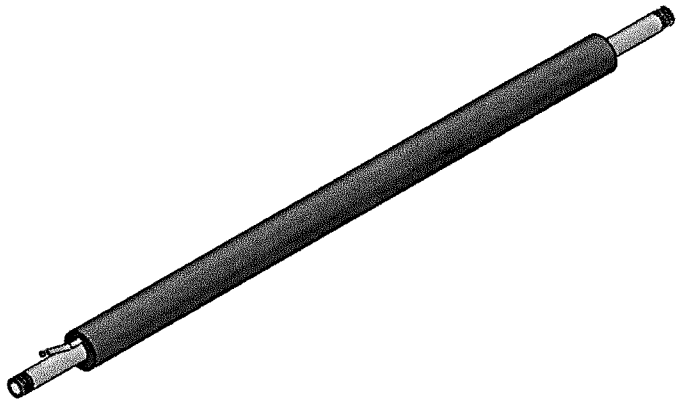
NYSDEC LaBella

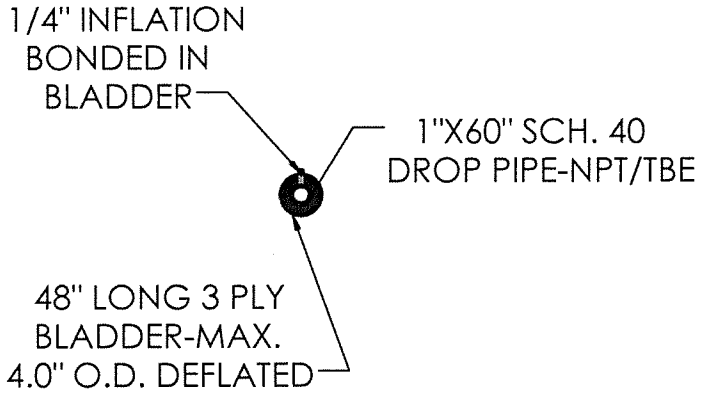
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Author:	TB
Date:	29 Nov 2022
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Revision:	NOT TO SCALE

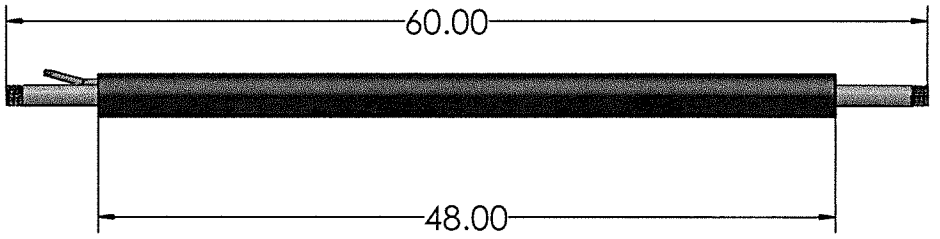
WWW.LANSAS.COM
800-452-4902

999-04: 6" WELL PACKER

REQUIRED INFLATION: 100 PSI
MAXIMUM BACK/TEST PRESSURE: 50 PSI
(1) 1/4" INFLATION BONDED INTO BLADDER
BLADDER: 3 PLY FABRIC REINFORCED
NATURAL RUBBER.







Lansas®

DRAWN BY: DAVID G.
DATE: 06/18/2019

APPROVED BY: NICK B.
DATE: 06/18/2019

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SAFETY FIRST: ALL PLUGS MUST BE BLOCKED AND BRACED IN PLACE

DRAWING NUMBER/DESCRIPTION:
999-06 KTM

APPENDIX B

Site Management Forms

FIELD INSTRUMENT CALIBRATION RECORD

PROJECT NAME: _____ TASK NO: _____ DATE: _____
PROJECT NUMBER: _____ MACTEC CREW: _____
PROJECT LOCATION: _____ SAMPLER NAME: _____
WEATHER CONDITIONS (AM): _____ SAMPLER SIGNATURE: _____
WEATHER CONDITIONS (PM): _____ CHECKED BY: _____ DATE: _____

MULTI-PARAMETER WATER QUALITY METER

METER TYPE _____
MODEL NO. _____
UNIT ID NO. _____

AM CALIBRATION
Start Time _____/End Time_____

POST CALIBRATION CHECK
Start Time _____/End Time_____

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4.0		+/- 0.1 pH Units			
pH (7)	SU	7.0		+/- 0.1 pH Units	7.0		+/- 0.3 pH Units
pH (10)	SU	10.0		+/- 0.1 pH Units			
Redox	+/- mV	240		+/- 10 mV	240		+/- 10 mV
Conductivity	mS/cm	1.413		+/- 0.5 % of standard	1.413		+/- 5% of standard
DO (saturated)	%	100		+/- 2% of standard			
DO (saturated)	mg/L[1] (see Chart 1)			+/- 0.2 mg/L			+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L			
Temperature	°C						
Baro. Press.	mmHg						

TURBIDITY METER

METER TYPE _____
MODEL NO. _____
UNIT ID NO. _____

	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard	NTU	<0.1		<0.1		+/- 0.3 NTU of stan.
20 Standard	NTU	20		20		+/- 5% of standard
100 Standard	NTU	100		100		+/- 5% of standard
800 Standard	NTU	800		800		+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE _____
MODEL NO. _____
UNIT ID NO. _____

Background	ppmv	<0.1		<0.1		within 5 ppmv of BG
Span Gas	ppmv	100		100		+/- 10% of standard

O_2-LEL 4 GAS METER

METER TYPE _____
MODEL NO. _____
UNIT ID NO. _____

Methane	%	50		50		+/- 10% of standard
O_2	%	20.9		20.9		+/- 10% of standard
H_2S	ppmv	25		25		+/- 10% of standard
CO	ppmv	50		50		+/- 10% of standard

OTHER METER

METER TYPE _____
MODEL NO. _____
UNIT ID NO. _____

See Notes Below for Additional Information

☐ Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
☐ Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

		Cal. Standard Lot Number	Exp. Date
		pH (4)	
Deionized Water Source:	Portland FOS	pH (7)	
Lot#/Date Produced:		pH (10)	
Trip Blank Source:	Laboratory provided	ORP	
Sample Preservatives Source:	Laboratory provided	Conductivity	
Disposable Filter Type:	in-line 0.45µm cellulose	<0.1 Turb. Stan.	
Calibration Fluids / Standard Source:		20 Turb. Stan.	
- DO Calibration Fluid (<0.1 mg/L)	Portland FOS	100 Turb. Stan.	
- Other		800 Turb. Stan.	
- Other		PID Span Gas	
- Other		O_2-LEL Span Gas	
		Other	

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additonal acceptance criteria obtained from instrument specific manufacturer recommendations.
** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

MACTEC
511 Congress Street, Portland Maine 04101

FIELD INSTRUMENT CALIBRATION RECORD

LOW FLOW GROUNDWATER SAMPLING RECORD

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
PROJECT NUMBER		START TIME	END TIME
SAMPLE ID	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE OF

WELL DIAMETER (IN.) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

INITIAL DTW (BMP)	FT	**FINAL DTW (BMP)**	FT	**PROT. CASING STICKUP (AGS)**	FT	**TOC/TOR DIFFERENCE**	FT
WELL DEPTH (BMP)	FT	**SCREEN INTERVAL**	FT	**PID AMBIENT AIR**	NA PPM	**REFILL TIMER SETTING**	NA SEC
WATER COLUMN	FT	**DRAWDOWN VOLUME** (final DTW- initial DTW X well diam. squared X 0.041)	GAL	**PID WELL MOUTH**	NA PPM	**DISCHARGE TIMER SETTING**	NA SEC
CALCULATED GAL/VOL (water column X well diameter^2 X 0.041)	GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	GAL	**DRAWDOWN/ TOTAL PURGED**		**PRESSURE TO PUMP**	NA PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (^{o}C) ±3%	SP. CONDUCTANCE (mS/cm) ±3%	DISS. O_2 (mg/L) ±10% or 3 values <0.5 mg/L	pH (units) ±0.1	REDOX (mv) ±10 mv	TURBIDITY (ntu) ±10% or <10 ntu	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)										

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

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☐ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER _____
- ☐ WATTERA
- ☐ OTHER _____
- ☐ OTHER _____

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

TUBING/PUMP/BLADDER MATERIALS
- ☐ SILICON TUBING
- ☐ HDPE TUBING
- ☐ LDPE TUBING
- ☐ OTHER _____
- ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ OTHER _____
- ☐ OTHER _____
- ☐ OTHER _____

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

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
☐							
☐							
☐							
☐							
☐							
☐							
☐							
☐							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES ☐ NO ☐

NO-PURGE METHOD UTILIZED — YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

NOTES

Sampler Signature: Print Name:

Checked By: Date:

DEVIATIONS FROM THE WORK PLAN

REV. 3/29/2019

SVE Source Area Mass Removal Field Data Record

Site Name/Location:

Inspection Date/Initials:

Reviewed By/Date:

SVE Well Location ID	Description of Weather Conditions	Measurement Reference Point Marked (Y/N)	Measurement Reference Point (TOC or TOR?)	Depth to Water (ft.)	Depth to BOW (ft.)	Volume Purged until Dry (gallons)	Groundwater Level Recovery following Purging (Y/N). If Yes, (ft./min)	Quarterly Sampling of SVE Wells Completed (SVE 19, 21, or 22) (Y/N)	Purge Water Containerized and Treated (Y/N)	Comments

Notes:

SVE= Soil Vapor Extraction Well
ft. = feet
min = minute
TOC = top of casing
TOR = top of riser
BOW = bottom of well

GRAB SAMPLING RECORD - WATER

MACTEC

511 Congress Street
Suite 200
Portland, Maine 04101

PROJECT NAME		LOCATION ID	DATE
PROJECT NUMBER		START TIME	END TIME
SAMPLE ID	SAMPLE TIME	SITE NAME/INSTALLATION	PAGE OF

SAMPLE TYPE: ☐ GROUNDWATER ☐ SURFACE WATER ☐ STORM WATER ☐ DRINKING WATER ☐ PORE WATER ☐ OTHER: _____

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

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

FINAL STABILIZED FIELD PARAMETERS (rounded to appropriate significant figures)						

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

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☐ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER _____
- ☐ PDB
- ☐ HYDRASLEEVE _____
- ☐ OTHER _____

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

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

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

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	ANALYTE LIST	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	QC COLLECTED
☐							
☐							
☐							
☐							
☐							
☐							
☐							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☐
NO-PURGE METHOD UTILIZED	☐	☐

NUMBER OF GALLONS GENERATED _____

NOTES:

Sampler Signature: Print Name:

Checked By: Date:

DEVIATIONS FROM THE WORK PLAN:

Water Level Monitoring Field Data Record

Site Name/Location:

Inspection Date/Initials:

Reviewed By/Date:

Location ID	Measuring Point Elevation (ft. above msl)	Measurement Reference Point Marked (Y/N)	Protective Casing Stickup (ft.)	TOC-TOR Difference (ft.)	Depth to Water (ft.)	Depth to BOW (ft.)	Well ID Clearly Labeled (Y/N)	Guard Posts (G/F/P)	Well Lock/Cap (G/F/P)	Protective Casing (G/F/P)	Water in Annular Space (Y/N)	Concrete Pad (G/F/P)	Well Riser/Cap (G/F/P)	Well Obstruction (Y/N)	Comments

Notes:

MW= Monitoring Well
msl = mean sea level
ft. = feet
TOC = top of casing

TOR = top of riser
F = Fair
G = Good
N = No
P = Poor
Y = yes

Poor or notable observations require input into "Comments"
in. = inches
BOW = bottom of well

GREEN REMEDIATION

Summary of Green Remediation Metrics for Site Management

Site Name: _____Site Code: _____
Address: _____City: _____
State: _____ Zip Code: _____County: _____

Initial Report Period (Start Date of period covered by the Initial Report submittal)
Start Date: _____

Current Reporting Period
Reporting Period From: _____To: _____

Contact Information
Preparer's Name: _____ Phone No.: _____
Preparer's Affiliation: _____

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	**Total to Date**
Fuel Type 1 (e.g. natural gas (cf))		
Fuel Type 2 (e.g. fuel oil, propane (gals))		
Electricity (kWh)		
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)		
Other energy sources (e.g. geothermal, solar thermal (Btu))		

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	**Total to Date (tons)**
Total waste generated on-site		
OM&M generated waste		
Of that total amount, provide quantity:		
Transported off-site to landfills		
Transported off-site to other disposal facilities		
Transported off-site for recycling/reuse		
Reused on-site		

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	**Total to Date (miles)**
Standby Engineer/Contractor		
Laboratory Courier/Delivery Service		
Waste Removal/Hauling		

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	**Total to Date (gallons)**
Total quantity of water used on-site		
Of that total amount, provide quantity:		
Public potable water supply usage		
Surface water usage		
On-site groundwater usage		
Collected or diverted storm water usage		

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	**Total to Date (acres)**
Land disturbed		
Land restored		

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage:
Waste Generation:
Transportation/Shipping:
Water usage:
Land Use and Ecosystems:
Other:

CONTRACTOR CERTIFICATION
I, _____ (**Name**) do hereby certify that I am _____ (**Title**) of _____ (**Contractor Name**), which is responsible for the work documented on this form. According to my knowledge and belief, all of the information provided in this form is accurate and the site management program complies with the DER-10, DER-31, and CP-49 policies. _____ **Date** **Contractor**

OM&M FORMS

MACTEC	**Site Name:** NYSDEC – Mohonk Road Industrial Plant **Project: 7772210116.03.01**	
Address:	186 Mohonk Road High Falls NY 12440	**Door Code:** 2-4-6-8
Site Owner/Contact:	NYSDEC – Charles Gregory 518-402-9813	
Task Requested	**Monthly O&M / Sampling 2024** **Quarterly SVE Well Sampling 2024**	
Task To Be Completed By:	1 Foreman and 3 Tech – One 8 hr day. OT must be pre-approved	

HAS Overview:

1. Review site specific health and safety sheet. Identify all typical and new potential hazards. Sign into site using sign in sheet in treatment room.
2. Conduct tailgate safety meeting. Make sure all contractors and sub-contractors onsite sign the daily health and safety form. This includes all over site personnel (i.e. DEC, Engineering Firms, Etc…) **Return to PM, signed.**
3. Wear all necessary PPE when performing tasks onsite. This shall include but not be limited to: gloves, eye protection, hearing protection, and fall protection when working at elevations great than 6'.
4. **Bring a first aid kit**. Take precautions to avoid poison ivy and ticks at this site, as they are prevalent in the area.

SVE Well Purge (Monthly): Completed by: .

- Bring all need materials from treatment shed to SVE wells MW-19, MW-21, and MW-22:
  1. 3 dedicated whale pumps hanging in treatment room.
  2. 1 55-gallon drum
  3. 2 5-gallon buckets
  4. 3 marine batteries or 50ft lead cord for use of truck battery.
  5. Clipboard with Purge table
- Gauge each well using interface probe before beginning purge.
- Begin purging each well into a 5-gallon bucket record each full bucket then dump into 55-gallon drum until well is dry.
- Check to see if this event is for quarterly SVE sampling if yes, follow instructions below for sampling.
- Once well is dry record Depth to water using interface probe at 0 minutes, then every 30 minutes for 4 hours on the table provided for each individual well.
- **Return the tabled data to Isaac Moser by end of day.**

SVE Well Sampling and YSI readings (Quarterly): Completed by: .

- Materials needed from shop:
  1. Small cooler with Glassware
  2. Horiba (calibrated)
  3. Ice
- Check to make sure Horiba has been calibrated.
- During purge of each SVE well pump well until dry, then using water pumped into the final 5 gallon bucket collect Horiba reading and samples (see sample list below and COC). (Make sure there is enough water.)
- Then record amount of water in the last bucket for final volume pumped before dumping into drum.
- Repeat for each well.
- Send samples to Alpha Analytical. **Lab Address: 8 Walkup Drive, Westborough, MA 01581**

Location	Number of Bottles	Analysis Test
SVE-19	3 – HCL VOAs	8260 VOCs Full List
SVE-21	3 – HCL VOAs	8260 VOCs Full List
SVE-22	3 – HCL VOAs	8260 VOCs Full List

Data Logging and Well Gauging (Monthly): Completed by: .

- Bring materials from shop and Treatment shed:
    1. Keys for MW-12B and MW-15B
    2. Interface probe
    3. Data logger
    4. Clipboard with Data table
    5. Site Maps
    6. Flagging tape if needed
- Get data and physical water levels for each of the 6 wells: ERT-4, MW-4, MW5B, MW-11B, MW-12B, MW-15B.
- Check labels on each well and touch up.
- Starting with the cluster on the map of MW-4, MW-5B and ERT-4 take reading of depth to water using interface probe and record on table.
- Remove desiccant tube from transducer line and connect data logger to wire and power on.
- Open Vusitu on cell phone/device then connect data logger.
- Once connected download all data and save file by creating a new folder and labeling it with collection date.
- Disconnect from the app and then remove the data logger and replace the desiccant tube back on the wire.
- Repeat this process for each well.
- Once back to the shop email files to IM.

System Sampling (Monthly):

- Bring materials:
- Large Cooler with Bottles and glassware
- Ice
- Count to make sure all bottles are there.
- Using gloves sample from each of the locations starting with effluent (cleanest) to Combined influent (dirtiest).
- Do not washout Acid from bottles.

Contact Alpha Office 508-898-9220 if any questions or concerns on the sampling bottles.

Alpah PM is Nathalie Lewis.

Location	Number of Bottles	Analysis Test
7R	7	See COC
ERT-1	7	See COC
5R	7	See COC
Combined Influent	7	See COC
Effluent	7	See COC

System Check: (Bi-Weekly)

- Review site specific health and safety sheet. Identify all typical and new potential hazards. Sign into site using COVID-19 tracking sheet onsite. **Please return any full sign in sheets and start a new one to leave onsite.**
- Shovel if needed.
- Check all system conditions and provide notes recorded on system check sheet.
- Take all system readings and readings from the ProControl and record on the system check sheet including nitrogen pressure.
- Shut down system via ProControl and breaker.
- Drain influent lines into a bucket via the sample ports. Treat water through system. Close influent valves on both sides of the flow meter and disconnect flow meters using the true-union connection. Run a long brush through the flow meter from both ends to remove any possible scaling as needed.
- Reconnect union fittings and open valves all the way.
- Restart system.
- Set wells to setpoints listed on the system check sheet.
- Sweep/vacuum all floors and surfaces that need it. Wipe down surfaces, especially those with rodent droppings. Clean up plant. Remove ALL food waste/trash from treatment building!
- Check Effluent pH with strips onsite and record on the field log. Check with calibrated Horiba when possible.
- Walk the perimeter of the building that shares a parking lot with the plant and check the SSDS Fans. Fill out the SSDS Checklist on the back of the system log. Note any existing/potential issues.
- Test light on exit signs and mark on system check sheet. Check fire extinguishers.
- Check to make sure system is running before leaving and shut off all lights and lock door.

Tools / Equipment Required:

- Toolbox (to include at least: screwdrivers, pliers, hacksaw, hammer, flashlight, adjustable wrench, pipe wrenches, battery power tools etc.)
- Appropriate health and safety gear and H&S sheet/COVID-19 H&S log – return signed copy to
- System O&M Checklist
- Gloves (if needed leave a box onsite)
- VuSitu Data logger and data collection device.
- Interface probe
- Horiba (quarterly)
- Snow Shovel (if necessary)
- **Sample bottleware_ _____**

Requestor:	Please return notes to Isaac Moser

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	**pH**	**ORP mV**	**Sp. Cond. (mS/cm)**	**Turbidity (NTU)**	**DO mg/L**
Efflluent						
MW-7R						
ERT-1						
MW-5R						
Combined Influent						

SVE Purge Table						
Date:	**Data Collected By:**					
Well ID:	**MW-19**		**MW-21**		**MW-22**	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)						
Depth to Bottom (Dry)						
30 min						
1 hour						
1.5 hour						
2 hours						
2.5 hours						
3 hours						
3.5 hours						
4 hours						
Volume purged						
Samples Collected:						

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	**pH**	**ORP mV**	**Sp. Cond. (mS/cm)**	**Turbidity (NTU)**	**DO mg/L**
MW-19						
MW-21						
MW-22						

Level Logger Data Collection			
Well ID	**Measured DTW**	**Time**	**Notes**
ERT-4			
MW-4			
MW-5B			
MW-11B			
MW-12B			
MW-15B			

Mohonk Road - Groundwater Remediation System Checklist

Date: **Personnel Onsite Initials:**

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)		
(W7RFLO)		
(W5RFLO)		
Exterior of building checked and grounds maintained (weedwack, etc)		Y / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		
Redux remaining (in. from bottom)		
Nitrogen Pressure (in PSI)		

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	*Water Level (Procontrol)*
W5RLVL	
W7RLVL	
ER1LVL	
Location/ Input name	***Pressure (Procontrol)***
Transfer Pump (PREBAG)	
Air Stripper (AS_PRS)	
Discharge Pump (DSCPRS)	
Location	***Temp (Procontrol)***
Room (RM_TMP)	
Air Stripper (AS_TMP)	
Discharge Pump (H2OTMP)	
Location	***pH***
Effluent (EFF_PH)	
Effluent (Measured)	

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the “I/O Up” key until “ER1FLO” is on the display
iii. Press “Set Hi/Lo” key until “Totalizer” is displayed and record the value
iv. Once value is recorded, press “Set Hi/Lo” until “ER1FLO” is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

Mohonk Road - Additional Site Checklists

SSDS System Checklist

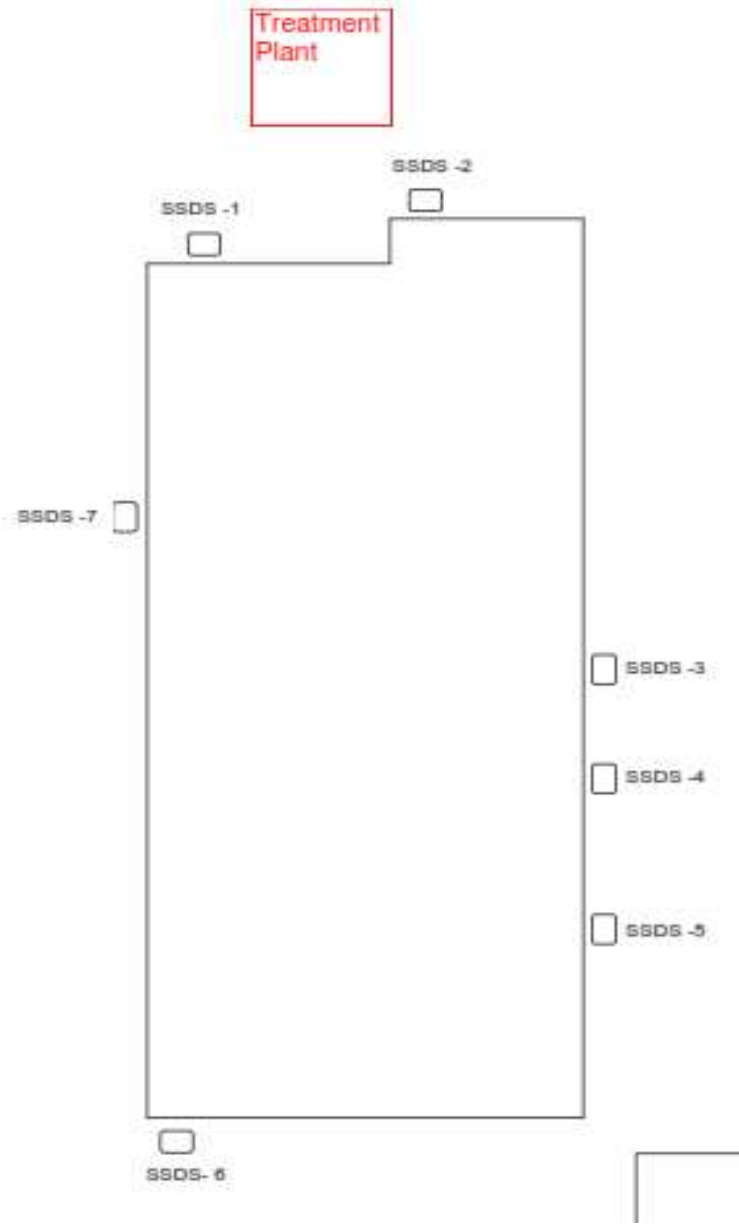
Date: _____

Fan	*On/Off*
1	
2	
3	
4	
5	
6	
7	

Fire Safety (Exit Sign) Checklist

Date: _____

Location	*Y/N*
Front Door	
Air Stripper Rm	
Back Door	



Notes/Vacuum

SSDS-1 -

SSDS-2 -

SSDS-3 -

SSDS-4 -

SSDS-5 -

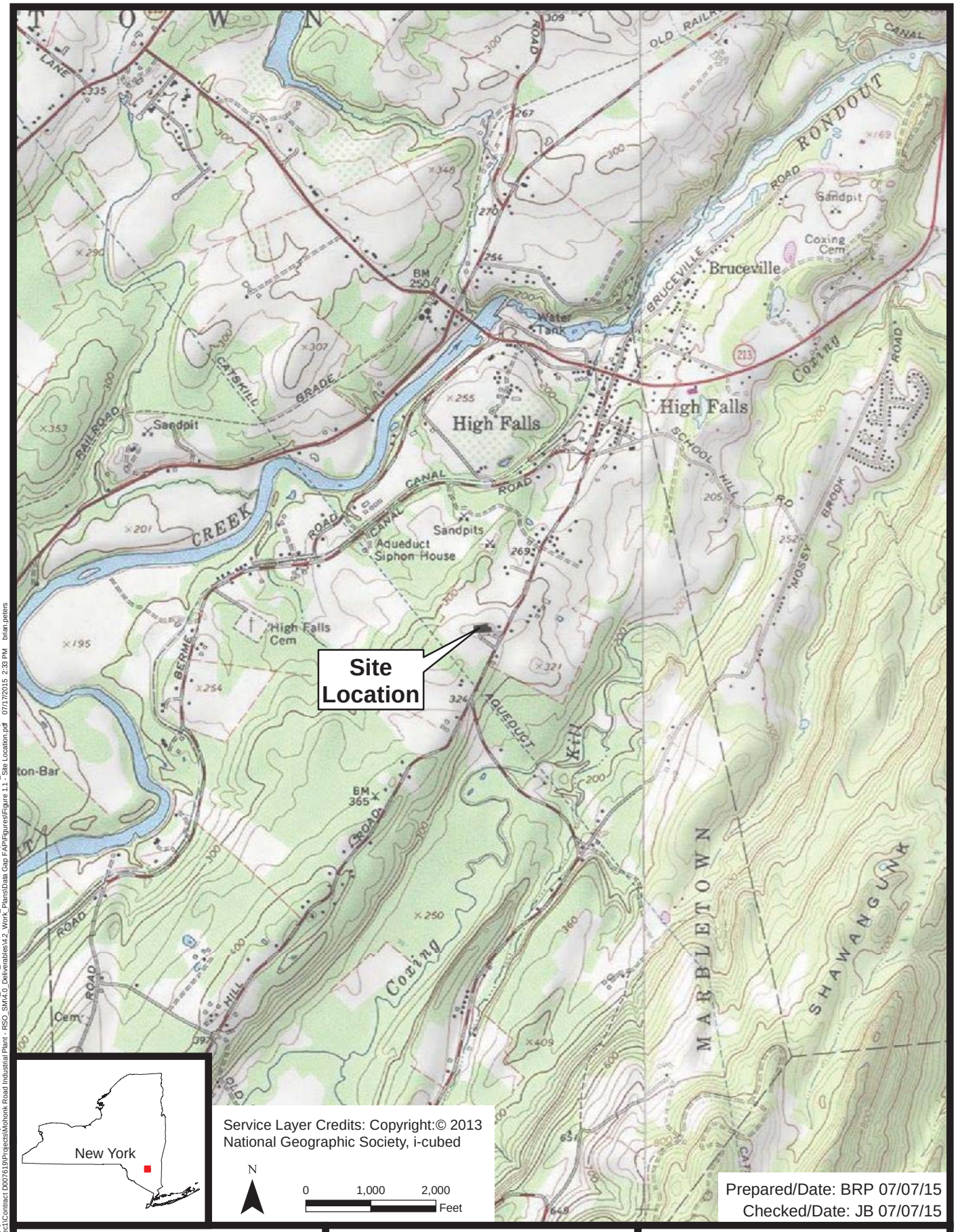
SSDS-6 -

SSDS-7 -

GeoLogic

MACTEC

SITE FIGURES AND MAPS



Prepared/Date: BRP 07/07/15
Checked/Date: JB 07/07/15

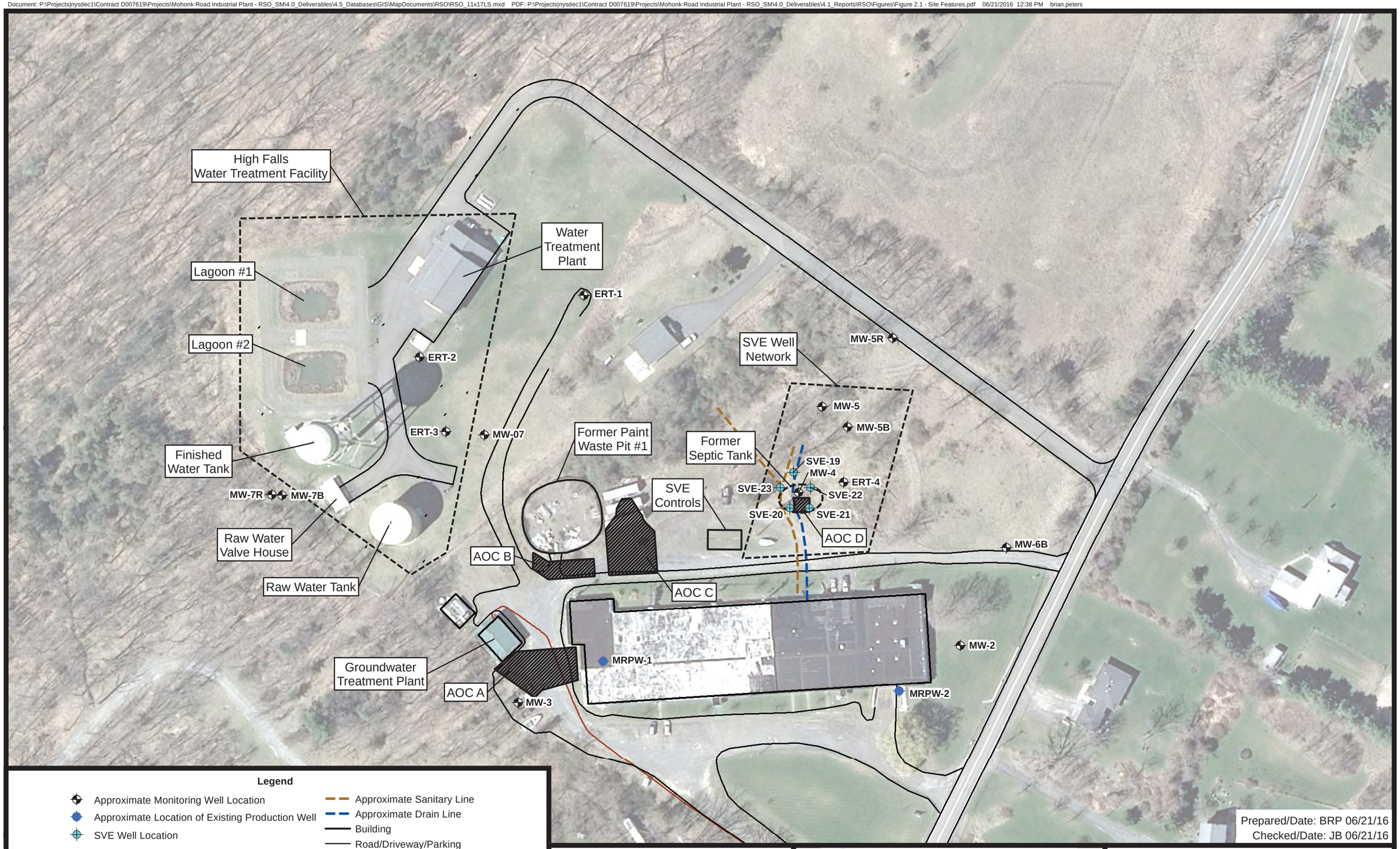
NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

MACTEC

Site Location Map

Project 3617157346 Figure 1.1

Document: P:\Projects\nysdec1\Contract D007619\Projects\Mohonk Road Industrial Plant - RSO_SM4.0_Deliverable\4\4.5_Databases\GIS\MapDocuments\Mohonk_SiteLocationMap.mxd
PDF: P:\Projects\nysdec1\Contract D007619\Projects\Mohonk Road Industrial Plant - RSO_SM4.0_Deliverables\4.2_Work_Plans\Data Gap FAP\Figures\Figure 1.1 - Site Location.pdf 07/17/2015 2:33 PM brian.peters



Legend

- Approximate Monitoring Well Location
- Approximate Location of Existing Production Well
- SVE Well Location
- Approximate Sanitary Line
- Approximate Drain Line
- Building
- Road/Driveway/Parking
- Treatment System Discharge

N

0 50 100 Feet

Ulster County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

Prepared/Date: BRP 06/21/16
Checked/Date: JB 06/21/16

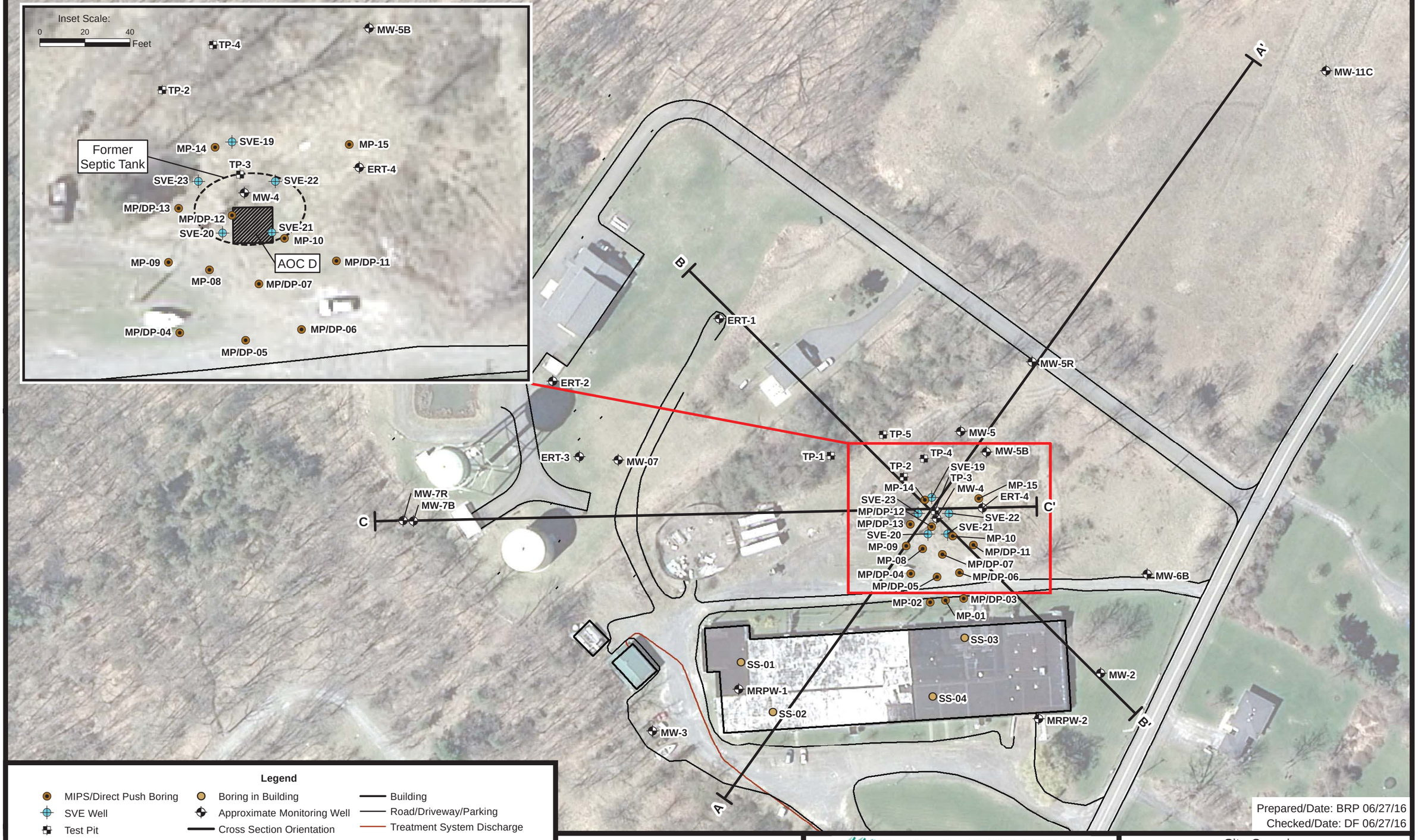
NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

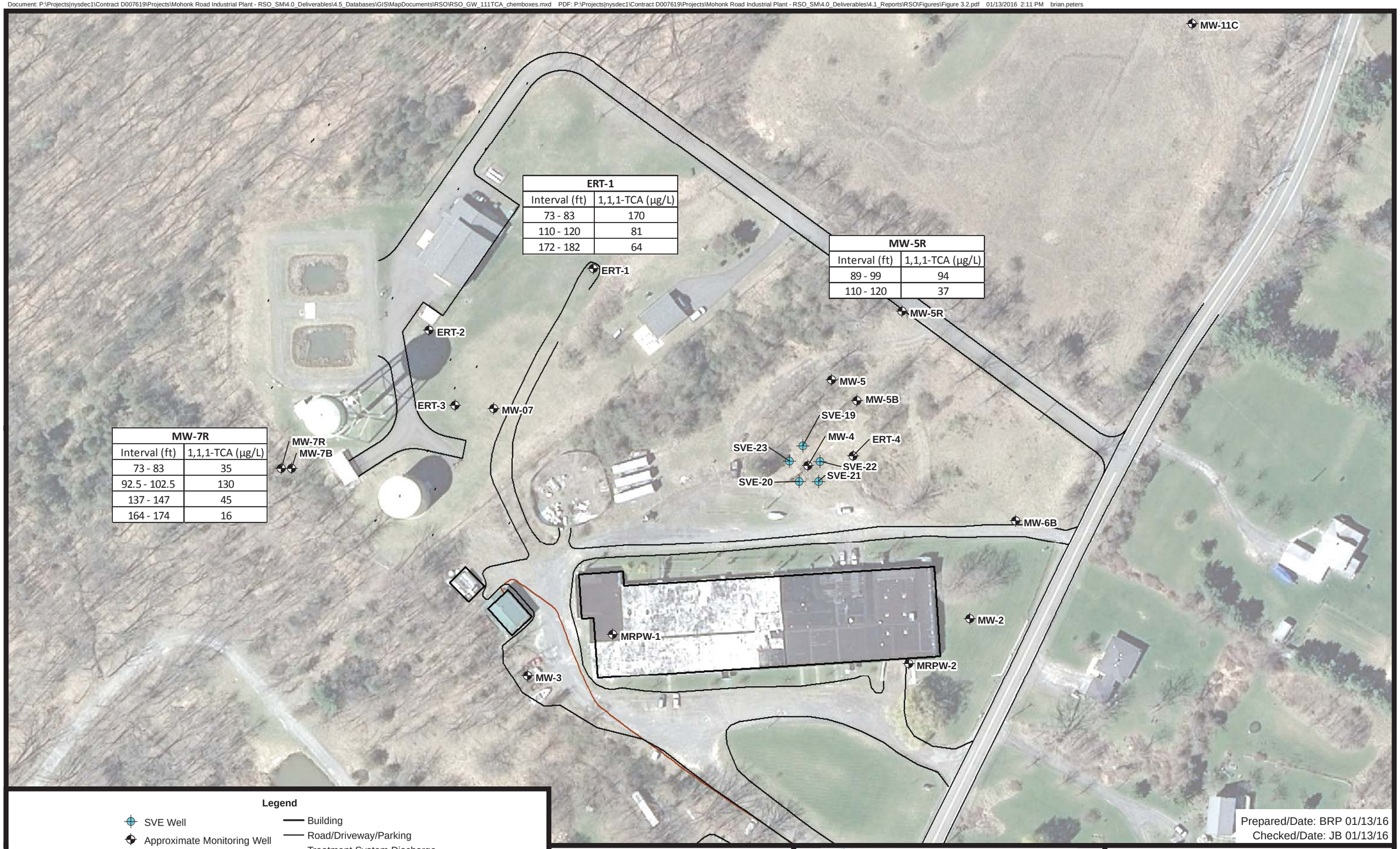
MACTEC

Site Features

Project 3617157346 Figure 2.1

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ERT-1	
Interval (ft)	1,1,1-TCA (µg/L)
73 - 83	170
110 - 120	81
172 - 182	64

MW-5R	
Interval (ft)	1,1,1-TCA (µg/L)
89 - 99	94
110 - 120	37

MW-7R	
Interval (ft)	1,1,1-TCA (µg/L)
73 - 83	35
92.5 - 102.5	130
137 - 147	45
164 - 174	16

Legend

- SVE Well
- Approximate Monitoring Well
- Building
- Road/Driveway/Parking
- Treatment System Discharge

N

0 50 100 Feet

Ulster County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

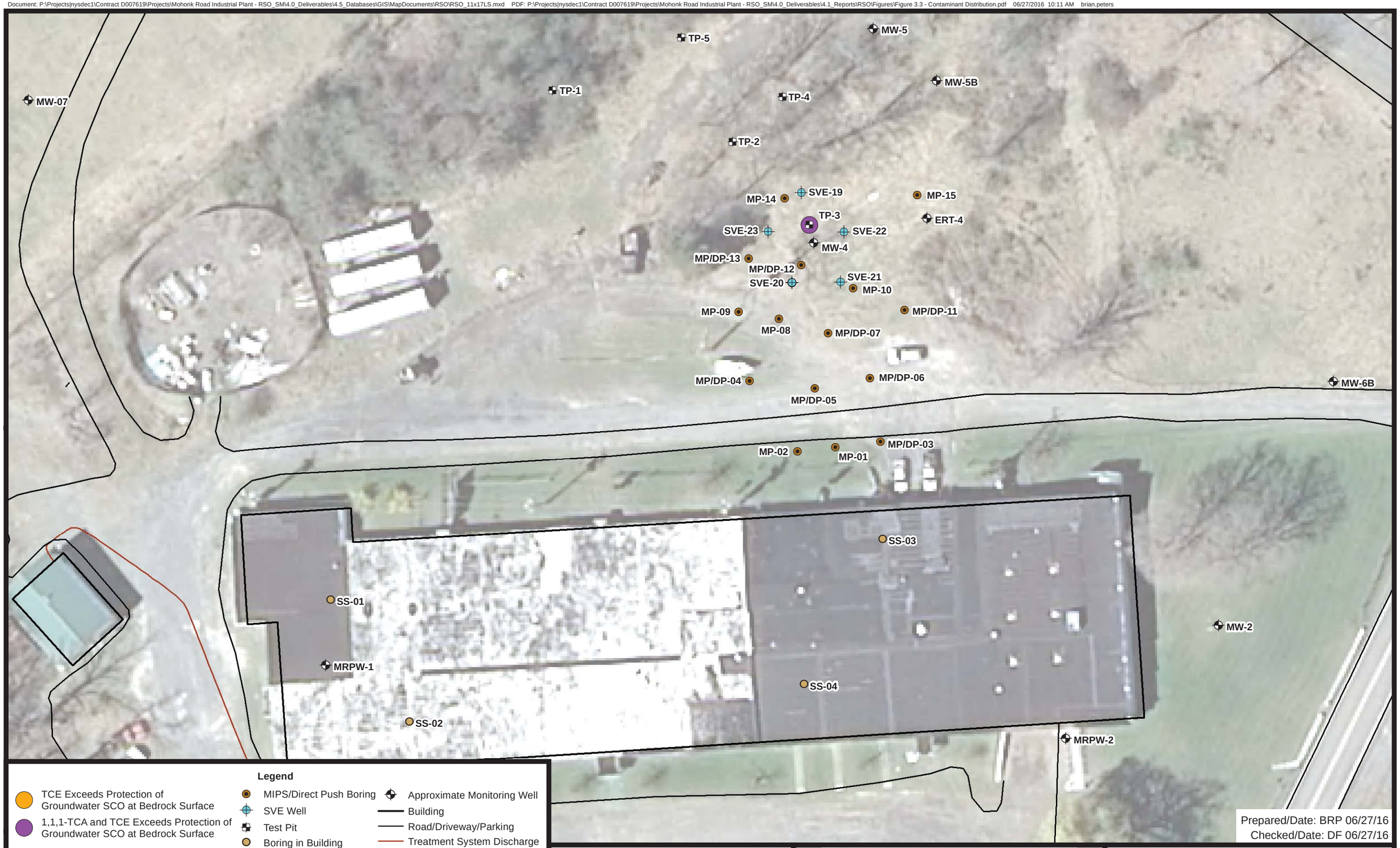
Prepared/Date: BRP 01/13/16
Checked/Date: JB 01/13/16

NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

MACTEC

Groundwater 1,1,1-TCA Distribution in Extraction Wells

Project 3617157346 Figure 3.2



Legend

- TCE Exceeds Protection of Groundwater SCO at Bedrock Surface
- 1,1,1-TCA and TCE Exceeds Protection of Groundwater SCO at Bedrock Surface
- MIPS/Direct Push Boring
- SVE Well
- Test Pit
- Boring in Building
- Approximate Monitoring Well
- Building
- Road/Driveway/Parking
- Treatment System Discharge

N

0 20 40 Feet

Ulster County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

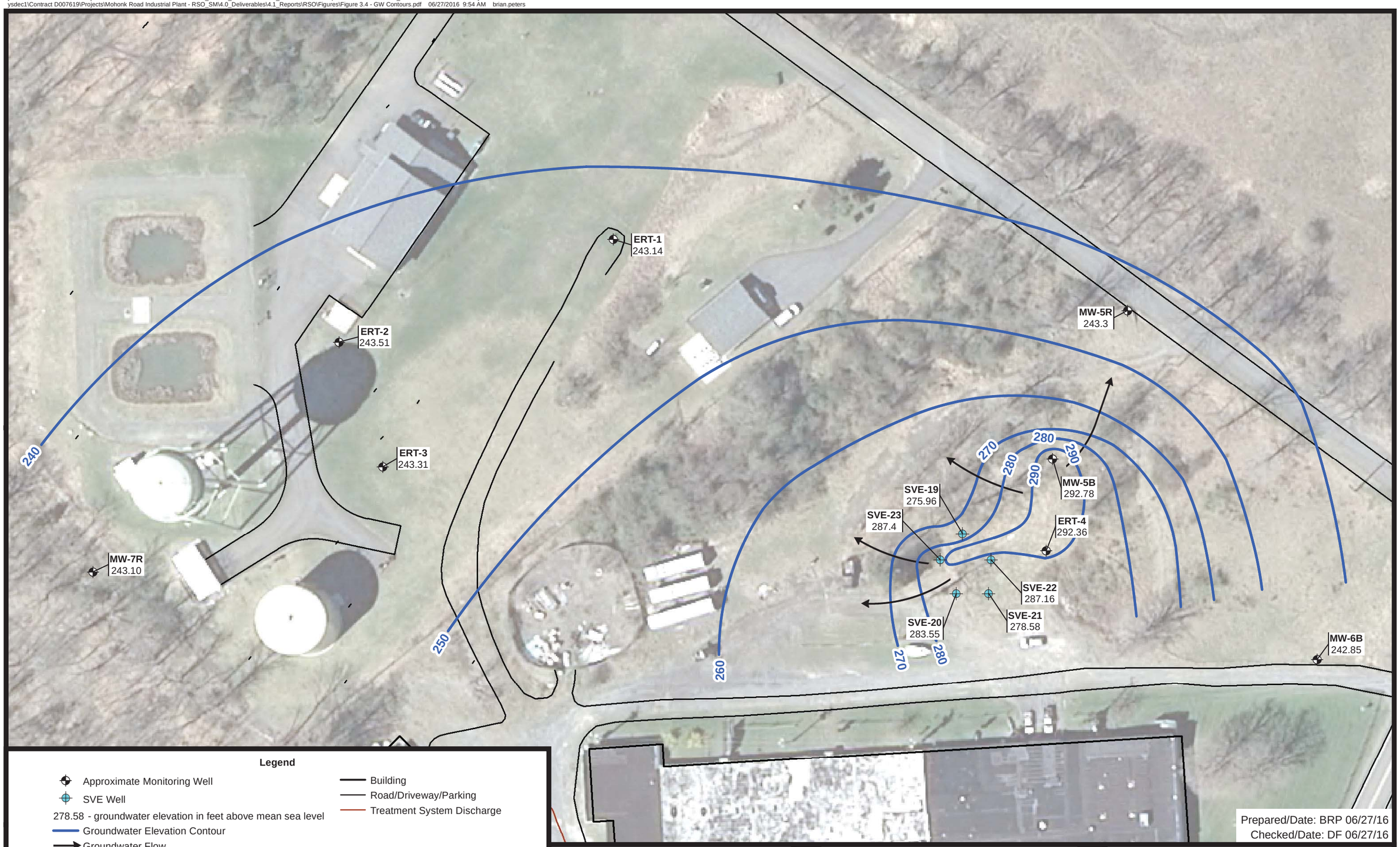
Prepared/Date: BRP 06/27/16
Checked/Date: DF 06/27/16

NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

MACTEC

Contaminant Distribution in Soil
Project 3617157346 Figure 3.3

Document: P:\Projects
ysdec1\Contract D007619\Projects\Mohonk Road Industrial Plant - RSO_SM\4.0_Deliverables\4.5_Databases\GIS\MapDocuments\RSO\RSO_11x17LS.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Mohonk Road Industrial Plant - RSO_SM\4.0_Deliverables\4.1_Reports\RSO\Figures\Figure 3.4 - GW Contours.pdf 06/27/2016 9:54 AM brian.peters



Legend

- Approximate Monitoring Well
- SVE Well
- 278.58 - groundwater elevation in feet above mean sea level
- Groundwater Elevation Contour
- Groundwater Flow
- Building
- Road/Driveway/Parking
- Treatment System Discharge

N

0 30 60 Feet

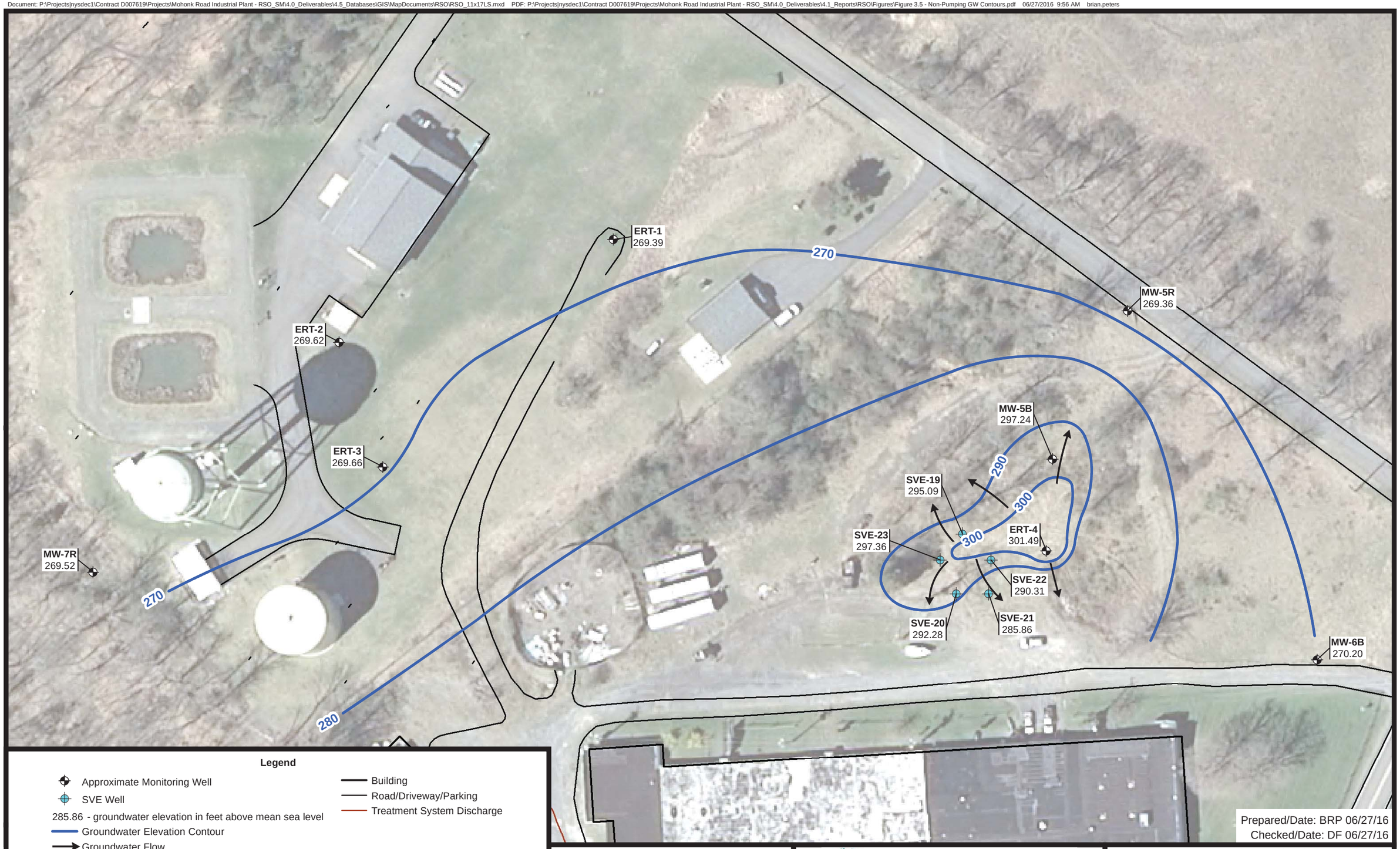
Ulster County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

Prepared/Date: BRP 06/27/16
Checked/Date: DF 06/27/16

NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

MACTEC

Interpreted Bedrock Groundwater Elevation Contours - September 2015
Project 3617157346 Figure 3.4



Legend

- Approximate Monitoring Well
- SVE Well
- 285.86 - groundwater elevation in feet above mean sea level
- Groundwater Elevation Contour
- Groundwater Flow
- Building
- Road/Driveway/Parking
- Treatment System Discharge

N

0 30 60 Feet

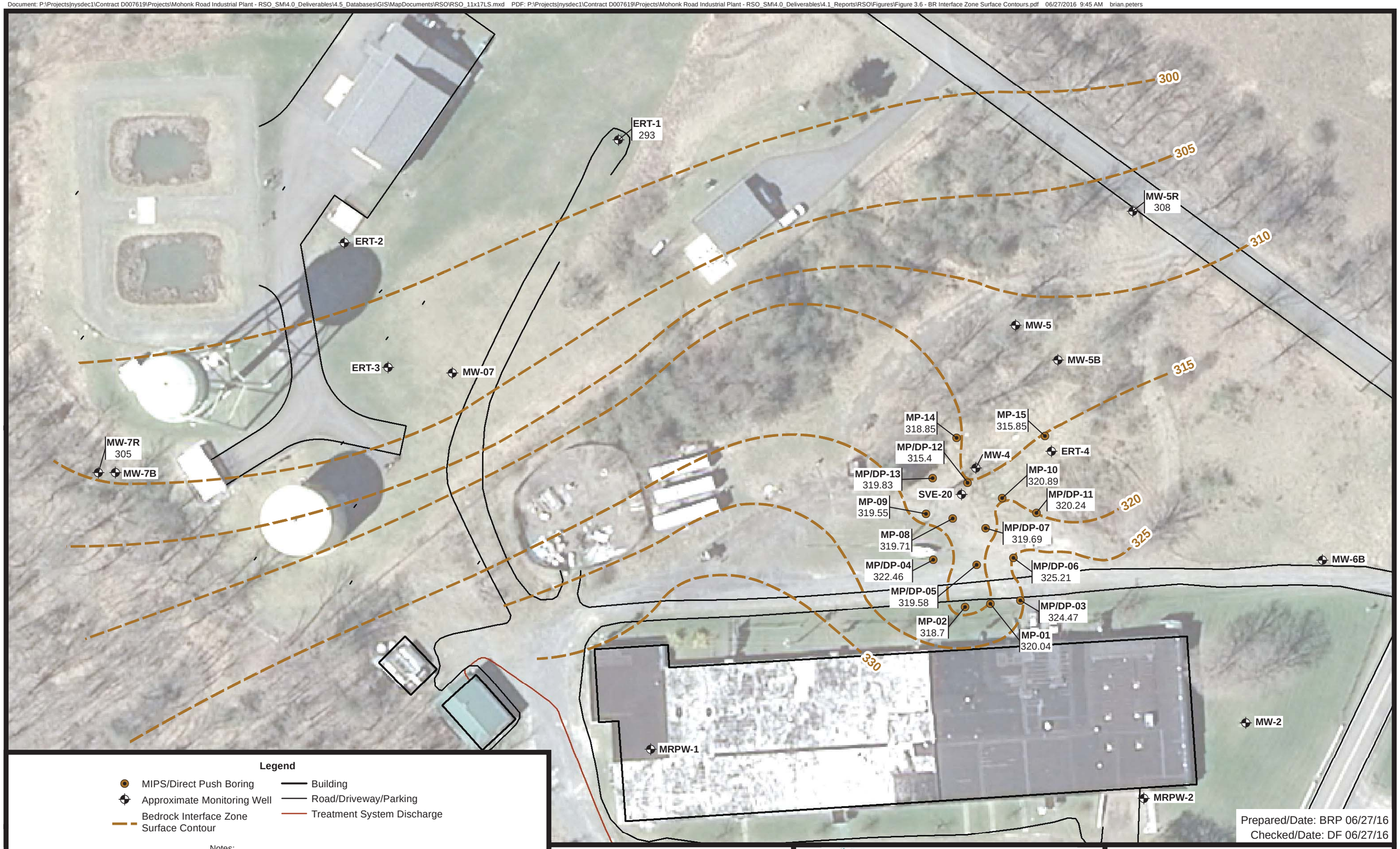
Ulster County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

Prepared/Date: BRP 06/27/16
Checked/Date: DF 06/27/16

NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

MACTEC

Interpreted Non-Pumping Bedrock Groundwater Elevation Contours - February 2016
Project 3617157346 Figure 3.5



Legend

- MIPS/Direct Push Boring
- Approximate Monitoring Well
- Bedrock Interface Zone Surface Contour
- Building
- Road/Driveway/Parking
- Treatment System Discharge

N

0 30 60 Feet

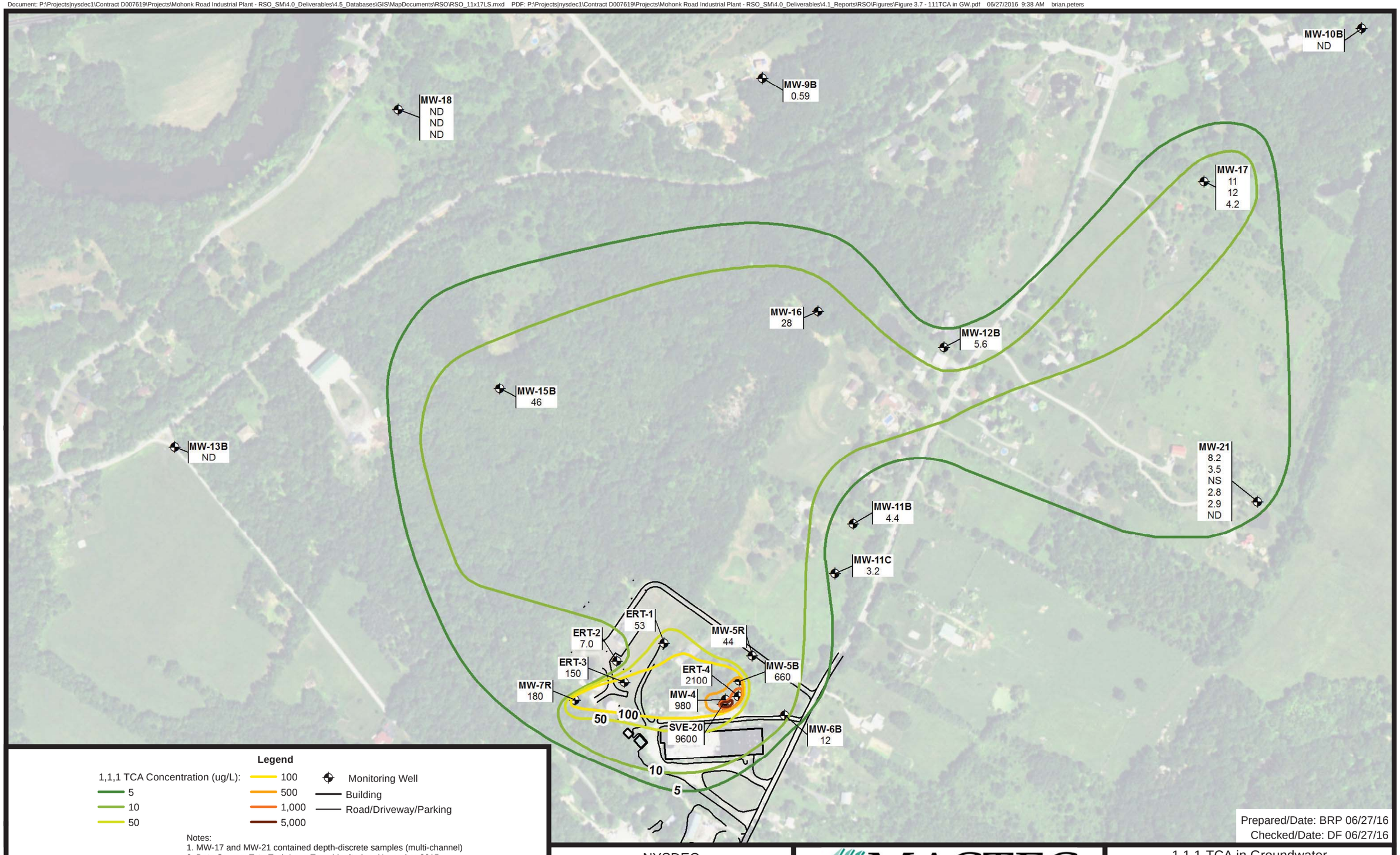
Notes:
1. Bedrock interface zone surface is interpreted based on refusal depths from September/October 2015 Direct Push Investigation
2. Ulster County color digital orthoimagery (2013) obtained from New York State GIS Clearinghouse at: http://www.nysgis.state.ny.us

Prepared/Date: BRP 06/27/16
Checked/Date: DF 06/27/16

NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

MACTEC

Interpreted Bedrock Interface Zone Surface Contours
Project 3617157346 Figure 3.6



Prepared/Date: BRP 06/27/16
Checked/Date: DF 06/27/16

NYSDEC
Mohonk Road Industrial Plant
Marbletown, New York

MACTEC

1,1,1-TCA in Groundwater
November 2015
Project 3617157346 Figure 3.7

TAILGATE MEETING FORMS

NYSDEC DIR FORM

SITE HOSPITAL ROUTE

Tailgate Safety Meeting Form

Check One:

☐ Initial Kickoff Safety Meeting ☐ Regular/Daily Tailgate Safety Meeting ☐ Unscheduled Tailgate Safety Meeting

Date: _____ Site: _____

Site Manager: _____ *Print* Site Health and Safety Officer: _____ *Print*

Order of Business

Topics Discussed (Check all that apply)

- ☐ Scope of Work
- ☐ Site History/Site Layout
- ☐ Personnel Responsibilities
- ☐ Training Requirements
- ☐ Hazard Analysis of Work Tasks (chemical, physical, biological and energy health hazard effects)
- ☐ Applicable SOPs (e.g., Hearing Conservation Program, Safe Driving, etc.)
- ☐ Safe Work Practices
- ☐ Engineering Controls
- ☐ Chemical Hazards and Controls
- ☐ Signs and symptoms of over exposure to site chemicals
- ☐ Medical Surveillance Requirements
- ☐ Action Levels
- ☐ Monitoring Instruments and Personal Monitoring
- ☐ Perimeter Monitoring, Type and Frequency
- ☐ PPE Required/PPE Used
- ☐ Define PPE Levels, Donning, Doffing Procedures
- ☐ Decontamination Procedures for Personnel and Equipment
- ☐ Physical Hazards and Controls (e.g., overhead utility lines)
- ☐ Anticipated Weather (snow, high winds, rain)
- ☐ Temperature Extremes (heat or cold stress symptoms and controls)
- ☐ Biological Hazards and Controls (e.g., poison ivy, spiders)
- ☐ Site Control (visitor access, buddy system, work zones, security, communications)
- ☐ Sanitation and Illumination
- ☐ Logs, Reports, Recordkeeping
- ☐ Incident Reporting Procedures
- ☐ Near Misses/Hazard ID including worker suggestions to correct and work practices to avoid similar occurrences
- ☐ General Emergency Procedures (e.g., locations of air horns and what 1 or 2 blasts indicate)
- ☐ General Emergency Response Procedures (e.g., earthquake response, typhoon response, etc.)
- ☐ Medical Emergency Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☐ Route to Hospital and Medical Care Provider Visit Guidelines
- ☐ Site/Regional Emergency Response Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☐ Hazardous Materials Spill Procedures

PPE required for the tasks to be conducted: _____

Required Permits: _____

Site Access or other issues: _____

Safety Suggestions by Site Workers: _____

HEART Observation Reporting

Tailgate Safety Meeting Form

Action Taken on Previous Suggestions: _____

Injuries/Incidents/Personnel Changes since last meeting: _____

Observations of unsafe work practices/conditions that have developed since previous meeting: _____

Location of (or changes in the locations of) evacuation routes/safe refuge areas: _____

Additional Comments: _____

Attendee signatures below indicate acknowledgment of the information and willingness to abide by the procedures discussed during this safety meeting

Name (Print)	Company	Signature

Meeting Conducted by: _____ Title: _____
Print

Signature: _____ Time: _____
Print

Report No. **Mohonk Road Industrial Plant - NYSDEC Site No. 356023** Date:

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D011107

Superintendent:

NYSDEC PM: Charles Gregory

Consultant PM: Nicole Bonsteel

Consultant Site Inspectors:

Site Location: 186 Mohonk Road, High Falls NY

Weather Conditions				
General Description		AM		PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:		Departed Site:	

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☐	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☐	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☐	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☐
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☐
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☐
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☐
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☐
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☐
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

bing maps

A 186 Mohonk Rd, High Falls, NY 12440, United States

B MidHudson Regional Hospital, 241 North Rd, Poughkeepsie, NY 12601

42 min , 24.2 miles
Light traffic (Leave at 1:33 PM)
Via NY-213, NY-299
· Toll on route

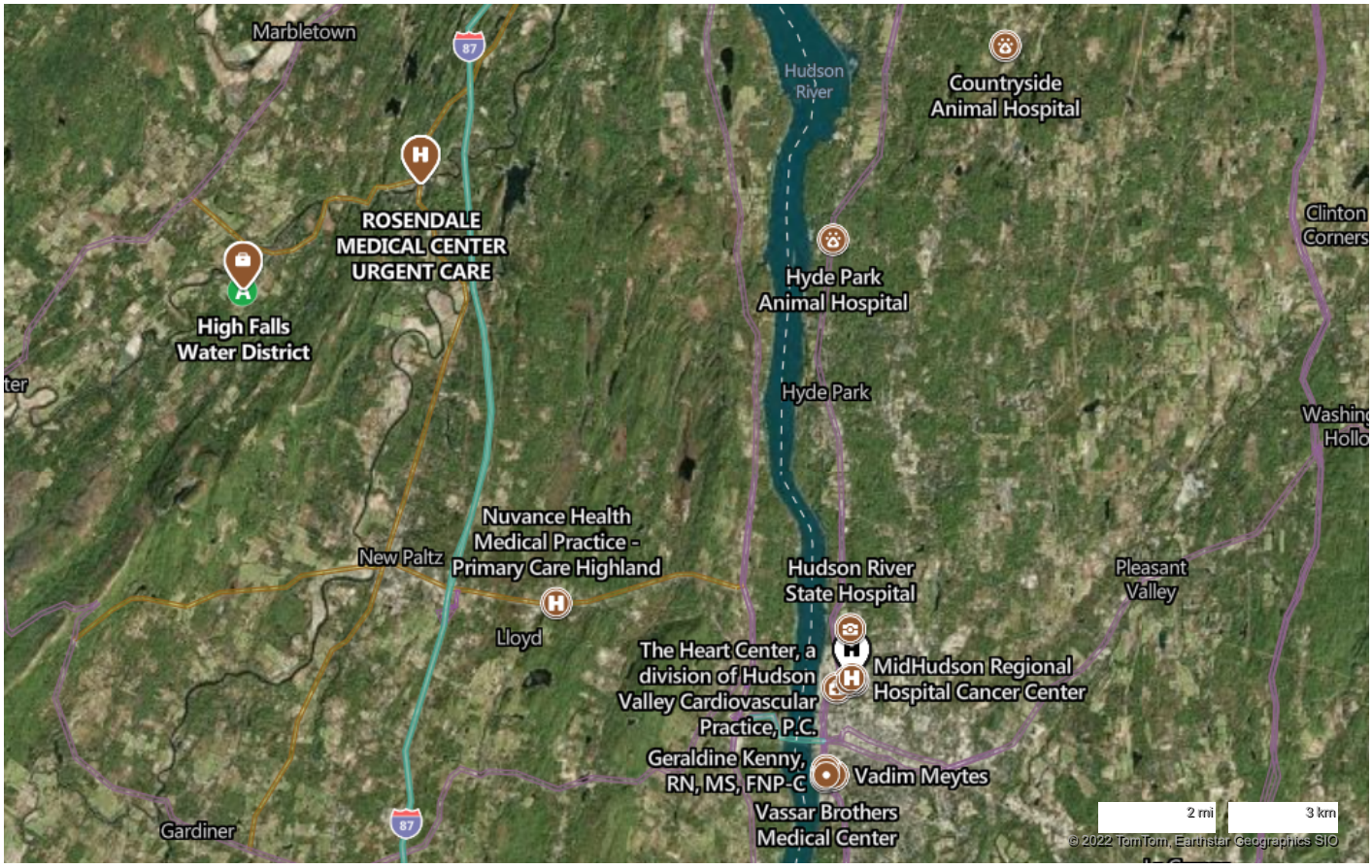


A 186 Mohonk Rd, High Falls, NY 12440, United States

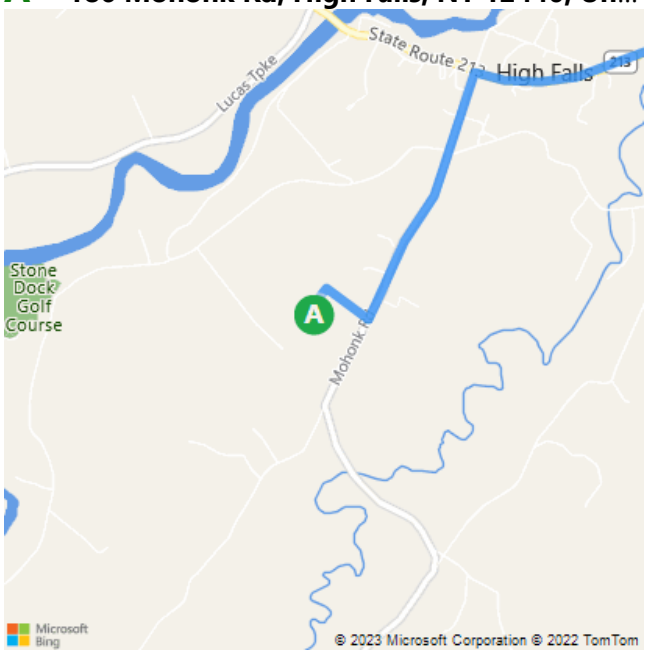
↑	1.	Depart and head toward **Mohonk Rd / County Hwy-6A**	0.2 mi
↰	2.	Turn **left** onto **Mohonk Rd / County Hwy-6A**	0.8 mi
↱	3.	Turn **right** onto **NY-213 / State Route 213**	3.5 mi
↱	4.	Turn **right** to stay on **NY-213 / Main st**	112 ft
↱	5.	Turn **right** onto **NY-213 / NY-32 / Route 32**	4.9 mi
↰	6.	Turn **left** onto **Horsenden Rd / County Hwy-17**	1.2 mi
↑	7.	Keep **straight** to get onto **Horsenden Rd**	0.4 mi
↱	8.	Turn **right** onto **N Ohioville Rd**	2.2 mi
↰	9.	Turn **left** onto **NY-299 / Main st**	4.9 mi
↱	10.	Turn **right** onto **US-9W S / US Highway 9W** ▲ *Minor Congestion*	2.3 mi
44	11.	Take the ramp on the **right** for **NY-55 East / US-44 East** and head toward **Mid Hudson Bridge** ▲ *Minor Congestion* ● *Toll road*	2.2 mi
9	12.	Take the ramp on the **right** for **US 9** and head toward **Hyde Park / Wappinger Falls** ● *Toll road*	0.1 mi

	13.	Make a U-turn to stay on **US-9 N / US Highway 9** ▲ *Moderate Congestion*	1.3 mi
	14.	Turn **right** onto **Marist Dr**, then immediately bear **right** onto **NY-9G / North Rd**	0.2 mi
	15.	Turn **left** onto **Baker Ave**	0.1 mi
	16.	At the roundabout, take the **2nd** exit	325 ft
	17.	Turn **right**	108 ft
	18.	Arrive at your destination on the left The last intersection before your destination is Baker Ave	

B **MidHudson Regional Hospital**



A 186 Mohonk Rd, High Falls, NY 12440, Un...



B MidHudson Regional Hospital, 241 North ...



These directions are subject to the Microsoft® Service Agreement and are for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2023 TomTom.

APPENDIX C

SPDES Permit Equivalent

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233
www.dec.ny.gov

M E M O R A N D U M
SPDES Permit Equivalent

TO: Charles Gregory, DER

FROM: Alison Wasserbauer, Bureau of Water Permits, DOW

SUBJECT: SPDES Permit Equivalent: Mohonk Road Industrial Plant, DER Site ID# 3-56-023

DRAINAGE BASIN: 13 / 06

DATE: February 9, 2021

In response to your request dated September 29, 2020, attached please find the effluent limitations and monitoring requirements for the above noted remediation discharge.

The discharge consists of treated water from contaminated groundwater. The treatment system consists of a pump and treat system with bag filters and an air stripper.

The DOW does not have any regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. DER will be responsible for ensuring compliance with the attached effluent limitations and monitoring requirements, and approval of all engineering submissions. The additional conditions identifies the appropriate DER contact person who will receive all effluent results, engineering submissions, and modification requests. The Regional Water Engineer should be kept appraised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please call Alison Wasserbauer at 518-402-8126.

Attachment (Effluent Limitations and Monitoring Requirements)

cc: Region 3 Regional Water Engineer (via email, w/attach)
BWP Section Chief, DOW (via email, w/attach)

EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS

OUTFALL	DISCHARGE TYPE	LATITUDE/ LONGITUDE	RECEIVING WATER and CLASS	EFFECTIVE	EXPIRING
001	Treated Remediation Wastewater	41° 48' 56" N 74° 07' 33" W	Coxing Kill and Tribs, Class C(T)	2/9/2021	2/8/2026

The discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall and Parameters Outfall 001	CAS No.	Monthly Ave. Limits	Daily Max Limits	Units	Minimum Monitoring Requirements		FN
					Measurement Frequency	Sample Type	
Flow	NA	Monitor	72,000	GPD	Continuous	Recorder	
pH	NA	-	6.5 – 8.5	SU	Monthly	Grab	
Total Suspended Solids	NA	Monitor	20	mg/L	Monthly	Grab	
Total Dissolved Solids	NA	Monitor	Monitor	mg/L	Monthly	Grab	
Methylene Chloride	75-09-2	Monitor	10	µg/L	Monthly	Grab	
Acetone	67-64-1	Monitor	50	µg/L	Monthly	Grab	
1,1-Dichloroethylene	00075-35-4	Monitor	10	µg/L	Monthly	Grab	
1,1-Dichloroethane	75-34-3	Monitor	10	µg/L	Monthly	Grab	
1,1,1-Trichloroethane	00071-55-6	Monitor	10	µg/L	Monthly	Grab	
1,2-Dichloroethane	00107-06-2	Monitor	10	µg/L	Monthly	Grab	
Carbon Tetrachloride	00056-23-5	Monitor	10	µg/L	Monthly	Grab	
1,2-Dichloroethylene (Total)	540-59-0	Monitor	10	µg/L	Monthly	Grab	
Chloroform	00067-66-3	Monitor	10	µg/L	Monthly	Grab	
Trichloroethene	00079-01-6	Monitor	10	µg/L	Monthly	Grab	
1,4-Dioxane	00123-91-1	Monitor	Monitor	µg/L	Monthly	Grab	
1,1,2-Trichloroethane	00079-00-5	Monitor	10	µg/L	Monthly	Grab	
Benzene	00071-43-2	Monitor	5.0	µg/L	Monthly	Grab	1
Toluene	00108-88-3	Monitor	5.0	µg/L	Monthly	Grab	
Iron, Total	07439-89-6	Monitor	540	µg/L	Monthly	Grab	

Footnotes:

1. Benzene analyses must achieve an MDL of 0.2 µg/L and a PWL of 0.8 µg/L

Additional Conditions:

1. Discharge is not authorized until such time as an engineering submission showing the method of treatment is approved by the Department. The discharge rate may not exceed the effective or design treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to:

Charles Gregory
Division of Environmental Remediation
NYSDEC, 625 Broadway, Albany, New York 12233- 7015,
Tel: 518-402- 9819

With a copy sent to:

Regional Water Engineer, Region 3
100 Hillside Avenue, Suite 1W, White Plains, New York, 10603-2860
Phone: (914) 428-2505

2. Samples and measurements, to comply with the monitoring requirements specified above, must be taken from the effluent side of the final treatment unit prior to discharge to the receiving water body unless otherwise noted above.

3. Only site generated wastewater is authorized for treatment and discharge.

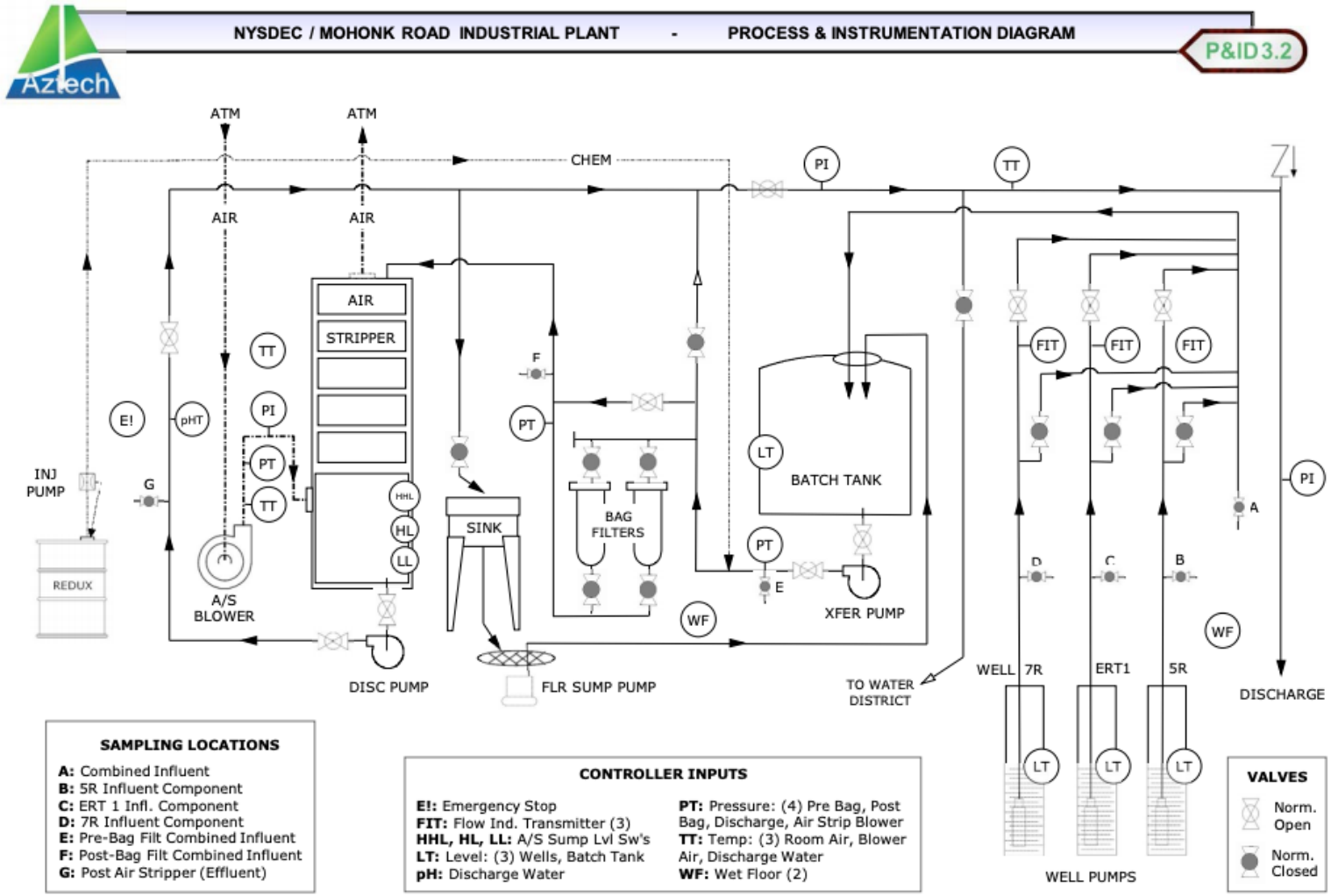
4. Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.

5. Both concentration (mg/l or µg/l) and mass loadings (lbs/day) must be reported to the Department for all parameters except flow and pH.

6. Any use of corrosion/scale inhibitors, biocidal-type compounds, or other water treatment chemicals used in the treatment process must be approved by the department prior to use.

7. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.

MONITORING LOCATIONS



APPENDIX D

2024 Daily Inspection Reports

DAILY INSPECTION REPORT – OM&M No. 002

(MRIP), Site No. 356023
Date: 01/10/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Overcast	AM	Overcast	PM
Temperature	40s	AM	40s	PM
Wind		AM	15mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Wet and snowy ground conditions. Use caution navigating the site to prevent slips/trips/falls.

Summary of Work Performed	Arrived at site:	0845	Departed Site:	**1500**

- Conducted Monthly GWETS O&M Inspection and Performance Sampling.
- Conducted SSDS Fan Inspection.
- Conducted Monthly SVE Well Purge & Recharge Monitoring.
- Collected Level Loger Data from Monitoring Wells ERT-4, MW-4, MW-5B, MW-11B, MW-12B Data **Not** Collected From MW-15B Due to Flooding.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Isaac Moser	Mactec/ WSP	Consultant	
Ryan Omslaer	Mactec /WSP	Consultant	
Peter Golaszewski	Mactec /WSP	Consultant	
Mark Felong	Mactec /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Dedicated Submersible Pumps	Owned by site	3	3
Water Level Meters	Pine (1/2)	2	2
Horiba U-52 Water Quality Meter	Pine	1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Isaac Moser	Mactec/ WSP DEC Envir Consultant
Ryan Omslaer	Mactec/ WSP DEC Envir Consultant
Peter Golaszewski	Mactec/ WSP DEC Envir Consultant
Mark Felong	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments

None, Routine O&M Inspection & Sampling Completed.

Issues Pending

None

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

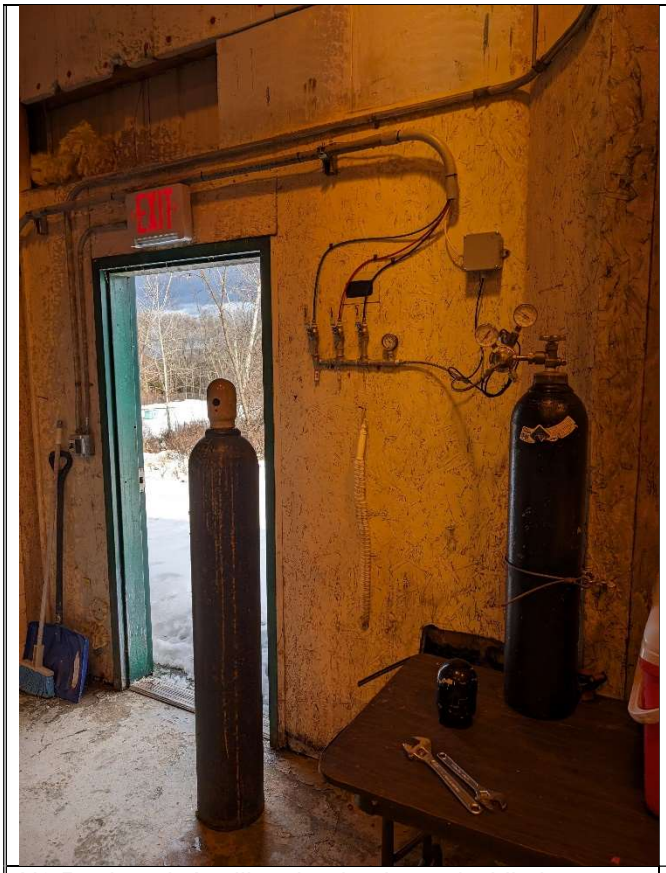
Site Photographs (Descriptions Below)

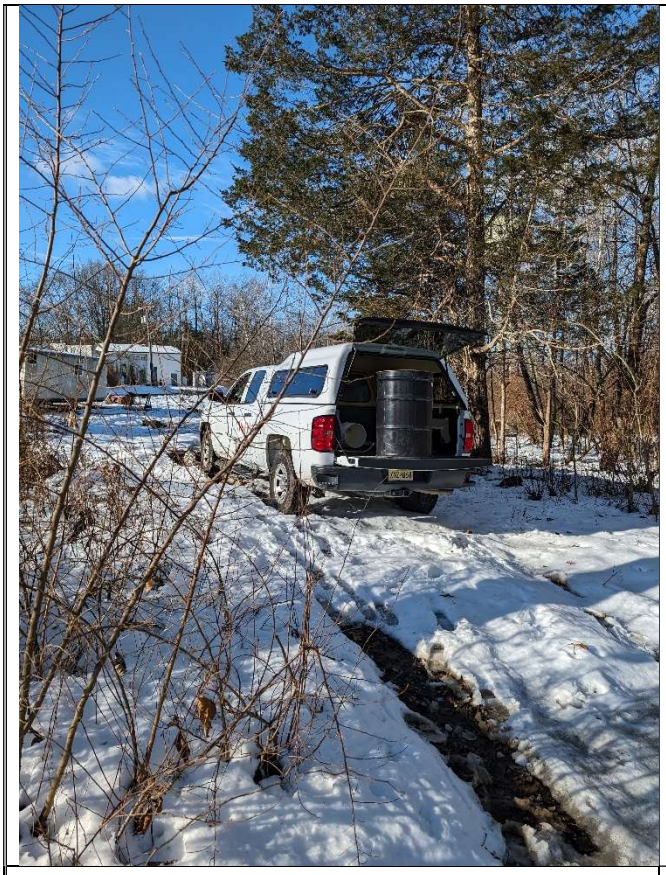


GWETS Transfer Tank



Redux 390 Changed

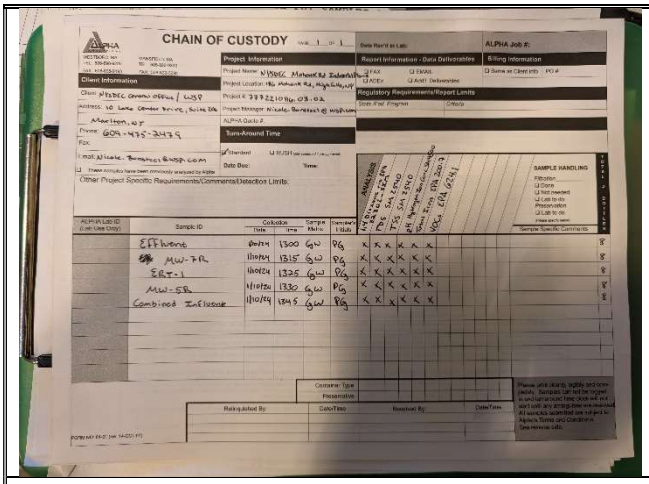
	
N2 Replaced. Auxiliary bottle pictured while larger cylinder is replaced.	SVE purge.



SVE purge water drum to be treated at GWETS.



Monitoring Well Level Data Logger Download. (MW-4)



GWETS Performance Sampling COC

Comments

Site Inspector(s): Isaac Moser

Date: 1/10/2024

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒

Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M No. 003
(MRIP), Site No. 356023
Date: 01/11/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Mark Felong (Mactec)

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Overcast	AM	Overcast	PM
Temperature	36 F	AM	42 F	PM
Wind	10 mph	AM	10 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Wet and snowy ground conditions. Use caution navigating the site to prevent slips/trips/falls.

Summary of Work Performed	Arrived at site:	0750	Departed Site:	1230

- Meet Superior Plus (Porco) Propane Company for Safety Inspection & Tank Filling.
- Troubleshoot Extraction Well 7R Level Transmitter. Pump down from 1730 1/10/2024 to 1200 1/11/2024 (18.5 hours total downtime for extraction well 7R – GWETS was otherwise operating normally). Mactec realized there was an issue at 0800 1/11/2024.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Ryan Omslaer	Mactec /WSP	Consultant	
Mark Felong	Mactec /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools			

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Ryan Omslaer	Mactec/ WSP DEC Envir Consultant
Mark Felong	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments

None, Non-Routine Appointment and Maintenance.

Issues Pending

GWETS is running without level transmitter in extraction well 7R. The well pump protection measure was changed from a low-level alarm to a low-flow alarm while we wait to receive a replacement transmitter.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)



Propane tanks deemed safe by Superior and Filled.



Level in Recovery Well 7R reading as -117’ bgs.



Mice discovered in 7R stickup (unrelated to issues) Well is sealed off.



Panel box at 7R found dry and undamaged.

Comments	
Extraction well is now operating. Mactec will need to replace the level transmitter when it is received.	
Site Inspector(s): Mark Felong	**Date: 1/11/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒

Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒

Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 004
(MRIP), Site No. 356023
Date: 02/06/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Overcast	AM	Overcast	PM
Temperature	40s	AM	40s	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Discussed the locations of eyewash stations and first aid kits in the morning health and safety tailgate meeting.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**1615**

GWETS OM&M Monthly Site Visit – February 2024

- Routine Monthly GWETS OM&M
  - GWETS OM&M Inspection and Performance Sampling for VOCs, 1,4, -Dioxane, Iron, TDS, TSS and pH.
  - System Checklist Completed.
  - Nitrogen Tank Check.
  - Redux Drums: New Redux Drum Set Up. One More Full Drum Left. Six Empty Drums on Containments.
- GWETS Maintenance
  - MW-7R Level Transducer; Installed New MW-7R Level Transducer to Replace Damaged One.
  - pH Meter; Cleaned and Performed Hard Reset of Effluent pH Meter.
- Site Building/Site Perimeter Inspection
  - Installed Pest Repellent Devices in Every Room of Treatment Building.
- SVE Wells
  - SVE Well Purge & Recharge Monitoring.
  - SVE Quarterly Sampling for VOCs
- Site Building SSDS Inspection
  - Exterior - SSDS Fan Inspection and recorded vacuum readings.
    - SSDS Fans 1 and 7 are NOT in Operation.
    - Fan 2 Vacuum Reading (inHg): -1.2
    - Fan 3 Vacuum Reading (inHg): -11.5
    - Fan 4 Vacuum Reading (inHg): -7.7
    - Fan 5 Vacuum Reading (inHg): -5.3
    - Fan 6 Vacuum Reading (inHg): -6.4
  - Interior – SSDS Inspection
    - Pending Coordination with Site Property Manager - Mary Hoffman. Expected this week.
- Data Loggers
  - Collected Level Logger Data from Monitoring Wells ERT-4, MW-4, MW-5B, MW-11B, MW-12B and MW-15B.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Isaac Moser	Mactec/ WSP	Consultant	
Ryan Omslaer	Mactec /WSP	Consultant	

Peter Golaszewski	Mactec /WSP	Consultant	
Mark Felong	Mactec /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Dedicated Submersible Pumps	Owned by site	3	3
Water Level Meters	Pine (1/2)	2	2
Horiba U-52 Water Quality Meter	Pine	1	1
Hand Tools	Field Staff		
Bottleware	Alpha Laboratory		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Isaac Moser	Mactec/ WSP DEC Envir Consultant
Ryan Omslaer	Mactec/ WSP DEC Envir Consultant
Peter Golaszewski	Mactec/ WSP DEC Envir Consultant
Mark Felong	Mactec/ WSP DEC Envir Consultant

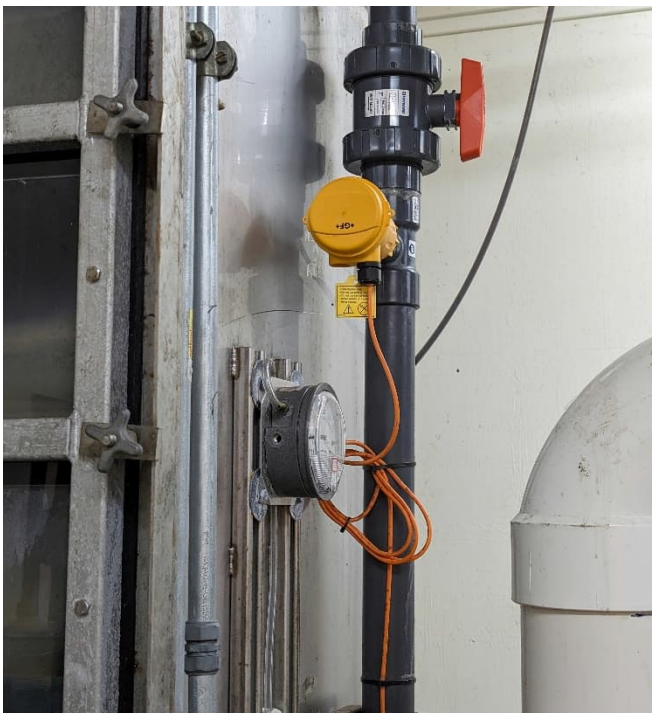
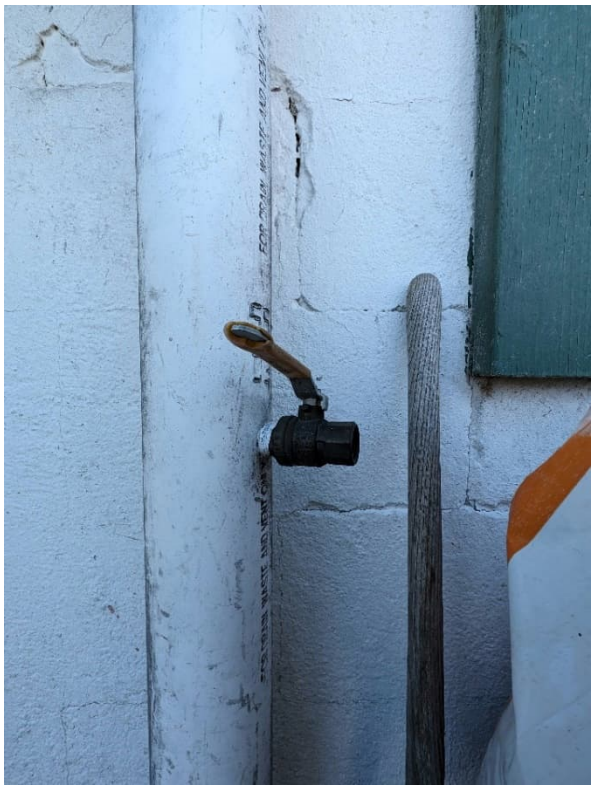
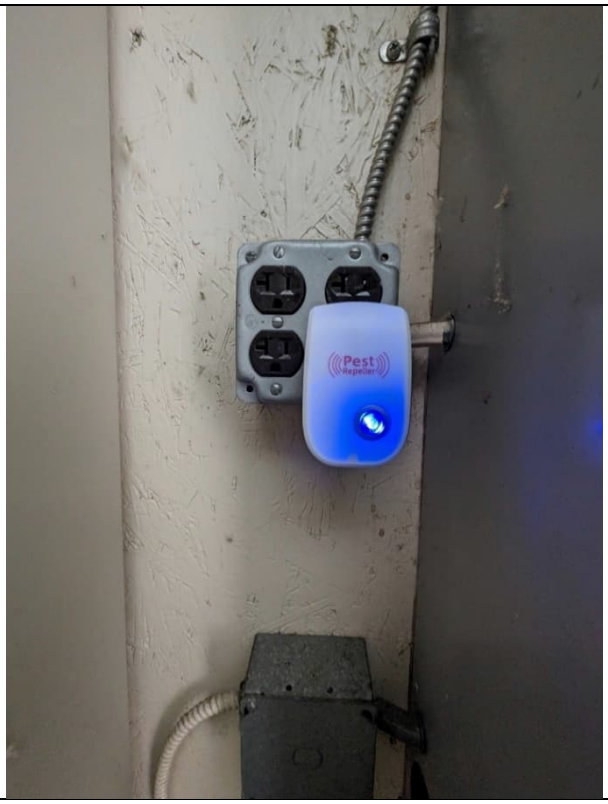
Project Schedule Comments

None, Routine O&M Inspection & Sampling Completed.

Issues Pending

None
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
MW-7R Transducer Replaced.	Effluent pH Meter Cleaned and Reset. Last Recorded Calibration in 2016. Mactec Will Plan to Recalibrate.
	

SSDS inspection – Ball Valve Port Used For Monometer Readings	Pest Control Devices Installed In Every Room Of Treatment Building
	
Two Full Redux Drums (One In Service)	SVE Wells Purged, Sampled and Monitored for Recharge.

Level Logger Data Col Well ID / Measured DTW / Time ERT-4 26.69 — 26.69 — 1310 — 0.5 PI MW-4 — 3.98 — 1700 — 0.1 PI MW-5B — 25.62 — 1320 — 0.0 PI MW-11B — 21.73 — 1430 — 0.0 PI MW-12B — 8.79 — 14.20 — 0.0 PI MW-15B — 11.10 — 1405 — 0.0 PI	
Data Loggers Downloaded. Water Levels Measured at Time of Collection to True Data.	

Comments

Site Inspector(s): Isaac Moser	**Date: 1/10/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒

Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 005
(MRIP), Site No. 356023
Date: 02/21/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Peter Golaszewski **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	NA	AM	Fair	PM
Temperature	NA	AM	35	PM
Wind	NA	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, falls – Snow on the ground.

Summary of Work Performed	**Arrived at site:**	**1430**	**Departed Site:**	**1700**

GWETS OM&M Non-Routine Site Visit – February 2024

- Non-Routine GWETS OM&M
  - ERT-1 Troubleshooting with remote assistance from Eric Thompson
    - Checked breakers and fuses at the remote-control panel (RCP). All was good.
    - VFD in the RCP is powered up, getting a "forward" speed control signal of 45+/- hz but not getting a "run" signal from the main control panel (MCP). Run input signal is indicated by a green LED on the VFD when present – light not responding to MCP.
    - Checked fuses in the MCP and all were good.
    - Tested hand/off/auto control at the MCP – output relay to the EW1 RCP VFD lights up both in hand/auto and goes off in the "off" position when the hand/off/auto (HOA) switch on the MCP is toggled but still no pump response. This indicates that the PLC, HOA and relay appear to be working properly from the MCP side of things.
    - Next steps: Potentially bad control relay – Further electrical investigation/troubleshooting required.
  - GWETS OM&M Inspection
  - System Checklist Completed.
  - Nitrogen Tank Check.
  - Redux Drums: One Drum >1/2 full. One More Full Drum Left. Six Empty Drums on Containments.
- Site Building/Site Perimeter Inspection
  - Everything in good condition
- Site Building SSDS Inspection
  - Exterior - SSDS Fan Inspection and recorded vacuum readings.
    - SSDS Fans 1 and 7 are NOT in Operation.
    - No monometer to take vacuum readings on this non-routine visit.
    - Pictures taken of each exterior SSDS stack

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Golaszewski	Mactec /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Peter Golaszewski	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments

Non-Routine O&M Inspection & troubleshooting completed. Further troubleshooting required.

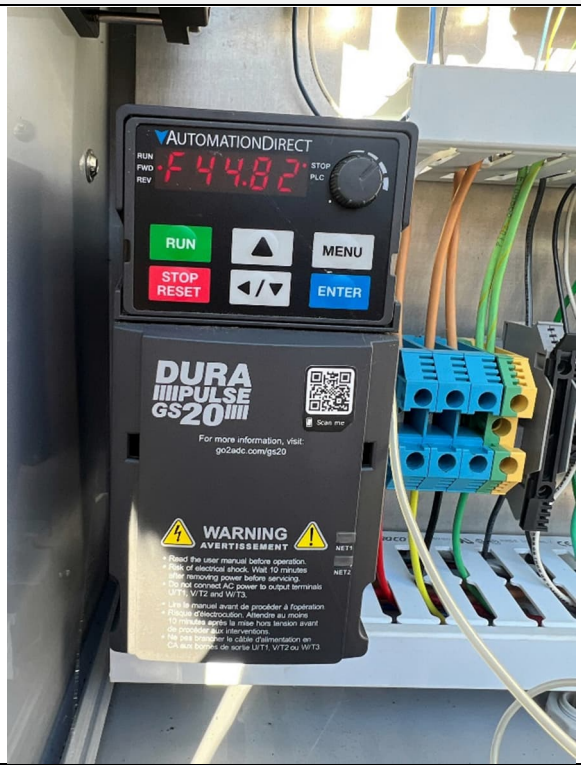
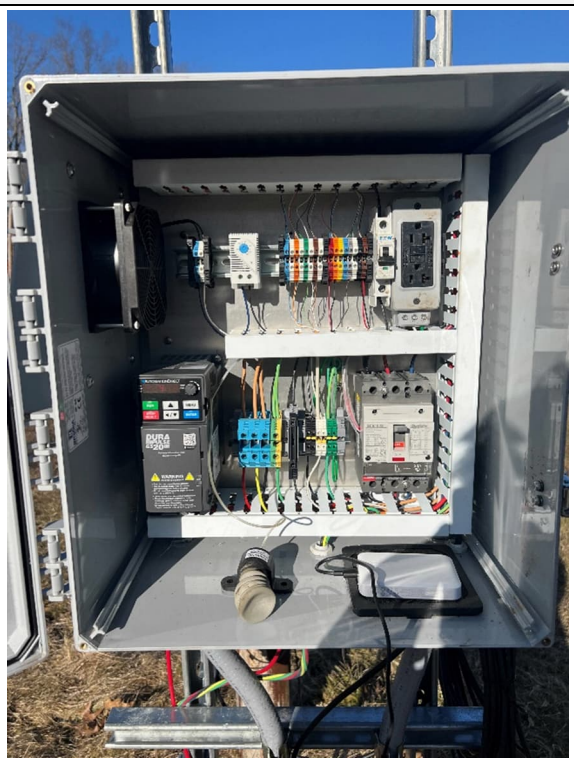
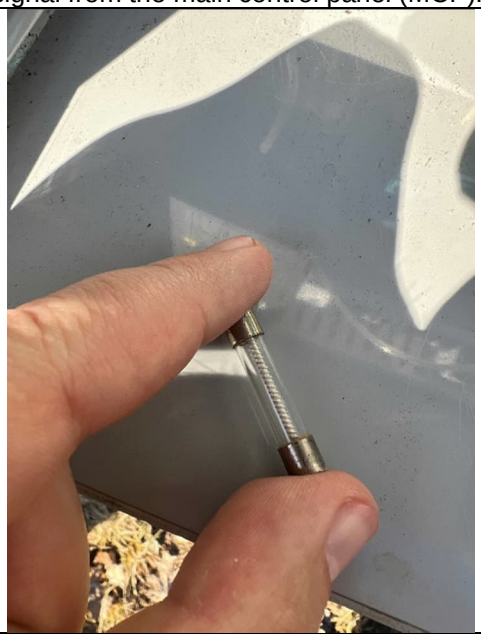
Issues Pending

ERT-1 is down.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
VFD in the RCP is powered up, getting a “forward” speed control signal of 45+/- hz but not getting a “run” signal from the main control panel (MCP).	ERT-1 Panel Box
	
Replaced fuse at ERT-1	Main Control Panel with Hand/Auto/Off Switches

	
Main Control Panel Fuses	

Comments	
None.	
Site Inspector(s): Peter Golaszewski	**Date: 2/21/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒

Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 006
(MRIP), Site No. 356023
Date: 03/05/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Rain	AM	Rain	PM
Temperature	40	AM	40	PM
Wind	NA	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Walking in the woods to MW-15B – eye protection, and proper footwear.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**1330**

GWETS OM&M Non-Routine Site Visit – March 2024

- Meet with USGS for MW-15B Telemetry Device Install.
  - Met with USGS representative while they installed InSitu Level Troll telemetry device. Installation was successful.
  - The installation will not interfere with our data collection for the GWETS packer pilot level data well, or the sampling of MW-15B. Mactec will have access to MW-15B via a well lock key.
  - USGS installed antenna, attached to the well cap of MW-15B, requires special attention when accessing the well MW-15B to ensure that the antenna does not get damaged.
  - USGS will provide us with real time data to the levels in MW-15B.
- Non-Routine GWETS OM&M
  - Nitrogen Pressure Alarm
    - We received a fatal pressure alarm from the N2 system. On inspection the system was operational.
    - Alarm likely due to weather conditions/power issue. Pressure is reading just above 2,000psi on the Procontrol and at the gauge on the tank.
  - GWETS OM&M Inspection
  - System Checklist Completed.
  - Redux Drums: One Drum <1/3 full. One Full Drum Connected. Six Empty Drums on Containments.
  - pH strip test indicates an effluent pH between 7 and 8. The system probe indicates a pH of 9. Peter G. will attempt to calibrate the pH probe on his next visit.
- Site Building/Site Perimeter Inspection
  - Everything in good condition.
- Site Building SSDS Inspection
  - Exterior - SSDS Fan Inspection and recorded vacuum readings.
    - SSDS Fans 1 and 7 are NOT in Operation.
    - Vacuum readings not collected during the non-routine visit; will be conducted during the next routine monthly OM&M site visit.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Isaac Moser	Mactec /WSP	Consultant	

DAILY INSPECTION REPORT – OM&M 006
(MRIP), Site No. 356023
Date: 03/05/2024

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Michael Noll	USGS	Yes	No
Anthony Chu	USGS	Yes	No
Christopher Gazoorian	USGS	Yes	No

Site Representatives

Name	Representing
Isaac Moser	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments

Non-Routine OM&M Site visit for the USGS MW-15B telemetry device installation. Additional activities completed included O&M Inspection & troubleshooting completed.

Issues Pending

ERT-1 is still down.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT – OM&M 006
(MRIP), Site No. 356023
Date: 03/05/2024

Site Photographs (Descriptions Below)	
	
Telemetry Device Installed by USGS	NYSDEC MW-15B Device Remains Accessible
	
The Two Devices in the Well.	Antenna Installed on MW-15B. Must be Careful when Removing Well Lid.

DAILY INSPECTION REPORT – OM&M 006
(MRIP), Site No. 356023
Date: 03/05/2024

	
Redux Drum Replaced	Full Redux Drum Put into Operation
	
N2 pressure gauge matches ProControl.	pH strips indicate an effluent pH between 7 and 8.

Comments	
None.	
Site Inspector(s): Isaac Moser	**Date: 03/05/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

DAILY INSPECTION REPORT – OM&M 006
(MRIP), Site No. 356023
Date: 03/05/2024

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒

DAILY INSPECTION REPORT – OM&M 006
(MRIP), Site No. 356023
Date: 03/05/2024

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

DAILY INSPECTION REPORT – OM&M 006
(MRIP), Site No. 356023
Date: 03/05/2024

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 007
(MRIP), Site No. 356023
Date: 03/11/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Peter Golaszewski **(Mactec),** William Whitacre **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Fair	AM	Fair	PM
Temperature	40	AM	50	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, falls – Snow on the ground.

Summary of Work Performed	**Arrived at site:**	**1015**	**Departed Site:**	**1345**

GWETS OM&M Non-Routine Site Visit – March 2024

- Non-Routine GWETS OM&M
  - ERT-1 Troubleshooting with William Whitacre and remote assistance from Eric Thompson
    - Tested the fuses and relays in the main panel, no issues were found.
    - While at the main panel the ERT-1 and W7R relays were swapped, W7R functioned with either relay however ERT-1 still provided no response.
    - Tested VFD inputs at the ERT-1 Remote panel VFD indicated ready (forward LED lit up and speed reference displayed), however when jumpering the run terminals, an error code of "b4GFF" was displayed The error code can be cleared by resetting the VFD either through the keypad or jumpering terminals DI3 and DCM.
    - Error code was not listed in the manual, spoke to tech support and they were not able to determine the meaning of the error code, tech support would contact the factory
    - VFD manufacturer tech support contacted Mactec on Tuesday March 12th. The drive checks that there is not a short on the output before starting to run.
    - Next steps: The manufacturer recommends disconnecting the motor cables from the drive output and attempting to run the VFD again. If the VFD faults while disconnected from the motor than that likely represents an issue with the IGBT, otherwise there is an issue with the motor cable or motor. If an issue with eh VFD is found than a replacement VFD will need to be sourced, and if there is an issue with the motor or cables, then it will need to be pulled from the well and examined
  - GWETS OM&M Inspection
  - System Checklist Completed.
  - Nitrogen Tank Check.
  - Redux Drums: One Drum >1/2 full, one drum <1/2 full. No More Full Drums Left. Six Empty Drums on Containments.
- Site Building/Site Perimeter Inspection
  - Everything in good condition
- Site Building SSDS Inspection
  - Exterior - SSDS Fan Inspection and recorded vacuum readings.
    - SSDS Fans 1 and 7 are NOT in Operation.
    - No monometer to take vacuum readings on this non-routine visit.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours

Peter Golaszewski	Mactec /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Peter Golaszewski	Mactec/ WSP DEC Envir Consultant
William Whitacre	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments

Non-Routine O&M Inspection & troubleshooting completed. Further troubleshooting required.

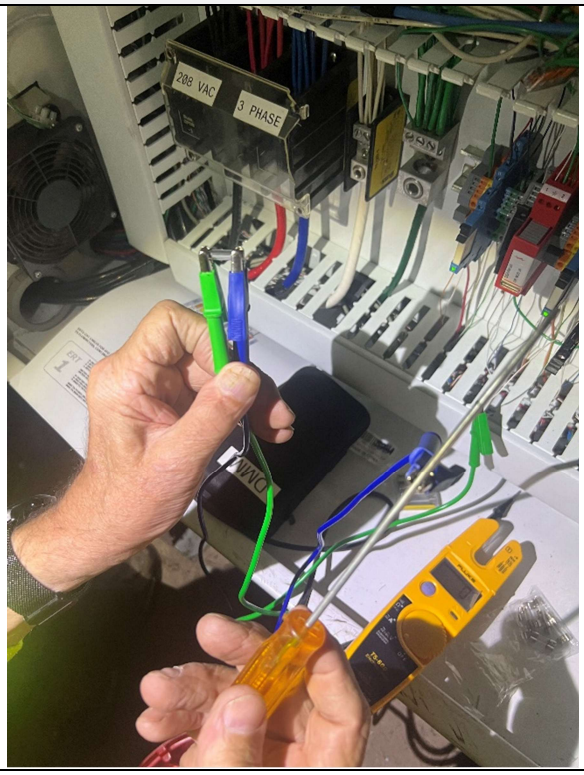
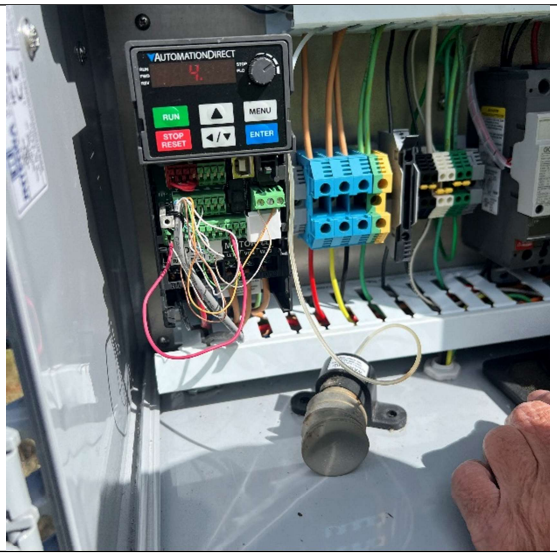
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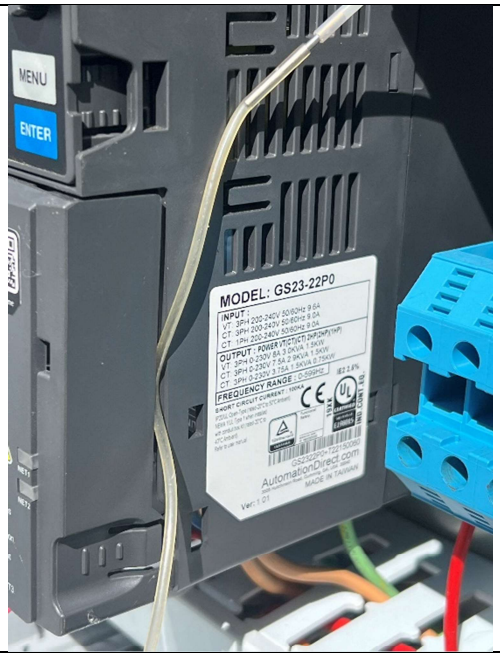
ERT-1 is down.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Trouble shooting at the MCP, jumpering relay to see if the ERT-1 would run, this was unsuccessful	Modular relay from ERT-1, swapped with the relay from W7R. W7R ran with the relay from ERT-1 and ERT-1 would not run with relay from W7R, indicating the issue was at the VFD.
IMG_5046.MOV	
Video of VFD error code	Jumpering VFD in effort to have ERT-1 start operating again

	
VFD model and serial numbers	

Comments	
None.	
Site Inspector(s): Peter Golaszewski	**Date: 03/12/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Fair	AM	Fair	PM
Temperature	34	AM	42	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Cold Stress – Winter weather possible.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**1620**

GWETS OM&M & Non-Routine Site Visit – March 2024

- Non-Routine GWETS OM&M
  - ERT-1 Troubleshooting with William Whitacre and remote assistance from Eric Thompson
    - The manufacturer recommended disconnecting the motor cables from the drive output and attempting to run the VFD. If the VFD faults while disconnected from the motor then that likely represents an issue with the IGBT, otherwise there is an issue with the motor cable or motor.
      - When this step was executed the default code "b4GEFF" returned indicating an issue with the VFD.
      - The pump wires were eliminated as an issue; however, the motor leads were Megged, and it was discovered that motor had suffered a failure in the windings.
      - **Next Steps:** A replacement VFD will need to be sourced, as well as a replacement pump.
        - The VFD is an Automation direct model GS23-22P0.
        - The pump motor is a Franklin Electric 3-Phase 1.5 HP Submersible Pump Motor. Part # **Franklin 2345149203G**
  - MW-5R Troubleshooting with William Whitacre
    - When assessed, the VFD tried to start but could not. No error codes were thrown indicating no damage to the VFD.
    - Next, the pump motor was Megged a fault between lead 3 to ground was discovered. The pump wire was eliminated as a source of fault indicating the motor suffered a failure in the windings.
      - **Next Steps:** A replacement pump will need to be sourced.
        - The pump motor is a Franklin Electric 3-Phase 1 HP Submersible Pump Motor. Part # **Franklin 2345132303G**
  - Nitrogen Tank Troubleshooting
    - A slow and steady decrease was noticed in the packer nitrogen pressure starting when MW-5R went down indicating a small leak. The nitrogen lines are exposed (not in conduit) in 3 locations: at the nitrogen tank in the building, in the junction box where they exit the building, and at the well heads before they go downhole to the packers. Each of the lines were inspected at each of these locations. A soapy solution was used to inspect for nitrogen leaks. No leaks were found. The current theory is that pump movement during the MW-5R pump fault may have compromised the N2 line. There was no indication that rodents were the source; however, the component housings were treated with steel wool to prevent rodent entry in the future.
    - **Actions/Next Steps:** The N2 valve at the well head of MW-5R was closed and the nitrogen tank was replaced. Monitoring of the N2 tank pressure will indicate if the isolation of the downhole portion of the MW-5R line stopped the leak. If this is where the leak is, the packer will need to be pulled and the line repaired. If the N2 pressure continues to drop, more troubleshooting will be performed to isolate the location of the leak.

- Routine GWETS OM&M
  - GWETS OM&M Inspection
  - System Checklist Completed.
  - Nitrogen Tank Replaced.
  - Redux Drums: One Drum 3/4 full, one drum 1/3 full. No More Full Drums Left. Six Empty Drums on Containments. Redux being used more slowly due to decreased system flow.
- Site Building/Site Perimeter Inspection
  - Everything in good condition
- Site Building SSDS Inspection
  - Exterior - SSDS Fan Inspection and recorded vacuum readings.
    - SSDS Fans 1 and 7 are NOT in Operation.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Isaac Moser	Mactec /WSP	Associate Consultant	
William Whitacre	Mactec /WSP	Consultant	
Mark Felong	Mactec /WSP	Associate Consultant	
Ryan Omslaer	Mactec /WSP	Associate Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

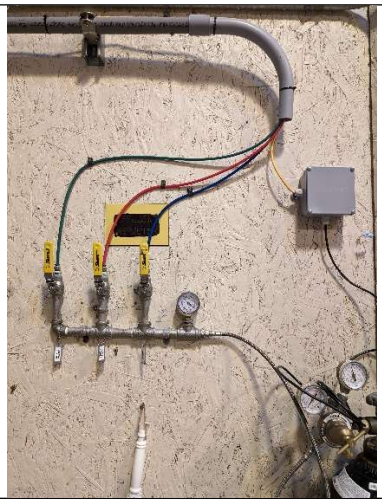
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

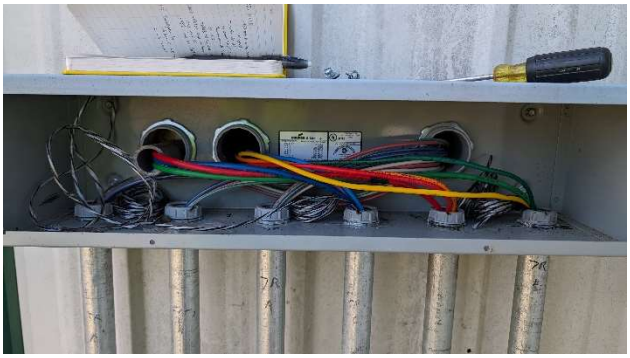
Site Representatives

Name	Representing
Isaac Moser	Mactec/ WSP DEC Envir Consultant
William Whitacre	Mactec/ WSP DEC Envir Consultant
Mark Felong	Mactec/ WSP DEC Envir Consultant
Ryan Omslaer	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments
Non-Routine O&M Inspection & troubleshooting completed. Further action required (Approval to order parts & execution of repairs).
Issues Pending
ERT-1 is down, MW-5R is down. Isolation of N2 leak in progress.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
ERT-1 pump leads removed ready for motor replacement. The VFD in the lower left of the box also needs to Be replaced. Error code b4GEFF.	MW-5R pump leads removed ready for motor replacement.
	
Steel wool used to deter rodents that might want to enter (covered after photo taken).	1st location of N2 lines outside of conduit.

	
2nd location of N2 lines outside of conduit (cover of off junction box).	-3rd location of N2 lines outside of conduit. -N2 line valve off at MW-5R to isolate downhole portion of line from N2 system.

Comments	
None.	
Site Inspector(s): Isaac Moser	**Date: 03/21/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 009
(MRIP), Site No. 356023
Date: 04/10/24

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Fair	AM	Fair	PM
Temperature	34	AM	42	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Cold Stress – Winter weather possible.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**1700**

GWETS OM&M Monthly Site Visit Summary – April 2024

- Routine GWETS OM&M
  - GWETS OM&M Inspection
  - System Checklist Completed.
  - ERT-1 and MW-5R remain non-operational
  - GWETS performance sampling: Influent (MW-7R) and Effluent flow sample collected
  - Nitrogen Tank Pressure observed at acceptable pressure
  - Redux Drums: One Drum 1/4 full, one drum 1/3 full. No More Full Drums Left. Six Empty Drums on Containments. Redux being used more slowly due to decreased system flow. Redox delivery expected on April 11th.
- Site Building/Site Perimeter Inspection
  - Everything in good condition
- Site Building SSDS Inspection
  - Exterior - SSDS Fan Inspection and recorded vacuum readings.
  - SSDS Fans 1 and 7 are NOT in Operation.
  - Fan 1 Vacuum Reading (inHg): 0 Not in operation
  - Fan 2 Vacuum Reading (inHg): 0.11
  - Fan 3 Vacuum Reading (inHg): 0.83
  - Fan 4 Vacuum Reading (inHg): 0.59
  - Fan 5 Vacuum Reading (inHg): 0.36
  - Fan 6 Vacuum Reading (inHg): 0.47
  - Fan 7 Vacuum Reading (inHg): 0 Not in operation

- Non-Routine GWETS OM&M
  - Pro-Control Status and Alarm Report Troubleshooting with Peter Golaszewski and remote assistance from Eric Thompson
  - On Friday April 5th, the Mohonk GWETS system stopped sending daily status report emails as well as alarm emails, in addition remote connections were no longer possible.
    - The cabinet was opened to check the status of the multi connect cell, no issue was seen at the time.
    - The cell was disconnected from power and was allowed to rest for approximately 5 minutes before reconnecting power to see if this would restore communication.
    - Communication with the system with the system was not restored after reconnecting power.
    - The antenna cable was then inspected to check for any damage along the line inside the building. A section of the antenna cable insulation was found to be damaged, presumably from rodents known to be an issue around the site.
    - This was theorized to be the issue that caused the loss of communications with the system and research began to determine the correct replacement cable. The crew then moved on to other work around the site.

- Upon restarting the system following the attempted calibration of the pH meter (see next set of bullet points), the system began sending status emails as well as text messages. In addition, the remote operator was able to reestablish a connection.
- **Next Steps:** A replacement antenna cable is recommended to replace the damage one presently at the site, in addition it is recommended to run the antenna cable through a section of flexible conduit from the wall to the control cabinet to further protect it from possible damage.

- pH sensor troubleshooting with Peter Golaszewski
  - During previous OM&M visits it was observed that the inline pH meter was showing higher values then what was measured using a calibrated Horiba water quality meter, suggesting that the sensor fell out of calibration or some other issue with the electrode.
  - The system was shut down and the effluent line valve located above the meter was closed to remove the unit from the line so that it may be calibrated.
  - The electrode was removed an examined for any damage and cleaned.
  - The sensor was factory reset per the manufacturer's instruction and calibration began.
  - The pH meter requires a two-point calibration against either 4, 7, or 10 pH Buffer solutions.
  - While attempting to calibrate against the pH 7 and 10 solution the meter failed to calibrate, however it was successful against the pH4 solutions. Checking the expiration dates of the solutions it was discovered that the pH 7 and 10 solutions were past their expiration dates, however the pH 4 solution that came with the Horiba was not. This suggests that the sensor failed to calibrate as the 7 and 10 buffer solutions were outside of accepted tolerance.
  - The sensor was then reassembled and placed back into the line, the valve was opened, and the system was restarted.

  - Upon restarting the system and checking the pH while the effluent line was moving fresh water it was observed that the sensor now displayed a pH value closer to that of the Horiba.
  - **Next Steps:** attempt to recalibrate the system using non expired buffer solutions.
    - During the next OM&M site visit the system will be shutdown again and the sensor will be recalibrated using fresh buffer solutions.
- Pump puller obtained and brought to Mohonk site in preparation for the new pumps.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Golaszewski	Mactec /WSP	Consultant	
Mark Felong	Mactec /WSP	Associate Consultant	
Matthew Liedtka	Mactec /WSP	Associate Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**

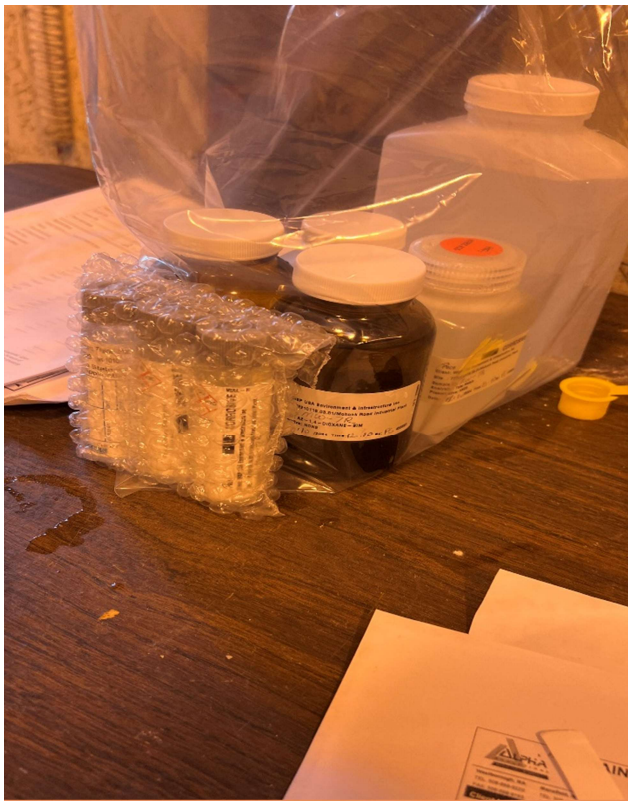
		Yes	**No**

Site Representatives	
Name	**Representing**
Peter Golaszewski	Mactec/ WSP DEC Envir Consultant
Mark Felong	Mactec/ WSP DEC Envir Consultant
Matthew Liedtka	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments
Non-Routine O&M Inspection & troubleshooting completed. Further action required (Approval to order parts & execution of repairs).
Issues Pending
ERT-1 is down, MW-5R is down. Isolation of N2 leak in progress.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Mohonk GWETS control panel cell modem, located at the upper left side of the cabinet.	Cell modem located in the control cabinet, power line is the bottom left connection and the antenna connects at the top right.
	
Antenna cable showing locations where the insulation is damaged	pH sensor shown following reinstallation into the line

	
Samples collected	-Pumping water out of barrel used to contain water from the wells.

Comments	
None.	
Site Inspector(s): Peter Golaszewski	**Date: 04/10/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 010
(MRIP), Site No. 356023
Date: 04/11/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Mark Felong **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Rain	AM	Rain	PM
Temperature	55	AM	60	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Rain, Slippy conditions (Slips, Trips, Falls)

Summary of Work Performed	**Arrived at site:**	**0700**	**Departed Site:**	**1000**

GWETS OM&M & Non-Routine Site Visit – April 2024

- All OM&M and sampling activities were completed the previous day 4/10/24 as described in DIR 009
- WSP is onsite to receive a shipment of 3 Redux-390 drums, and to dispose of the 5 empty drums onsite
- WSP personnel Mark Felong arrives on site at 0700, opens double doors to receive delivery, pulls out old drums for driver to receive, and uses a handheld transfer pump to fill up the active Redux drum pumping to the GWTS
- Redux Technologies Driver arrives onsite at 0900
- Redux Technology uses a lift gate and a drum hand truck to move the 3 Redux-390 drums onto the contaminant in the GWTS
- Redux Technology receives and loads the 5 empty drums into truck using a lift gate to be delivered offsite
- Redux Technology signs and hands over Straight Bill of Landing for WSP to sign and receive
- Redux Technology is offsite by 0930
- WSP locks up GWTS and is offsite by 1000

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Mark Felong	Mactec /WSP	Associate Consultant	6

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		
Lift Gate / Drum Hand Truck	Redux Technology		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Redux-390-475# Water Treatment Compound	3 – 55 Gal Drums	5 – empty Redux-390 55 Gal Drums	NA	Redux Technology	1600	

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

3 – Redux-390-475# Water Treatment Compound in 55 Gallon Drums were delivered onto site

5 – Empty Redux-390 55 Gallon Drums were taken offsite by Redux Technologies

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Redux Technology	**Redux Technology**	**Yes**	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mark Felong	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments

Non-Routine O&M Inspection & troubleshooting completed. Delivery of new Redux-390 Drums completed.

Issues Pending

Metering Pump that transfers Redux to GWTS may not be primed. Will check for issues on next site visit.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)



View of double doors and containment where new drums will be placed & empty drums ready to transported offsite



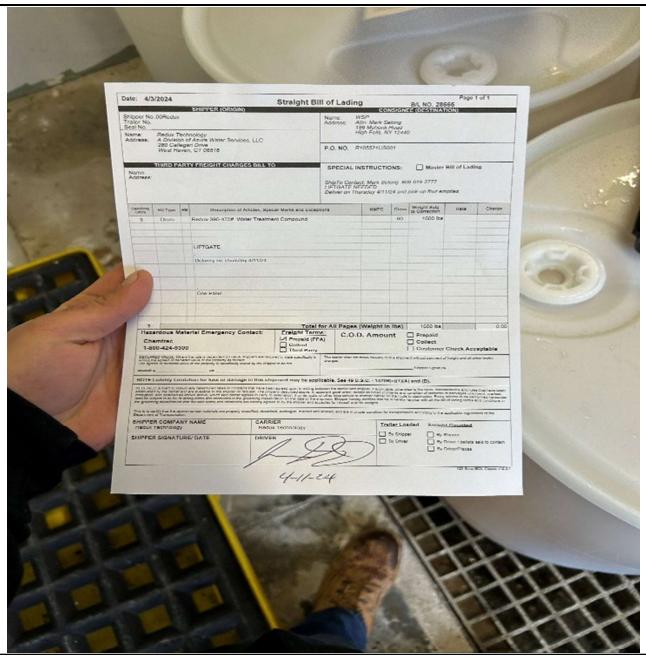
View of Redux Technology rolling drums onto liftgate with a drum hand truck outside of double doors



View of new Redux-390 drums on GWTS containment



View of empty drum on containment after transferring the rest of chemical contents into the active pumping drum

	
View of containment and new drums before WSP leaves site.	View of signed Straight Bill of Landing from Redux Technologies.

Comments	
None.	
Site Inspector(s): Mark Felong	**Date: 04/11/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 011
(MRIP), Site No. 356023
Date: 05/08/24

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Fair	AM	Fair	PM
Temperature	60	AM	82	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Cold Stress – Winter weather possible.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**14:30**

GWETS OM&M & Non-Routine Site Visit – May 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist not completed (Mactec plans to install replacement pumps on 5/9/2024) system parameters will be completed tomorrow, following bringing both pumps online)
- ERT-1 and MW-5R remain non-operational. Tomorrow new pumps motors and VFD for ERT-1 will be installed.
- GWETS performance sampling not conducted, Plan to sample following part replacements at ERT-1 and MW-5R and after system back online and all 3 pumps are operational.

Site Building/Site Perimeter Inspection

- Everything in good condition
- Used weed whacker to trim overgrowth noticed around the outside of the plant building

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
  - SSDS Fans 1 and 7 are NOT in Operation.
  - Fan 1 Vacuum Reading (inHg): 0 Not in operation
  - Fan 2 Vacuum Reading (inHg) -0.10
  - Fan 3 Vacuum Reading (inHg) -0.83
  - Fan 4 Vacuum Reading (inHg) – 0.62
  - Fan 5 Vacuum Reading (inHg) – 0.37
  - Fan 6 Vacuum Reading (inHg) – 0.48
  - Fan 7 Vacuum Reading (inHg) – 0 not in operation.

Non-Routine GWETS OM&M

- pH sensor troubleshooting with Peter Golaszewski
  - During previous OM&M visits it was observed that the inline pH meter was showing higher values then what was measured using a calibrated Hariba water quality meter, suggesting that the sensor fell out of calibration or some other issue with the electrode.
  - During the previous OM&M site visit an attempt was made to recalibrate the pH meter, however pH solutions that were on site were expired and the pH meter wouldn't calibrate.
  - The system was shut down and the effluent line valve located above the meter was closed to remove the unit from the line so that it may be calibrated.
  - The electrode was removed an examined for any damage and cleaned.
  - The sensor was factory reset per the manufacturer's instruction and calibration began.
  - The pH meter requires a two-point calibration against either 4, 7, or 10 pH Buffer solutions.

- While attempting to calibrate against the pH 4, 7, and 10 solutions the meter failed to calibrate. Consulting the manual a failure to calibrate suggests that the electrode is past its expiration date.
  - The pH meter was placed in each of the solutions and the pH on the control panel was recorded for each solution. Readings range from as low as 5.55 for the pH 10 solution and as high as 5.36 for the pH 4 solution
  - The sensor was then reassembled and placed back into the line, the valve was opened, and the system was restarted.
    - **Next Steps:** A new electrode would be required for the meter. Will need to check that the new electrode is compatible with the pH meter that is on site as the on site pH meter has been discontinued by the manufacturer.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Golaszewski	Mactec /WSP	Consultant	5
Mark Felong	Mactec /WSP	Associate Consultant	4
Matthew Liedtka	Mactec /WSP	Associate Consultant	4

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Peter Golaszewski	Mactec/ WSP DEC Envir Consultant
Mark Felong	Mactec/ WSP DEC Envir Consultant
Matthew Liedtka	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments
Non-Routine O&M Inspection & troubleshooting completed. Further action required (Approval to order parts & execution of repairs).
Issues Pending
ERT-1 is down, MW-5R is down. Isolation of N2 leak in progress.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)



Side of the plant building prior to trimming



Same side of the plant building post trimming

	
Tightening drum containing purged SVE water prior to transport to the GWETS	Pumping purged SVE water out of the drum
	
System restarted and running post calibration attempt	Potential animal debris noticed outside of door leading to MCP space.

Comments	
None.	
Site Inspector(s): Peter Golaszewski	**Date: 05/08/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments: While entering the building for the first time today a squirrel was observed inside of the building heading upstairs. It was not seen again after that. An odor was observed in the building all day.		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 012
(MRIP), Site No. 356023
Date: 05/09/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Clear	AM	Clear	PM
Temperature	55	AM	60	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Pinch points when using pump puller. Keep limbs clear of moving parts.

Summary of Work Performed	**Arrived at site:**	**0830**	**Departed Site:**	**1800**

GWETS OM&M Monthly Site Visit Summary – May 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- ERT-1 and MW-5R remain non-operational
- GWETS performance sampling of operating wells.
- Nitrogen Tank Pressure observed at acceptable pressure
- Redux Drums: Three and a half drums on site. Redux being used more slowly due to decreased system flow.

Site Building/Site Perimeter Inspection

- Everything in good condition

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- SSDS Fans 1 and 7 are NOT in Operation.
- Fan 1 Vacuum Reading (inHg): 0 Not in operation
- Fan 2 Vacuum Reading (inHg): 0.10
- Fan 3 Vacuum Reading (inHg): 0.83
- Fan 4 Vacuum Reading (inHg): 0.62
- Fan 5 Vacuum Reading (inHg): 0.37
- Fan 6 Vacuum Reading (inHg): 0.48
- Fan 7 Vacuum Reading (inHg): 0 Not in operation

Non-Routine GWETS OM&M

Mactec performed an Emergency Site Visit May 9, 2024, in order to replace parts for ERT-1 and MW-5R. Below please find a summary of the current status, activities completed, and next steps.

Current Status

- ERT-1 – The new pump motor is in place and operational however the VFD we received was defective and needs to be replaced by Automation Direct; ERT-1 continues to be non-operational

- MW-5R – Pump operational, VFD determined to have error code and now faulty; MW-5R continues to be non-operational
- MW-7R – continues to be operational

Activities completed May 9, 2024

- ERT-1
  - Pump Motor
    - Pump pulled. Motor confirmed faulty. New motor installed and tested. Pump redeployed. Issue resolved, pump operational.
  - VFD
    - Old VFD removed. New VFD installed and set up by Mactec (Tom W). VFD would not communicate with 4-20 signal from PLC. Pump ran at about 5gpm, but we had no control over it. After troubleshooting with Tom W and Eric T a call was placed to Automation Direct. The tech determined that we received a faulty unit and put us through to customer service to begin a return. Case # 1677824.
    - **NEXT STEPS**: Automation Direct contacted to have a replacement for faulty VFD sent.
  -
- MW-5R
  - Pump Motor
    - Pump pulled. Motor confirmed faulty. New motor installed and tested. Pump redeployed. Issue resolved, pump operational.
  - Packer
    - Packer and line checked for damage and leaks. No ware or damage observed. There was a buildup on the packer, but it seemed unrelated.
    - **NEXT STEPS**: Packer manufacture (Lansas) to be contacted to continue troubleshooting minor leak. The leak is slow enough that a potential solution could be to replace the nitrogen tank on monthly basis as part of our monthly O&M.
  - VFD
    - Previously no issue with this VFD (No known issue when the pump motor was dead). When the new pump motor was connected to the VFD, an error code “ocA” received – over current on acceleration. This means that the pump was drawing too much power when trying to start. Under normal circumstances this would indicate a seized motor. We had just seen the motor run. Tom W disconnected the motor from the VFD then started the well again. The same error code was received. This indicated that it was an issue with the VFD.
    - **NEXT STEPS:** VFD needs to be replaced, Automation Direct to be contacted and quote for replacement will be requested concurrently with return process of ERT-1 VFD.

Additional GWETS OMM Updates:

- pH Meter
  - pH meter not calibrating correctly.
  - **NEXT STEPS**: Part quote from GF Signet (model of electrode replacement for our unit: PN 3-2724-00) to be obtained for part replacement.

- Antenna
  - Site OMM has verified that previous connectivity issues with antenna have been resolved without requiring action. The antenna has been working without issue.
  - **NEXT STEPS**: Antenna operation will continue to be monitored; The antenna is roof mounted and require a ladder for repair and working at height which would require additional safety evaluations and planning.

Next Step Summary**:**

- VFDs: obtain replacement VFD for ERT-1, order new VFD for MW-5R; schedule Emergency Site Visit for part replacement upon part receipts; timeframe of Emergency Site Visit will be dependent upon part availability, currently being determined.

- pH meter: obtain part quote and order part; replace part at next Monthly OMM site visit

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Isaac Moser	Mactec /WSP	Associate Consultant	
Peter Golaszewski	Mactec /WSP	Associate Consultant	
Mark Felong	Mactec /WSP	Associate Consultant	
Mathew Liedtka	Mactec /WSP	Associate Consultant	
William Whitacre	Mactec /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		
Pump Puller	Field Staffe		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mark Felong	Mactec/ WSP DEC Envir Consultant
Isaac Moser	Mactec/ WSP DEC Envir Consultant
Peter Golaszewski	Mactec/ WSP DEC Envir Consultant
Mathew Liedtka	Mactec/ WSP DEC Envir Consultant
William Whitacre	Mactec/ WSP DEC Envir Consultant

Project Schedule Comments

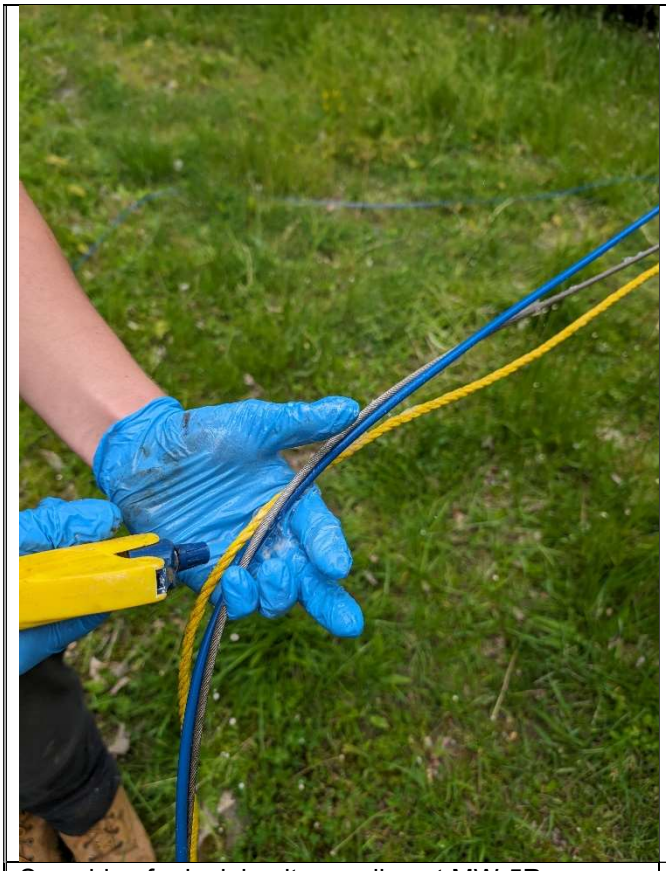
- VFDs: obtain replacement VFD for ERT-1, order new VFD for MW-5R; schedule Emergency Site Visit for part replacement upon part receipts; timeframe of

Emergency Site Visit will be dependent upon part availability, currently being determined. ○ pH meter: obtain part quote and order part; replace part at next Monthly OMM site visit
Issues Pending
VFDs need to be replaced. pH electrode needs to be replaced.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Pump Puller being used to pull pump at MW-5R	New motor attached to existing pump.

	
Pump motor wires being spliced.	Redeployment of ERT-1 Pump.

	
Searching for leak in nitrogen line at MW-5R.	VFD troubleshooting

Comments	
None.	
Site Inspector(s): Isaac Moser	**Date: 05/09/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒

Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 013
(MRIP), Site No. 356023
Date: 05/29/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(Mactec)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Clear	AM	Clear	PM
Temperature	65	AM	75	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Solar Radiation. Keep skin covered where possible. Wear sunscreen.

Summary of Work Performed	**Arrived at site:**	**0830**	**Departed Site:**	**1615**

GWETS OM&M Site Visit Summary – May 29, 2024

Non-Routine GWETS OM&M

Mactec performed an Emergency Site Visit May 29, 2024, in order to replace VFDs for ERT-1 and MW-5R. Below please find a summary of the current status, activities completed, and next steps.

Current Status

- MW-5R – The VFD was replaced at MW-5R. The larger VFD was mounted and set up in accordance with pump motor and GWETS specs. The extraction well MW-5R is now operational and operating at 16 gpm.
- ERT-1 – The defective VFD was replaced by Automation Direct under warranty. The larger VFD was mounted and set up in accordance with pump motor and GWETS specs. After 15 minutes of run time, the recently installed Goulds pump motor failed. The pump will have to be pulled to assess failure; ERT-1 continues to be non-operational.
- MW-7R – is operational and continues to operate at 12 gpm.

Activities completed May 29, 2024

- MW-5R
  - VFD
    - New VFD installed and set up by Mactec (Tom W). The extraction well is currently operating at 16 gpm.
- ERT-1
  - VFD
    - New VFD installed and set up by Mactec (Tom W). During the setup of the VFD, the VFD was running the recently installed pump motor at 30Hz for 15minutes before it stopped. The VFD displayed error code EoL1 indicating an overload.

- Pump Motor
  - After receiving the error code from the VFD, TW disconnected the motor and tested it with a megohmmeter. He determined that the motor was likely inoperable with a possibility of the issue being downhole wiring.
  - **NEXT STEPS**: Pull the pump motor to check the wiring and put a megohmmeter on the motor leads to verify that it is inoperable. If the pump motor is inoperable, start a warranty claim with Goulds for a defective pump.

Next Step Summary:

- On the 6/12/2024 site visit, pull the ERT-1 pump motor to check the wiring and put a megohmmeter on the motor leads to verify that it is inoperable. If the pump motor is inoperable, start a warranty claim with Goulds for a defective pump.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Isaac Moser	Mactec /WSP	Associate Consultant	
William Whitacre	Mactec /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

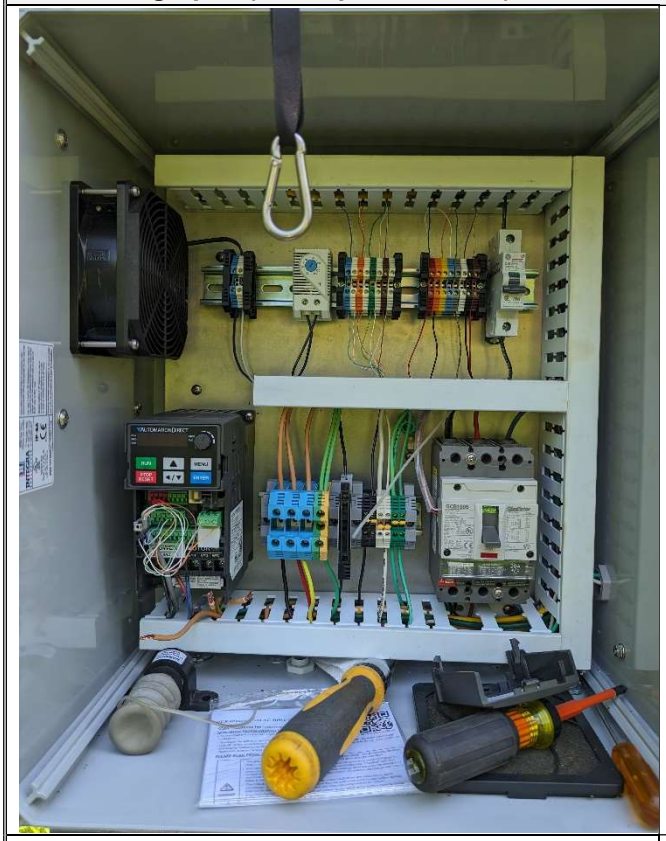
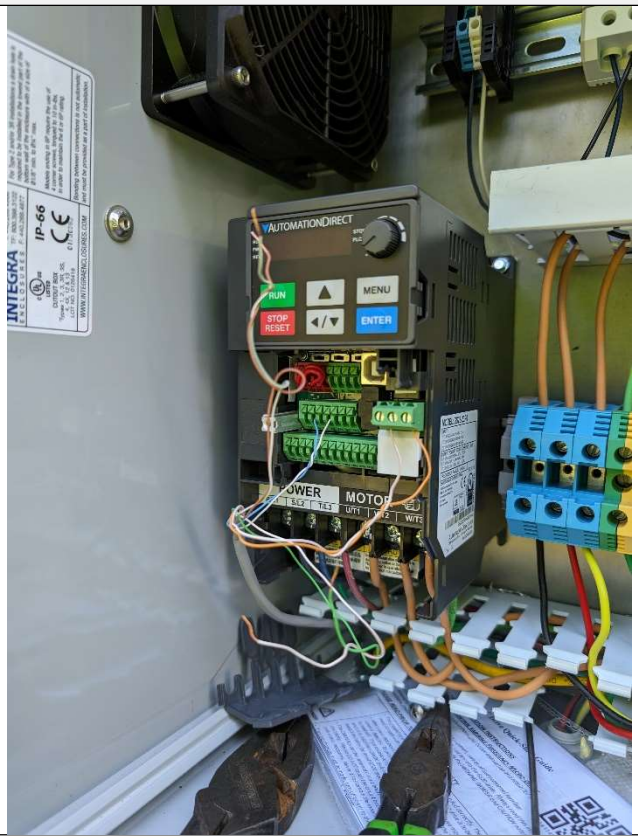
Site Representatives

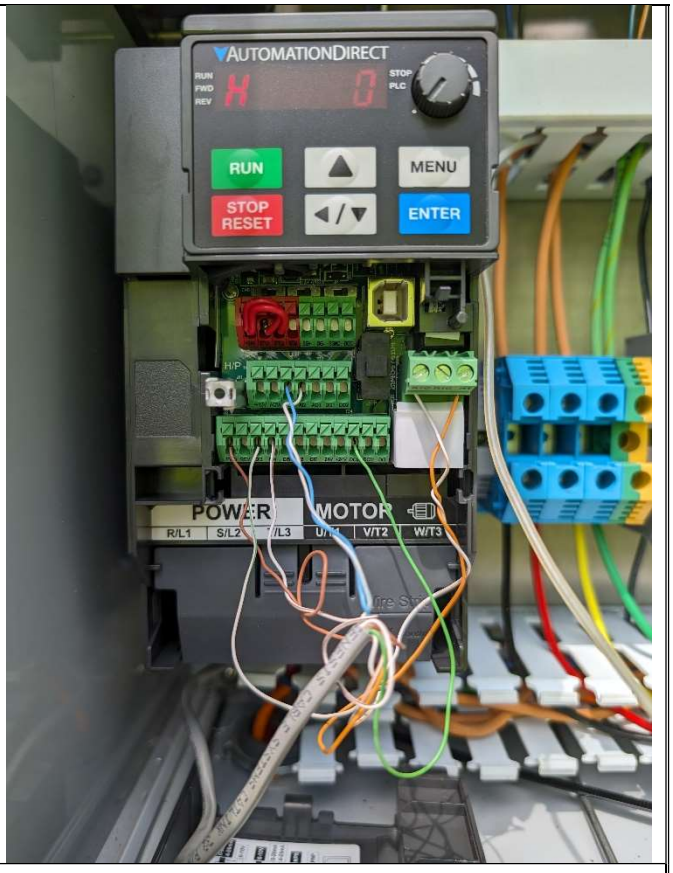
Name	Representing
Mark Felong	Mactec/ WSP DEC Envir Consultant
William Whitacre	Mactec/ WSP DEC Envir Consultant

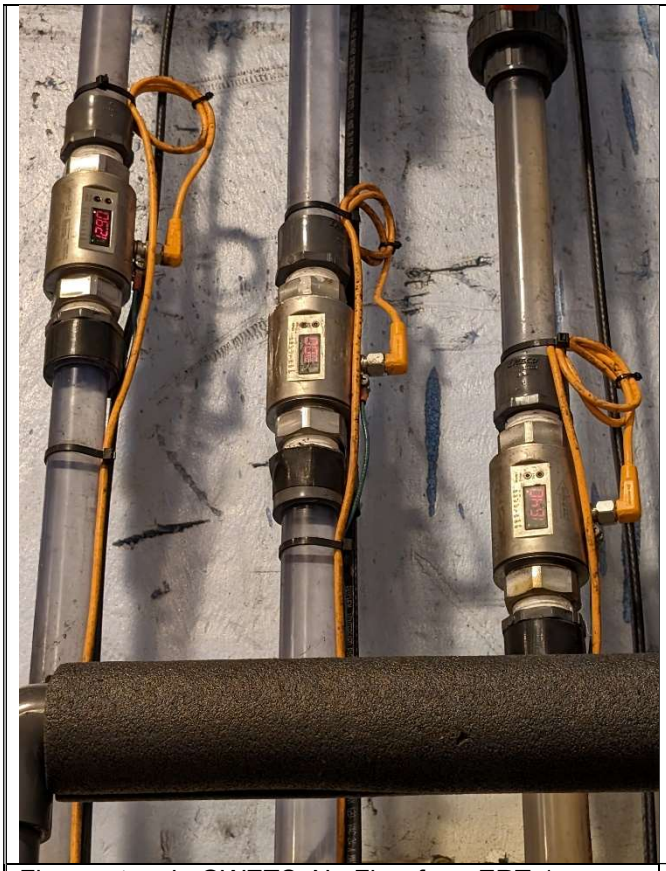
Project Schedule Comments
• On the 6/12/2024 site visit, pull the ERT-1 pump motor to check the wiring and put a megohmmeter on the motor leads to verify that it is nonoperable. If the pump motor is inoperable, start a warranty claim with Goulds for a defective pump.
Issues Pending
ERT-1 pump motor needs further troubleshooting when pulled from well. The motor may need to be replaced.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

<table>
<tr><td></td><td>
</td></tr>
<tr><td>Old VFD at MW-5R before removal.</td><td>Wiring new VFD at MW-5R.</td></tr>
</table>

	
Defective VFD previously removed at ERT-1.	New VFD installed at ERT-1.

	
Flow meters in GWETS. No Flow from ERT-1.	MW-5R flow rate 16gpm. ERT-1 flow rate 0gpm.

Comments	
None.	
Site Inspector(s): Isaac Moser	**Date: 05/29/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒

Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 014
(MRIP), Site No. 356023
Date: 06/12/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Peter Golaszewski **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Clear	AM	Clear	PM
Temperature	55	AM	60	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Pinch points when using pump puller. Keep limbs clear of moving parts.

Summary of Work Performed	**Arrived at site:**	**0830**	**Departed Site:**	**1800**

GWETS OM&M Monthly Site Visit Summary – June 12, 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- Area around the treatment plant was trimmed with the onsite trimmer
- ERT-1 remains non-operational
- GWETS performance sampling of operating wells: MW-5R, MW-7R.
- Nitrogen Tank Pressure observed at acceptable pressure
- Redux Drums: Previous redox drum showed 7" of Redux, Drum was swapped out for a new one. Currently there are three Redux drums on site

Site Building/Site Perimeter Inspection

- Everything in good condition

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- Area around SSDS fan #5 is over grown with vines and brush.
- SSDS Fans 1 and 7 are NOT in Operation.
- Fan 1 Vacuum Reading (inHg): 0 Not in operation
- Fan 2 Vacuum Reading (inHg): 0.10
- Fan 3 Vacuum Reading (inHg): 0.65 (Manometer was unable to read vacuums higher than this limit)
- Fan 4 Vacuum Reading (inHg): 0.53
- Fan 5 Vacuum Reading (inHg): 0.35
- Fan 6 Vacuum Reading (inHg): 0.45
- Fan 7 Vacuum Reading (inHg): 0 Not in operation

Non-Routine GWETS OM&M

EEEG continued troubleshooting ERT-1 pump motor and VFD. Below please find a summary of the current status, activities completed, and next steps.

Current Status

- ERT-1 – The VFD has been replaced and the pump motor was found to be non operational. ERT-1 continues to be non-operational.
- MW-5R – continues to be operational
- MW-7R – continues to be operational

Activities completed June 12, 2024

- ERT-1
  - Pump Motor
    - Pump pulled. Motor confirmed faulty, Wire coming from the control panel were also tested and confirmed to be in good condition. Motor removed and taken back to office to initiate warranty claim with the factory

Additional GWETS OMM Updates:

- pH Meter
  - pH meter not calibrating correctly.
  - **NEXT STEPS**: Part quote from GF Signet (model of electrode replacement for our unit: PN 3-2724-00) to be obtained for part replacement.

- Antenna
  - Communication loss with the GWTS was noted earlier this month. During the site visit the modem was turned off and turned back on resulting in a return of communication. This issue is not believed to be related to the antenna.
  - **NEXT STEPS**: Antenna operation will continue to be monitored; The antenna is roof mounted and require a ladder for repair and working at height which would require additional safety evaluations and planning.

Next Step Summary**:**

- ERT-1 Motor: initiate warranty claim with the manufacturer for a replacement pump. Conduct repair once the replacement pump arrives
- pH meter: obtain part quote and order part; replace part at next Monthly OMM site visit

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Golaszewski	EEEG /WSP	Consultant	
Mark Felong	EEEG /WSP	Associate Consultant	
Ryan Omslaer	EEEG /WSP	Associate Consultant	
William Whitacre	EEEG /WSP	Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		
Pump Puller	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mark Felong	EEEG/ WSP DEC Envir Consultant
Peter Golaszewski	EEEG/ WSP DEC Envir Consultant
Ryan Omslaer	EEEG/ WSP DEC Envir Consultant
William Whitacre	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments

- Pump motor: obtain replacement pump motor for ERT-1 under warranty; schedule Emergency Site Visit for part replacement upon part receipt; timeframe of Emergency Site Visit will be dependent upon part availability, currently being determined.
- pH meter: obtain part quote and order part; replace part at next Monthly OMM site visit

Issues Pending

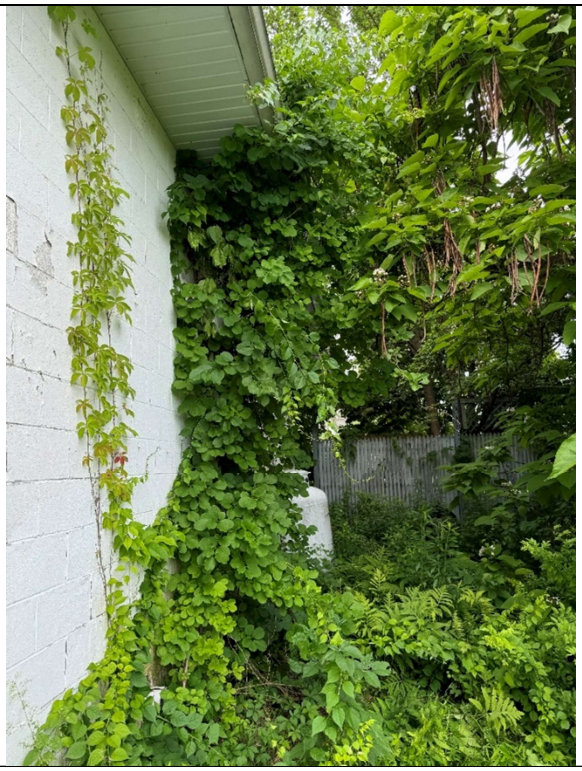
ERT-1 Pump motor needs to be replaced. pH electrode needs to be replaced.

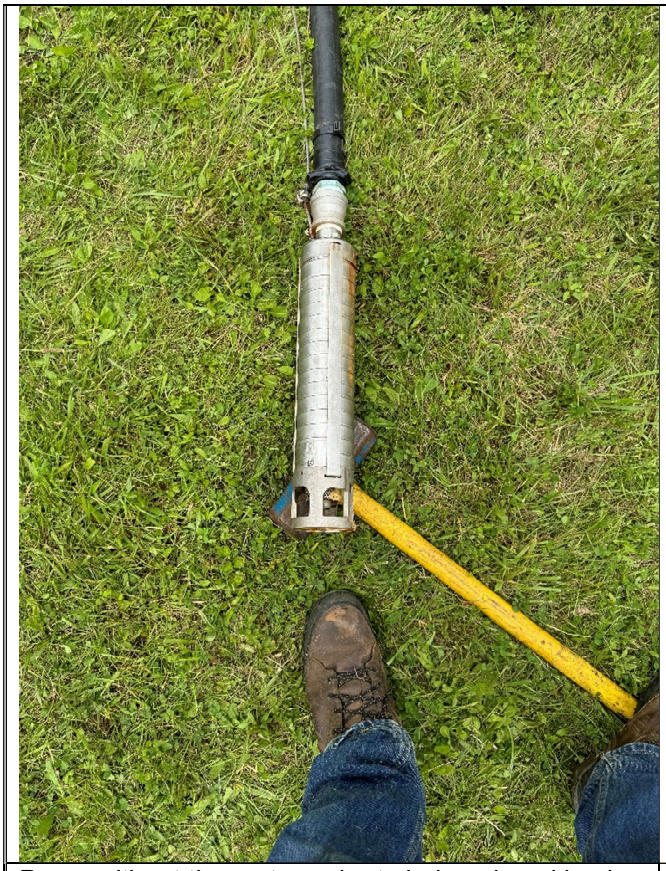
Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

	
Trimmed area around the building	Overgrowth around SSDS-5.
	
Megger testing the pump motor	Testing wires leading from control panel to motor

	
Pump without the motor, prior to being placed back into the well	Pump reinstalled

Comments	
None.	
Site Inspector(s): Peter Golaszewski	**Date: 06/12/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒

Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 015
(MRIP), Site No. 356023
Date: 07/10/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Ryan Omslaer **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Clear	AM	Clear	PM
Temperature	81	AM	86	PM
Wind	Calm	AM	0-20 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls, perform tick checks when working near vegetation.

Summary of Work Performed	**Arrived at site:**	**0745**	**Departed Site:**	**1700**

GWETS OM&M Monthly Site Visit Summary – July 10, 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- Area around the treatment plant was trimmed with the onsite trimmer
- ERT-1 remains non-operational
- MW-5R is non-operational
- GWETS performance sampling of operating wells: MW-7R.
- Nitrogen Tank Pressure observed at acceptable pressure
- Redux Drums: Previous redox drum showed 21" of Redux, Drum was swapped out for a new one. Currently there are two Redux drums on site
- When entering, it was noted that four squirrels were living with the treatment building. Upon entry they climbed into gaps in the roof.

Site Building/Site Perimeter Inspection

- Everything in good condition

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- Area around SSDS fan #5 is over grown with vines and brush.
- SSDS Fans 1 and 7 are NOT in Operation.
- Fan 1 Vacuum Reading (inHg): 0 Not in operation
- Fan 2 Vacuum Reading (inHg): 0.30
- Fan 3 Vacuum Reading (inHg): 0.58
- Fan 4 Vacuum Reading (inHg): 0.58
- Fan 5 Vacuum Reading (inHg): 0.41
- Fan 6 Vacuum Reading (inHg): 0.45
- Fan 7 Vacuum Reading (inHg): 0 Not in operation

Non-Routine GWETS OM&M

EEEG troubleshot MW-5R as it is non-operational. Staff could not manually set the pump speed to regain

operation.

Current Status

- ERT-1 – The VFD has been replaced and the pump motor was found to be non operational. ERT-1 continues to be non-operational.
- MW-5R – Currently non-operational. Staff could not manually set the pump speed.
- MW-7R – continues to be operational

Additional GWETS OMM Updates:

- pH Meter
  - pH meter not calibrating correctly.
  - **NEXT STEPS**: Part quote from GF Signet (model of electrode replacement for our unit: PN 3-2724-00) to be obtained for part replacement.

- Antenna
  - Communication loss with the GWTS was noted earlier in June 2024. During the June site visit the modem was turned off and turned back on resulting in a return of communication. This issue is not believed to be related to the antenna.
  - **NEXT STEPS**: Antenna operation will continue to be monitored; The antenna is roof mounted and require a ladder for repair and working at height which would require additional safety evaluations and planning.

Sitewide Survey

- Brian Neer and Evan DiMarco, of Control Point Associates, performed a survey of the site. Additionally, they surveyed the topography of the proposed solar array location.
- EEEG collected site photographs of the general area of the proposed solar array location to be used in the Basis of Design completion.

Next Step Summary**:**

- ERT-1 Motor: initiate warranty claim with the manufacturer for a replacement pump. Conduct repair once the replacement pump arrives
- pH meter: obtain part quote and order part; replace part at next Monthly OMM site visit

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Ryan Omslaer	EEEG /WSP	Associate Consultant	
Matthew Liedtka	EEEG /WSP	Associate Consultant	
Brian Neer	CPA	Surveyor	
Evan DiMarco	CPA	Surveyor	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Ryan Omslaer	EEEG/ WSP DEC Envir Consultant
Matthew Liedtka	EEEG/ WSP DEC Envir Consultant
Brian Neer	Control Point Associates
Evan DiMarco	Control Point Associates

Project Schedule Comments

- Pump motor: obtain replacement pump motor for ERT-1 under warranty; schedule Emergency Site Visit for part replacement upon part receipt; timeframe of Emergency Site Visit will be dependent upon part availability, currently being determined.
- pH meter: obtain part quote and order part; replace part at next Monthly OMM site visit

Issues Pending

ERT-1 Pump motor needs to be replaced. pH electrode needs to be replaced.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

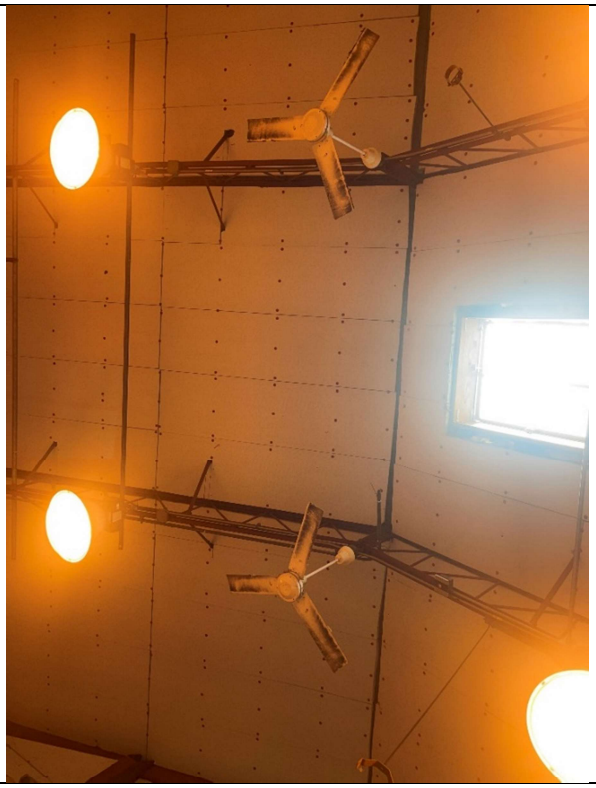
Site Photographs (Descriptions Below)



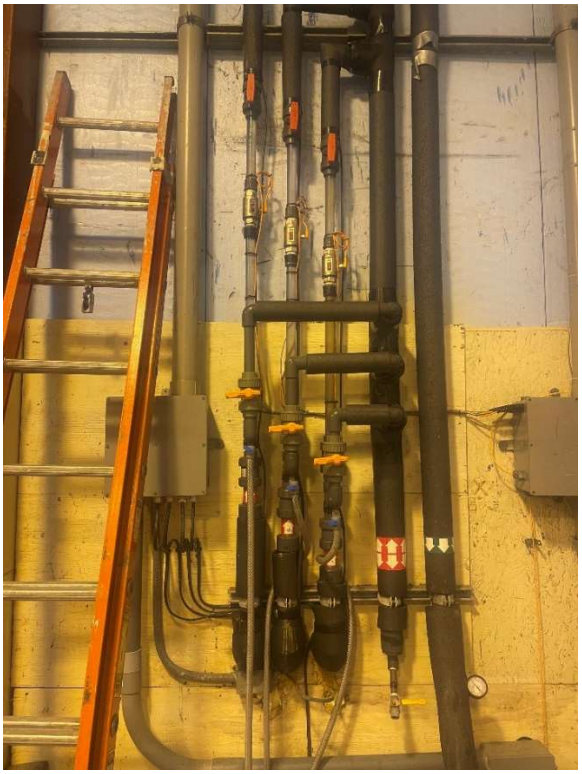
Purging of SVE wells.



Control panel of MW-5R.



Area where squirrels entered roof.



Flow meters of recovery wells.

Comments	
None.	
Site Inspector(s): Ryan Omslaer	**Date: 07/10/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 017
(MRIP), Site No. 356023
Date: 07/31/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Ryan Omslaer **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Clear	AM	Clear	PM
Temperature	79	AM	81	PM
Wind	Calm	AM	0-30 mph	PM

Health & Safety If any box below is checked "Yes", provide explanation under "Health & Safety Comments".			
Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls, perform tick checks when working near vegetation.

Summary of Work Performed	**Arrived at site:**	**0745**	**Departed Site:**	**1500**

GWETS OM&M Site Visit Summary – July 31, 2024

Non-Routine GWETS OM&M

EEEG performed an Emergency Site Visit July 31, 2024, in order to replace the pump motor for ERT-1 and manually reset the pump speed for MW-5R. Below please find a summary of the current status, activities completed, and next steps.

Current Status

ERT-1

- The defective pump motor was replaced by Goulds pump manufacture under warranty. On July 31, 2024, the pump was pulled to replace the pump motor part. Lines were inspected and spliced to the replacement pump. The pump and motor were confirmed operational after the pump motor replacement.
- Due to low pump speed, which was unable to be increased through the VFD, the pump was automatically shut down.
- Additional VFD evaluations to set the pump speed scheduled for August 8, 2024.

MW-5R

- The VFD was recently replaced at MW-5R. The larger VFD was mounted and set up in accordance with pump motor and GWETS specs. During the July 2024 monthly OMM site visit, MW-5R stopped operating and was not able to be manually reset.
- On July 31, 2024, the pump speed for MW-5R was manually set by EEEG through the VFD. The MW-5R extraction well is now operational and operating at 15.7 gpm.

MW-7R

- MW-7R is operational and continues to operate at 11.7 gpm.

Next Step Summary**:**

- On August 8, 2024 EEEG and LaBella will be on site to evaluate the performance and operation of the extraction wells and specifically review the VFD programing for troubleshooting and implementation of adjustments as required.
- ERT-1 pump VFD will be evaluated and pumping speed set to bring the extraction well back online.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours
Ryan Omslaer	EEEG /WSP	Associate Consultant	
Mark Felong	EEEG /WSP	Field Technician	
William Whitacre	EEEG /WSP	Lead Consultant	

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Ryan Omslaer	EEEG/ WSP DEC Envir Consultant
Mark Felong	EEEG/ WSP DEC Envir Consultant
William Whitacre	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments

- pH meter: obtain part quote and order part; replace part at next Monthly OMM site visit

Issues Pending

pH electrode needs to be replaced.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Replacement pump for ERT-1.	Pump puller on top of ERT-1.

	
Flow meters of recovery wells.	

Comments	
None.	
Site Inspector(s): Ryan Omslaer	**Date: 07/31/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 018
(MRIP), Site No. 356023
Date: 08/08/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – Aztech

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Overcast, Rain	AM	Overcast, Rain	PM
Temperature	71	AM	81	PM
Wind	Calm	AM	0-30 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls (wet grass/surfaces).

Summary of Work Performed	**Arrived at site:**	**0830**	**Departed Site:**	**1600**

GWETS OM&M Site Visit Summary – August 8, 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- Area around the treatment plant was NOT trimmed due to rain
- ERT-1 remains non-operational – Aztech plans to return 8/13/24 to address
- MW-5R is non-operational – Aztech plans to return 8/13/24 to address
- GWETS performance sampling of operating wells: MW-7R.
- Nitrogen Tank Pressure observed at acceptable pressure
- Redux Drums: Currently there are two and a half Redux drums on site (including the one currently being used).
- On arrival it was noticed that the floor was wet. This was expected as we received a wet floor alarm. It was diagnosed as being an issue with the air stripper. The problem was addressed, and the system was turned back on. The air stripper did not make pressure quickly enough after a brief shutdown to turn on. The set points were changed and the air stripper returned to operational status, making the expected pressure.

Site Building/Site Perimeter Inspection

- Everything in good condition

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- SSDS Fans 1 and 7 are NOT in Operation.
- Fan 1 Vacuum Reading (inHg): 0 Not in operation
- Fan 2 Vacuum Reading (inHg): 0.204
- Fan 3 Vacuum Reading (inHg): 0.696
- Fan 4 Vacuum Reading (inHg): 0.612
- Fan 5 Vacuum Reading (inHg): 0.337
- Fan 6 Vacuum Reading (inHg): 0.467
- Fan 7 Vacuum Reading (inHg): 0 Not in operation

Non-Routine GWETS OM&M

EEEG also performed a site visit with Aztech on August 8, 2024, to evaluate ERT-1 and MW-5R VFDs, evaluate time delay relay installation, evaluate the air stripper, evaluate SSDS repairs, install new effluent pH electrode and next steps.

Current Status

ERT-1 and MW-5R VFDs

- Aztech was able to get both VFDs to respond to speed signals from the system, however the start/stop signals were not working properly. T.Bohn (Aztech) took the spare VFD to continue to troubleshoot, he will also work on alternate ways to achieve the same functionality. He currently plans to return to the site to fix the VFDs next Tuesday 8/13/24. ERT-1 and MW-5R were left in non-operation status and power to the two extraction wells was turned off at the plant. Additional activities will be implemented to return the extraction wells to operational status during the next scheduled site visit, 8/13/24.

Time Delay Relay

- T. Bohn evaluated and will install the time delay relay equipment part when he returns to the site to complete the VFD work (planning for Tuesday 8/13/2024). The time delay relay will be supplied by Aztech.

Air Stripper

- The air stripper looks okay by visual inspection. Aztech will schedule to visit the site to perform maintenance on the air stripper. While it is apart they will evaluate the condition further to try to come up with a solution for the breakthrough. The additional required activities will be scheduled prior to the September monthly OMM site visit and performance sampling.

SSDS

- Fan 7 has power, but the fan is bad. Aztech will make arrangements to replace the fan.
- Fan 1 needs to have a permanent power source evaluated; to be completed during future SSDS activities.
- Vapor pins for sub slab vacuum readings need to be located or installed; to be completed during future SSDS activities. No internal building areas were inspected during the 8/8/24 site visit.
- Aztech plans to evaluate the SSDS system during the same visit as the air stripper maintenance/evaluation to be conducted prior to the September monthly OMM site visit and performance sampling.

pH Electrode

- New pH electrode (part supplied by EEEG) for the system effluent was successfully installed and verified operational.

Next Step Summary**:**

- On August 13, 2024, Aztech will be on site to additional GWETS OMM activities, including continued troubleshooting of VFDs and time delay relay part installation.
- Aztech will schedule a site visit prior to the September monthly OMM site visit for the maintenance and evaluate of GWETS components including the air stripper, as well as continued evaluation of the SSDS system and Fan #7 replacement.
- EEEG will coordinate with Aztech for the gate installation in the vicinity of extraction well MW-7R.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Isaac Moser	EEEG /WSP	Associate Consultant	7.5
Mark Felong	EEEG /WSP	Field Technician	6.5
Paul Garipov	EEEG /WSP	Early Career Env Engineer	6.5
Terrence Bohn	Aztech		7
Elliery Carter	Aztech		6.5
James Bellanca	Aztech		6.5
Charles Gregory	DEC	Mohonk Project Manager	2

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Terrence Bohn	Aztech	**Yes**	**No X**
Elliery Carter	Aztech	**Yes**	**No X**
James Bellanca	Aztech	**Yes**	**No X**

Site Representatives

Name	Representing
Isaac Moser	EEEG/ WSP DEC Envir Consultant
Mark Felong	EEEG/ WSP DEC Envir Consultant
Paul Garipov	EEEG/ WSP DEC Envir Consultant
Charles Gregory	DEC

Project Schedule Comments

- 8/13/24 Terrence Bohn (Aztech) will visit the site to complete work on VFDs and install the time delay relay switch (switch provided by Aztech).
- Aztech will schedule a future site visit prior to the September monthly OMM site to
  - install a new fan at location 7 on the SSDS system. They will also get access to the building to find vapor points or install them if necessary. And will evaluate/run power for fan 1. visit will be scheduled visit..
  - perform maintenance and evaluation of the air stripper
- EEEG will coordinate with Aztech PM for gate repair at MW-7R.

Issues Pending
VFD start stop signal solution. Terrence Bohn plans to have this fixed on 8/13/2024.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Air stripper making correct pressure	Air Stripper

	
New pH electrode installed	New Redux Drum
	
Panel box that sends VFDs commands	EOS ProControl PLC

	
Terrence Bohn working on the PLC	Tool used by TB to program VFDs at ERT-1 & MW-5R

Comments	
None.	
Site Inspector(s): Isaac Moser	**Date: 08/08/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒

Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒

Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

MEETING SIGN IN

Job Title	Mohonk Road Industrial Plant Site (MRIP), NYSDEC Site # 356023		
Project Number	US-EI-7772210116	**Date** 8/8/24	August 8, 2024
Time	9:00 am	**Venue**	MRIP Site 186 Mohonk Rd, High Falls, NY 12440
Purpose	Mohonk WSP/LaBella OMM Site Visit		

ATTENDEES

Name	Company	Phone	Email
Isaac Moser	WSP	8143803652	isaac.moser@wsp.com
TERRENCE BOHN	LaBELLA	(518)852-0666	tbohn@labellapc.com
Ellicy Carter	LaBella	(518) 226-9990	Ecarter@LabellaPC.Com
James Bellanca	LaBella	(518)-545-7892	jbellanca@labellapc.com
Mark Ferony	WSP	609-64-2777	mark.ferony@wsp.com
Paul Garipov	WSP	347-697-0883	paul.garipov@wsp.com
Charles Gregory	DEC	518-~~284-1179~~ 402-8246	charles.gregory@dec.ny.gov

DAILY INSPECTION REPORT – OM&M 019
(MRIP), Site No. 356023
Date: 08/13/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Mathew Liedtka **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – Aztech

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Clear	AM	Clear	PM
Temperature	71	AM	81	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls. Make sure your work area is tidy and free of trip hazards Always be aware of your surroundings.

Summary of Work Performed	**Arrived at site:**	**0830**	**Departed Site:**	**1515**

GWETS OM&M Site Visit Summary – August 13, 2024

Non-Routine GWETS OM&M

EEEG performed a site visit with Aztech on August 13, 2024, to continue troubleshooting and reprograming of the ERT-1 and MW-5R VFDs, and install the time delay relay.

As a recap, during the site visit on August 8, 2024 the new VFD's at the MW-5R and ERT-1 locations were not responding to the remote run signals coming from the main controller. During that visit Terrence Bohn of Aztech attempted to reprogram them to fix that but was unsuccessful. The pump speed signals generated by the ProControl are being received and recognized by the drives but not the start/stop signals which is an unusual situation.

To further investigate the issue described above, between the August 8, 2024 and August 13, 2024 site visits, Aztech continued to troubleshoot the VFD issues using the onsite VFD spare purchased for the site as backup. The spare VFD acted as one would expect when programmed for remote operation indicating a physical issue with the VFDs installed at ERT-1 and MW-5R. The working hypothesis is that perhaps electrical surge damage affected those circuits responsible for recognizing the start/stop command in ERT-1 and MW-5R VFDs. We might discuss suppression devices on those circuits like on the analog ones.

8/13/2024 Visit Summary

First, Aztech unwired and removed the damaged VFD from Well 5R and replaced it with the new one. The installation of the VFD replacement was successful and MW-5R was returned to operational status and is currently pumping at 11 gpm.

ERT-1 is currently not in an operable condition. That VFD is not seeing the remote start/stop signal. It can be programmed to run from the keypad at the wellhead, but it is overamping at any speed that could run the pump. There is also an issue with the pump power cable being taut as if holding the pump weight (see photolog below) as well as the fact that the stainless-steel cable that is designed to do that has a couple of feet of slack in it. The field team did try reversing motor direction but that did not help the overamping problem. Aztech believes we need to remove the pump and packer assembly to further diagnose this situation. The process to troubleshoot the issue will require a minimum of 4 people for a couple of hours.

Prior to leaving the site, Aztech installed a programmable mini time clock set up to reboot the cellular modem each day in the wee hours. This should help with keeping the cellular modem on line.

Aztech and EEEG logged onto Automation Direct to look at available VFD's. The VFD's (GS23-22P0) that were originally installed are back in stock in Atlanta. The manufacture has 44 in stock on August 13, 2024 (today, August 14,2024, they have 33). At $213 delivered, it is recommended to order some ASAP. It is suggested to get one for ERT-1, and at least one spare.

Current Status

MW-5R VFDs

- Aztech replaced the VFD at MW-5R with the spare VFD on site. The well is currently operational and pumping at 11 gpm.

ERT-1 VFD

- The well is currently down. The VFD is faulty. A replacement VFD should be ordered and the pump pulled for inspection (taught wire).

Time Delay Relay

- T. Bohn installed the time delay relay. The time delay relay was supplied by Aztech.

Next Step Summary**:**

- Order replacement VFD for ERT-1 and schedule a site visit to replace the VFD and pull the pump to inspect the power cable. An additional VFD will also be ordered to replace the onsite backup VFD.
- Discuss electric suppression devices for VFD circuits.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Mathew Liedtka	EEEG /WSP	Associate Consultant	6.8
Terrence Bohn	Aztech		6.8

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
Terrence Bohn	Aztech	**Yes**	**No X**

Site Representatives	
Name	**Representing**
Mathew Liedtka	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments

- EEEG will coordinate with Aztech for VFD repair at ERT-1.

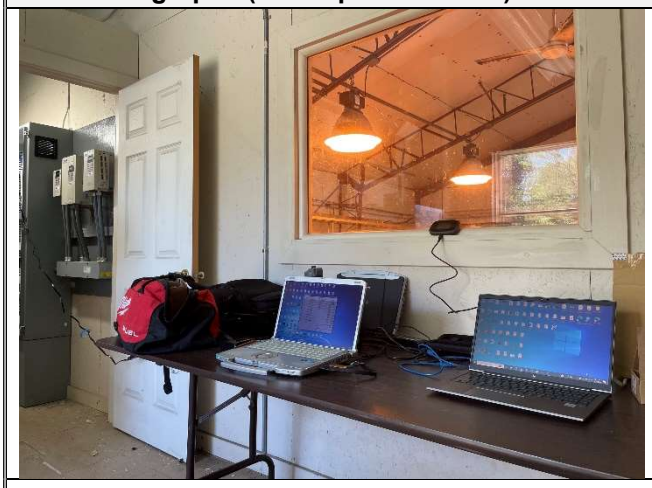
Issues Pending

ERT-1 VFD start stop signal solution. Replacement pending receipt of replacement VFD.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Aztech connected to PLC	New VFD installed at MW-5R
	
ERT-1 power wire tension.	Time delay relay switch installed

Comments	
None.	
Site Inspector(s): Mathew Liedtka	**Date: 08/13/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒

Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 020
(MRIP), Site No. 356023
Date: 09/06/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – Aztech

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Sunny	AM	Sunny	PM
Temperature	54	AM	75	PM
Wind	Calm	AM	0-30 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls (wet grass/surfaces).

Summary of Work Performed	**Arrived at site:**	**0845**	**Departed Site:**	**1400**

GWETS OM&M Site Visit Summary – September 6, 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- ERT-1 remains non-operational – Aztech plans to return 9/9/24 to address
- MW-5R is operational
- Nitrogen Tank Pressure observed at acceptable pressure
- Redux Drums: Currently there are two and a half Redux drums on site (including the one currently being used).
- Monthly performance sampling not completed. To be performed after 9/9/24 scheduled ERT-1 repairs.

Site Building/Site Perimeter Inspection

- Everything in good condition

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- SSDS Fans 1 and 7 are NOT in Operation.
- Vacuum readings not available for inclusion of DIR.

GWETS Performance Sampling:

- Set to occur on 09/10/2024 due to upcoming fixture on ERT-1

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Matthew Liedtka	EEEG /WSP	Associate Consultant	5.5
Mark Felong	EEEG /WSP	Field Technician	5.5

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No X**
		Yes	**No X**
		Yes	**No X**

Site Representatives

Name	Representing
Matthew Liedtka	EEEG/ WSP DEC Envir Consultant
Mark Felong	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments

- Aztech will schedule a future site visit on 09/9/2024 to
  - Replace existing SSDS Fan 7
  - Conduct preliminary site building inspection for identification of existing sub-slab vapor vacuum points.
  - Evaluate power issues at Fan 1
  - Perform Air Stripper maintenance and evaluation

Issues Pending
VFD start stop signal solution. Further evaluation of ERT-1 will continue on site visits scheduled on 9/9/24.
Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
SVE-19	SVE-21

	
SVE-22	

Comments	
None.	
Site Inspector(s): Matthew Liedtka	**Date: 09/06/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒

Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 021
(MRIP), Site No. 356023
Date: 09/09/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Mathew Liedtka **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – Aztech

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Clear	AM	Clear	PM
Temperature	46	AM	72	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls. Make sure your work area is tidy and free of trip hazards Always be aware of your surroundings.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**1430**

GWETS OM&M Site Visit Summary – September 09, 2024

Non-Routine GWETS OM&M

9/09/2024 Visit Summary

EEEG and LaBella (Aztech) commenced field activities by removing the existing pump, transducer and packer from ERT-1 to diagnose the VFD over-amping issue. Upon removal, the wire, pump and motor were all inspected to look for burn marks, knicked wires and other anomalies. No anomalies were found in the diagnosis. Pump was tested out of well and confirmed that motor and pump operate without issue.

ERT-1 pump wires and cables were untangled and the packer and was reinstalled and inflated. Once inflated, the packer was found to float and rise up from its set installation depth position in the well. Therefore, the components were removed again from well and the pump, piping and packer were left out of the well overnight with permission from the property owner (High Falls Water).

Additional packer assessment and VFD testing to be resumed on 9/10/24 upon T. Bohn's (LaBella) return to the site.

The remainder of the day's activities included the Air Stripper inspection and maintenance. After the Air Stripper viewing window was removed, it was found to have little calcium buildup and no calcium buildup was noted to block the components (holes or hoses). The viewing window was reinstalled and system restarted with no leaks.

EEEG and LaBella to return to Site on 9/10/24 to continue ERT-1 packer and VFD assessment and repair, and SSDS interior building inspections.

Current Status/Next Steps:

ERT-1 VFD

- The well is currently down. VFD replaced, pump currently put off well to finish on 9/10/24

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Mathew Liedtka	EEEG /WSP	Associate Consultant	5.5
Terrence Bohn	Aztech/LaBella		5
Paul Garipov	EEEG/WSP	Early Career Environmental Engineer	5
Elliery Carter	Aztech/LaBella		5
Nate Shaw	Aztech/LaBella		5
Frank Zabel	Aztech/LaBella		5

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Terrence Bohn	Aztech/LaBella		**No X**
Elliery Carter	Aztech/LaBella		**No X**
Nate Shaw	Aztech/LaBella		**No X**
Frank Zabel	Aztech/LaBella		**No X**

Site Representatives

Name	Representing
Mathew Liedtka	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments

- EEEG will coordinate with Aztech for VFD repair at ERT-1.

Issues Pending

ERT-1 VFD start stop signal solution. Replacement pending receipt of replacement VFD.

Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
ERT-1 Panel	ERT-1 Packer/Pump Removal

	
ERT-1 after pump and packer removed	Air Stripper maintenance

Comments	
None.	
Site Inspector(s): Mathew Liedtka	**Date: 09/09/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 022
(MRIP), Site No. 356023
Date: 09/10/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Mathew Liedtka **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – Aztech

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Clear	AM	Clear	PM
Temperature	54	AM	75	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls. Make sure your work area is tidy and free of trip hazards Always be aware of your surroundings.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**1655**

GWETS OM&M Site Visit Summary – September 10, 2024

Non-Routine GWETS OM&M

ERT-1 Assessments and Repairs
EEEG and LaBella (Aztech) commenced the field work by creating a well-safe weight to attach to the bottom of the packer to weigh it down and prevent the packer from rising in the well. Once the weight apparatus was constructed it was attached to the bottom of the packer and the packer was installed at the correct set depth and inflated; the device was able to inflate at the depth and did not shift once inflated.

The pump was next to be lowered into the well, and cables and wires connected to the pump were secured by cable ties. Cables and wires were lowered neatly into the well and mounted as required. The transducer was lowered in and secured.

The VFD was reprogramed to operate the ERT-1 pump. The VFD ran the pump successfully for approximately 5 before resulting in a fault code. T. Bohn (LaBella) continued to diagnose the issue and reprogramed the VFD code; ERT-1 was successfully returned to operational status.

SSDS Repairs and Inspections
EEEG and LaBella paused work at ERT-1 to commence SSDS inspection and repairs to facilitate building manager's availability at noon. LaBella removed the old blower housing at SSDS Fan #7 and replaced with new box and blower fan as seen in photos below.

The property manager permitted insufficient building access time to complete the full internal building inspection. Additionally, all areas within the building were unable to access as the property manager required keys for the locked doors. Therefore, the power to SSDS Fan#1 was not able to be evaluated or powered and EEEG and LaBella were unable to complete the inspection to locate the interior building vapor points.

Monthly Performance Sampling
GWETS performance sampling was completed on 9/10/24 after the completion of the ERT-1 repair and return to operational status. Note: ERT-1 was pumped for a minimum of one hour prior to performance sample collection. EEEG collected performance samples for the Influent, Effluent, MW-5R, MW-7R and ERT-1 for monthly parameters.

Current Status/Next Steps:

ERT-1 VFD

- The well is currently operational and pumping at around 9 gpm

SSDS

- Additional access to the interior building is required to:
  - Verify the presence or absence of the EPA installed sub slab vapor points.
  - Evaluate the power issue at SSDS Fan#1

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Mathew Liedtka	EEEG /WSP	Associate Consultant	8
Terrence Bohn	LaBella/Aztech		7
Elliery Carter	LaBella/Aztech		7
Nate Shaw	LaBella/Aztech		7

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Terrence Bohn	Aztech		**No X**
Elliery Carter	Aztech		**No X**
Nate Shaw	Aztech		**No X**
			No X

Site Representatives

Name	Representing
Mathew Liedtka	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments
○ EEEG will coordinate with Aztech for SSDS 1 power hookup and vapor point search

Issues Pending
Evaluating power issue for SSDS Fan#1; Internal building inspection to determine location of EPA installed sub slab vapor points.

Interaction with Public, Property Owners, Media, etc.
None

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)



Weight added on Packer



ERT-1 pump deployment

	
ERT-1 New VFD	SSDS 7 New Blower and Box

Comments	
None.	
Site Inspector(s): Mathew Liedtka	**Date: 09/10/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 023
(MRIP), Site No. 356023
Date: 10/09/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – Aztech

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Overcast	AM	Clear	PM
Temperature	55	AM	65	PM
Wind	Calm	AM	calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Slips, trips, and falls (uneven surfaces).

Summary of Work Performed	**Arrived at site:**	**0800**	**Departed Site:**	**1600**

GWETS OM&M Site Visit Summary – October 9, 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- GWETS performance sampling of operating wells: ERT-1, MW-5R and MW-7R. All extraction wells operational.
- Nitrogen Tank Pressure observed at acceptable pressure
- Redux Drums: Currently there are one and a half Redux drums on site (including the one currently being used).

Site Building/Site Perimeter Inspection

- Everything in good condition

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- SSDS Fans 1 and 7 have been repaired – All Fans Operational
- Fan 1 Vacuum Reading (inHg): 0.331
- Fan 2 Vacuum Reading (inHg): 0.092
- Fan 3 Vacuum Reading (inHg): 0.808
- Fan 4 Vacuum Reading (inHg): 0.551
- Fan 5 Vacuum Reading (inHg): 0.220
- Fan 6 Vacuum Reading (inHg): 0.441
- Fan 7 Vacuum Reading (inHg): 0.882

Non-Routine GWETS OM&M

EEEG also performed a site visit with Aztech on October 9, 2024, to evaluate the on-site commercial building SSDS system, install surge suppressors in the GWETS to protect VFDs, install atmospheric bellows to the level troll vent tubes at each extraction well, add programming to VFDs at MW-5R and MW-7R, and evaluate/replace sacrificial anodes in extraction wells.

Current Status

SSDS system

- Aztech was able to wire temporary power to SSDS fan #1. All the SSDS fans are now running.
- WSP and Aztech conducted an evaluation/search for permanent sub slab vapor points; 8 of the 24 points were located and vacuum readings were collected.
- One of the points, SGP-11, was damaged. Many of the sub slab points were blocked by clutter/tenant operations (example in photos section).
- A photolog and summary of the findings of the SSDS inspection will be compiled for distribution.

Surge Suppressors

- Aztech (T. Bohn) installed surge suppressors in the GWETS building PLC cabinet to protect VFDs at wellheads from damage from electrical surges.

Vent Tube Atmospheric Bellow Installation

- Bellows were installed on the level indicator vent tubes at each extraction well.

VFD programming

- Extraction wells MW-5R and MW-7R were programmed to send a running signal to the control system when they are in operation. The reprogramming was required to correct an signal issue that would indicate within the Daily Reports that the pumps were off when they were actually operational based on documented groundwater flow rates being reported from each well.

Sacrificial Anodes

- Aztech obtained new sacrificial anodes to install at the extraction wells, however, the parts they obtained were too large (slightly) to fit past the pitless adapter of the well. Smaller sacrificial anodes will be obtained to replace the sacrificial anodes during the next monthly OM&M site visit. ERT-1 and MW-5R both currently have sacrificial anodes (nose cone style), MW-7R does not currently have a sacrificial anode (since Jan 2024).

Next Step Summary**:**

- EEEG will confer with NYSDEC to decide next steps for the SSDS. Photolog and deeper dive into historical documents to follow.
- Sacrificial anodes will be sought out for the extraction well level sensors to be replaced during a future visit (not an urgent task).

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Isaac Moser	EEEG /WSP	Consultant, Env Science	8
Mark Felong	EEEG /WSP	Field Technician	6.5
Paul Garipov	EEEG /WSP	Early Career Env Engineering	6.5
Peter Golaszewski	EEG/WSP	Consultant, Env Engineering	4
Terrence Bohn	Aztech		6
Elliery Carter	Aztech		4
Nathaniel Shaw	Aztech		4

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	**Imported/ Delivered to Site**	**Exported off Site**	**Waste Profile (If Applicable)**	**Source or Disposal Facility (If Applicable)**	**Daily Loads**	**Daily Weight (tons)***

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Terrence Bohn	Aztech	**Yes**	**No X**
Elliery Carter	Aztech	**Yes**	**No X**
Nathaniel Shaw	Aztech	**Yes**	**No X**

Site Representatives

Name	Representing
Isaac Moser	EEEG/ WSP DEC Envir Consultant
Mark Felong	EEEG/ WSP DEC Envir Consultant
Paul Garipov	EEEG/ WSP DEC Envir Consultant
Peter Golaszewski	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments

- N/A

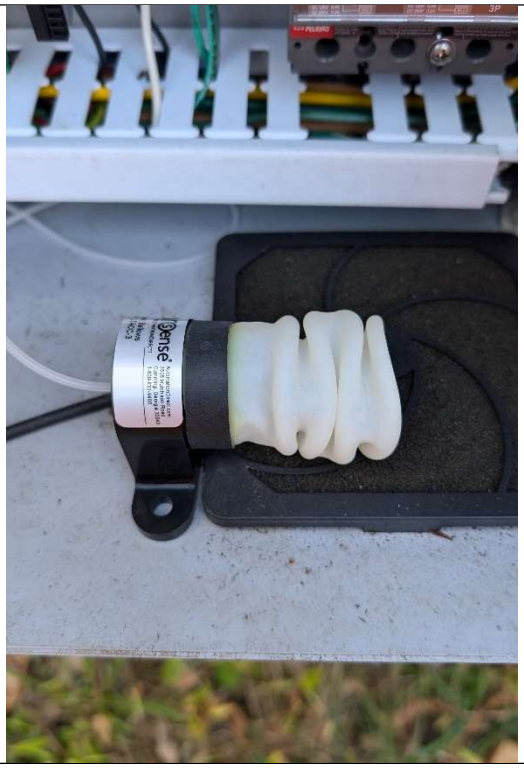
Issues Pending

Sacrificial anodes to be replaced at ERT-1 and MW-5R, installed at MW-7R (low priority)

Interaction with Public, Property Owners, Media, etc.

EEEG and Aztech entered the Mohonk Industrial Plant Arts building with the property manager (Mary of Craig's Closet)

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
SSDS fan #1 repaired	Monometer used for SSDS vacuum readings
	
New Surge Suppressors installed (red devices)	New Bellows installed at each extraction well

	
VFD programming	EOS ProControl PLC
	
Sacrificial Anode	Tool used by TB to program VFDs at ERT-1 & MW-5R

	
SSDS vapor point	Example of clutter blocking vapor points

Comments	
None.	
Site Inspector(s): Isaac Moser	**Date: 10/09/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒

Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 024
(MRIP), Site No. 356023
Date: 11/13/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Isaac Moser **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions				
General Description	Overcast	AM	Clear	PM
Temperature	40	AM	45	PM
Wind	Calm	AM	calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Hunting season. Be aware of surroundings, wear hi-vis.

Summary of Work Performed	**Arrived at site:**	**0800**	**Departed Site:**	**1300**

GWETS OM&M Site Visit Summary – November 13, 2024

EEEG Site Meeting

- EEEG field staff end of year meeting to discuss changes to routine OM&M visits (no SVE purge, new readings to collect) and expectations moving forward into the new year.

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- GWETS performance sampling of operating wells: ERT-1, MW-5R and MW-7R. All extraction wells operational. Samples picked up on site by Alpha Analytical lab courier.
- Nitrogen Tank and System Pressure observed at acceptable pressure (observed in building and at each wellhead – values recorded in Field OM&M documentation)
- Redux Drums: Last redux drum put into service. Still about 8" of redux in previous drum. The system is using about ½ drum/month. The site will need a shipment of Redux for the January visit.

Site Building/Site Perimeter Inspection

- Everything in good condition
- Made sure the heat trace is on with cold nighttime temperatures.

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- All Fans Operational and stacks in good condition
- Fan 1 Vacuum Reading (inHg): 0.382
- Fan 2 Vacuum Reading (inHg): 0.242
- Fan 3 Vacuum Reading (inHg): 0.811
- Fan 4 Vacuum Reading (inHg): 0.601
- Fan 5 Vacuum Reading (inHg): 0.280
- Fan 6 Vacuum Reading (inHg): 0.432
- Fan 7 Vacuum Reading (inHg): 0.861

Non-Routine GWETS OM&M

- Made sure that MW-7R level troll was fully deployed.

Current Status

GWETS

- System is operating as intended. All equipment in working order.

SSDS

- All fans are running, and stacks are in good shape.

Next Step Summary**:**

- EEEG will coordinate to have more Redux delivered to the site on or before the January 2025 OMM visit.
- Sacrificial anodes will be sought out for the extraction well level sensor at MW-7R, to be replaced during a future visit (not an urgent task).

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Isaac Moser	EEEG/WSP	Consultant, Env Science	5
Mark Felong	EEEG/WSP	Field Technician	2
Paul Garipov	EEEG/WSP	Early Career Env Engineering	4
Peter Golaszewski	EEEG/WSP	Consultant, Env Engineering	3

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No X**
		Yes	**No X**
		Yes	**No X**

Site Representatives

Name	Representing
Isaac Moser	EEEG/ WSP DEC Envir Consultant

Mark Felong	EEEG/ WSP DEC Envir Consultant
Paul Garipov	EEEG/ WSP DEC Envir Consultant
Peter Golaszewski	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments
○ N/A
Issues Pending
• Sacrificial anode to be installed at MW-7R (low priority). • More redux to be ordered by the January routine visit.
Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Remaining Redux. Black line on left drum is level 10/9/2024 (1 month ago)	Heat trace is on and warm.
	
Air stripper pressure	N2 manifold – all lines open

	
N2 manifold pressure	N2 pressure also recorded at each wellhead
	
Extraction well flow meters.	Exit sign floodlights operational

Comments	
None.	
Site Inspector(s): Isaac Moser	**Date: 11/13/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒

Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT – OM&M 025
(MRIP), Site No. 356023
Date: 12/11/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: High Falls, Town of Marbletown, NY

Contract No.

DEC Insp. – Peter Golaszewski **(EEEG)**

DEC PM – Charlie Gregory

Contractor Supt. – NA

Engineer PM – NA

Engineer Insp. – NA

Weather Conditions

General Description	Rain	AM	Rain	PM
Temperature	35	AM	40	PM
Wind	Calm	AM	calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No **X**	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA **X**
Were there any nuisance issues reported/observed on this date?	*Yes	No **X**	NA

Health & Safety Comments

Cool rainy weather. Dress appropriate for task and take breaks as needed to stay warm. Rain can make it hard for drivers to see - be aware of surroundings, wear hi-vis, use extra caution when driving.

Summary of Work Performed	**Arrived at site:**	**0900**	**Departed Site:**	**1300**

GWETS OM&M Site Visit Summary – December 11, 2024

Routine GWETS OM&M

- GWETS OM&M Inspection
- System Checklist Completed.
- GWETS performance sampling of operating wells: ERT-1, MW-5R and MW-7R. All extraction wells operational. Samples picked up on site by Alpha Analytical lab courier.
- Nitrogen Tank and System Pressure observed at acceptable pressure (observed in building and at each wellhead – values recorded in Field OM&M documentation)
- Redux Drums: Last redux drum is in service. Still a ½ drum of redux left. The site will need a shipment of Redux for the January visit.
- Water level meter on site was not functioning properly. EEEG will bring a new battery to test in the unit during the January visit, as well as bring a spare water level meter in the case the battery doesn't fix the issue.

Site Building/Site Perimeter Inspection

- Small drip observed from skylight in process room during heavy rain.
- Made sure the heat trace is on with cold nighttime temperatures.

Site Building SSDS Inspection

- Exterior - SSDS Fan Inspection and recorded vacuum readings.
- All Fans Operational and stacks in good condition
- Fan 1 Vacuum Reading (inHg): 0.31
- Fan 2 Vacuum Reading (inHg): 0.11
- Fan 3 Vacuum Reading (inHg): Error – too high for unit to read (received different unit than requested)
- Fan 4 Vacuum Reading (inHg): 0.64
- Fan 5 Vacuum Reading (inHg): 0.31
- Fan 6 Vacuum Reading (inHg): 0.50
- Fan 7 Vacuum Reading (inHg): Error – too high for unit to read (received different unit than requested)

Non-Routine GWETS OM&M

- N/A

Current Status

GWETS

- System is operating as intended. All equipment in working order.

SSDS

- All fans are running, and stacks are in good shape.
- All measurements collected, however, SSDS fans 3 and 7 had a vacuum too large to read on the manometer we received (Dwyer 477AV-00). Will make sure we get a more appropriate one next visit.

Next Step Summary**:**

- EEEG will coordinate to have more Redux delivered to the site on or before the January 2025 OMM visit.
- Sacrificial anodes will be sought out for the extraction well level sensor at MW-7R, to be replaced during a future visit (not an urgent task).

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA **X**
Were there any vehicles which were not tarped?	* Yes	No	NA **X**
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA **X**

Personnel and Equipment

Individual	Company	Trade	Total Hours on Site
Matt Liedtka	EEEG/WSP	Field Technician	3.5
Paul Garipov	EEEG/WSP	Early Career Env Engineering	3.5
Peter Golaszewski	EEEG/WSP	Consultant, Env Engineering	3.5

Equipment Description	Contractor/Vendor	Quantity	Used
Hand Tools	Field Staff		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No X**
		Yes	**No X**
		Yes	**No X**

Site Representatives

Name	Representing
Matt Leidtka	EEEG/ WSP DEC Envir Consultant
Paul Garipov	EEEG/ WSP DEC Envir Consultant
Peter Golaszewski	EEEG/ WSP DEC Envir Consultant

Project Schedule Comments

- N/A

Issues Pending

- Sacrificial anode to be installed at MW-7R (low priority).
- More redux to be ordered by the January routine visit.
- Monometer with ability to read stronger vacuum to be ordered for next visit
- New battery (9V) to be brought for water level meter

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Remaining Redux. More redux to be ordered for January OMM visit.	Heat trace is on and warm.
	
Groundwater elevation data collection (MW-15B)	GWETS monthly performance samples.

	
Skylight with small drip during heavy rain.	Bucket placed under small drip from skylight due to heavy rain.
Extraction well flow meters.	Exit sign floodlights operational

Comments	
None.	
Site Inspector(s): Peter Golaszewski	**Date: 12/11/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work. Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90-day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒

Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☒	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☒	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

APPENDIX E

OMM Checklist Field Documentation

Mohonk Road - Groundwater Remediation System Checklist

Date: 1/10/24 **Personnel Onsite Initials:** PG

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	12.6	6086871
(W7RFLO)	7.4	3953311
(W5RFLO)	9.7	41799735
Exterior of building checked and grounds maintained (weedwack, etc)		Ø / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		2
Redux remaining (in. from bottom)		10"
Nitrogen Pressure (in PSI)		600 / 644 (↑ Tank, ↑ Ato Control)

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	Water Level (Procontrol)
W5RLVL	-71.09
W7RLVL	-77.65
ER1LVL	-64.61
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	4.6
Air Stripper (AS_PRS)	17.06
Discharge Pump (DSCPRS)	24.2
Location	**Temp (Procontrol)**
Room (RM_TMP)	52.2
Air Stripper (AS_TMP)	N/A Temp sensor abandoned
Discharge Pump (H2OTMP)	50.5
Location	**pH**
Effluent (EFF_PH)	8.99
Effluent (Measured)	7.00

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes: Air Stripper temperature was not on pro control screens, Temperature sensor in process room is disconnected

Secondary tank pressure 900 off tank gauge / 1962 on pro control

Replacement tank 2300 PSI on gauge / 2320 PSI on pro control

Mohonk Road - Additional Site Checklists

SSDS System Checklist

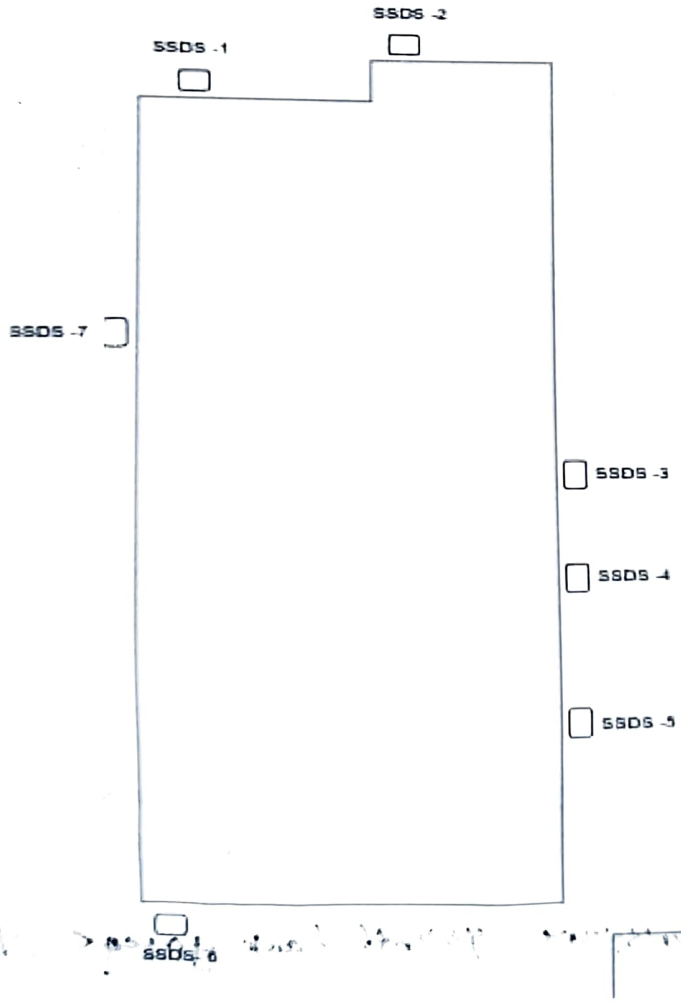
Date:

Fan	On/Off
1	N - off
2	Y on
3	Y on
4	Y on
5	Y on
6	Y on
7	N off

Fire Safety (Exit Sign) Checklist

Date:

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



GeoLogic

Location	Number of Bottles	Analysis Test
SVE-19	3 – HCL VOAs	8260 VOCs Full List
SVE-21	3 – HCL VOAs	8260 VOCs Full List
SVE-22	3 – HCL VOAs	8260 VOCs Full List

Data Logging and Well Gauging (Monthly): Completed by: _____.

- Bring materials from shop and Treatment shed:
  1. Keys for MW-12B and MW-15B
  2. Interface probe
  3. iPad and Data logger
  4. Clipboard with Data table
  5. Map of the
  6. Flagging tape if needed
- Get data and well readings for each of the 6 wells: ERT-4, MW-4, MW5B, MW-11B, MW-12B, MW-15B.
- Check labels on each well and touch up.
- Starting with the cluster on the map of MW-4, MW-5B and ERT-4 take reading of depth to water using interface probe and record on table.
- Remove desiccant tube from transducer line and connect data logger to wire and power on.
- Open Vusitu on iPad (Passcode:001978) then connect data logger.
- Once connected download all data and save file to the iPad by creating a new folder and labeling it with collection date.
- Disconnect from the app and then remove the data logger and replace the desiccant tube back on the wire.
- Repeat this process for each well.
- **Once back to the shop give iPad and data logger to NS and he will email files from the iPad to JG.**

System Sampling (Monthly):

- Bring materials from shop:
- Large Cooler with Bottles and glassware
- Ice
- Count to make sure all bottles are there.
- Using gloves sample from each of the locations starting with effluent (cleanest) to Combined influent (dirtiest).
- Do not washout Acid from bottles.
- Contact Pace/ConTest – Office 518-357-3250 if any questions or concerns on the sampling bottles.

Location	Number of Bottles	Analysis Test
7R	7	See COC
ERT-1	7	See COC
5R	7	See COC
Combined Influent	7	See COC
Effluent	7	See COC

	Temp	pH	ORP	mS/cm	NTU	DO
	10.41	6.91	166	0.515	0.3	3.04
	10.48	6.85	169	0.542	2.2	1.52
	10.48	6.90	168	0.566	0.1	4.17
	11.72	7.07	207.520	0.0		4.10
	10.98	8.10145	0.534	0.0		7.21

SVE Purge Table Well name:	**MW-19**	**MW-21**	**MW-22**
Time (minutes)	Depth to water (ft)	Depth to water (ft)	Depth to water (ft)
Initial (before purge)	~~DTB~~ ~~DTW~~ 26.42' 1045	~~DTB~~ ~~DTW~~ 39.32 1040	~~DTB~~ 33.73 0950
Depth to bottom Dry (after purge)	DTB 57.71 1045 DTW 56.26	DTB 55.91 1020 DTW 54.70	DTB 55.51 1005 DTW 53.94
30mins	56.25 1115	54.50 1050	52.99 1035
1 hour	56.14 1145	54.15 1120	51.86 1105
1.5 hours	56.00 1215	53.82 1150	49.68 1135
2 hours	55.80 1250	53.55 1220	49.60 1205
2.5 hours	55.57 1315	53.18 1255	48.38 1235
3 hours	55.51 1345	52.87 1320	47.23 1305
3.5 hours	55.36 1415	52.54 1350	46.08 1335
4 hours	55.19 1445	52.26 1420	44.89 1405
Volume Purged using 5-gallon buckets	19.0	10.25	13.5

Water Quality parameter Readings

MW-19 → 11.25°C, 6.71pH, 25 ORP, 0.944 mS/cm, 2.8 NTU, 3.86 mg/L DO

MW-21 → 12.06°C, 6.72pH, 177 ORP, 0.890 mS/cm, 18.2 NTU, 8.54 mg/L

MW-22 → 11.34°C, 6.76pH, 181 ORP, 1.07 mS/cm, 17.9 NTU, 7.94 mg/L DO

Data Logger Collection

Location	Measured DTW BTOC
ERT-4	25.74'
MW-4	2.98'
MW-5B	25.08'
MW-11B	33.55'
MW-12B	8.69'
MW-15B	— Access Flooded

Mohonk Road - Groundwater Remediation System Checklist

Date: 2/6/2024 **Personnel Onsite Initials:**

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	12.7	6578760
(W7RFLO)	6.6	4210869
(W5RFLO)	9.9	5179344
Exterior of building checked and grounds maintained (weedwack, etc)		Y / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		1
Redux remaining (in. from bottom)		29.5
Nitrogen Pressure (in PSI)		2114 / 2100 @ Tank ↑ control board

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	*Water Level (Procontrol)*
W5RLVL	68.53
W7RLVL	72.84
ER1LVL	61.49
Location/ Input name	***Pressure (Procontrol)***
Transfer Pump (PREBAG)	4.7
Air Stripper (AS_PRS)	17.31
Discharge Pump (DSCPRS)	24.6
Location	***Temp (Procontrol)***
Room (RM_TMP)	48.1
Air Stripper (AS_TMP)	—
Discharge Pump (H2OTMP)	50.7
Location	***pH***
Effluent (EFF_PH)	9.10
Effluent (Measured)	(PL) 8.2

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

Mohonk Road - Additional Site Checklists

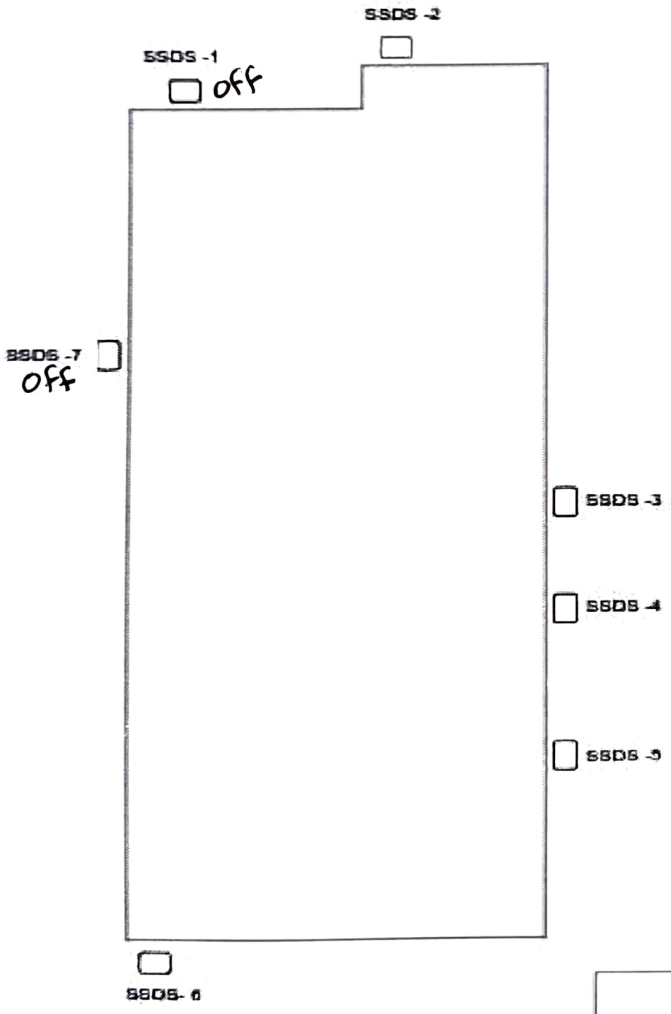
Date: SSDS System Checklist 2/6/24

Fan	On/Off
1	off
2	on
3	on
4	on
5	on
6	on
7	off

Date: Fire Safety (Exit Sign) Checklist

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y

Treatment Plant



Notes/Vacuum in Hg

SSDS-1 - 0

SSDS-2 - -1.2

SSDS-3 - -11.5

SSDS-4 - -7.7

SSDS-5 - -5.3

SSDS-6 - -6.4

SSDS-7 - 0

GeoLogic

MACTEC

2/6/2024

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent 1400	9.09	8.20	145	0.561	1.4	16.44
MW-7R 1415	9.59	7.34	172	0.532	0.0	6.58
ERT-1 1430	10.40	7.11	190	0.549	0.0	4.50
MW-5R 1445	9.58	7.13	183	0.572	0.0	9.60
Combined Influent 1505	9.98	7.10	211	0.573	0.0	5.40

SVE Purge Table						
Date: 2/6/24	Data Collected By: BC			Purge Start @ ~~11~~ 1138		
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)	1043	45.58	1045	44.82	1044	32.17
Depth to Bottom (Dry)	1115	57.16	1150	55.43	1135	55.13
30 min	1145	56.05	1220	54.86	1205	53.86
1 hour	1215	55.91	1250	54.79	1235	53.76
1.5 hour	1245	55.81	1320	54.75	1305	52.57
2 hours	1315	55.68	1350	54.70	1335	51.85
2.5 hours	1345	55.61	1420	54.65	1405	51.17
3 hours	1415	55.35	1450	54.61	1435	50.52
3.5 hours	1445	55.21	1520	54.56	1505	49.81
4 hours	1515	55.09	1550	54.53	1535	49.06
Volume purged	≈17 gal		~~11~~ ≈7 gal		11 ≈12 gal	
Samples Collected:	3 VOCs @ 1055		3 VOCs @ ~~1110~~ 1140		3 VOCs @ 1120	

Start purge @ 1052 LSLE-19 1111

Purge Start @ 1117

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	9.59	6.73	59	1.08	9.8	7.39
MW-21	11.90	7.29	176	.901	10.6	15.78
MW-22	11.77	7.11	187	1.20	30.7	8.73

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4 26.69	~~26~~.69	1310	0.5 PID
MW-4	3.98	1300	0.1 PID
MW-5B	25.62	1320	0.0 PID
MW-11B	31.78	1430	0.0 PID
MW-12B	8.79	14.20	0.0 PID
MW-15B	11.10	1405	0.0 PID

Tailgate Safety Meeting Form

Check One:

☐ Initial Kickoff Safety Meeting ☑ Regular/Daily Tailgate Safety Meeting ☐ Unscheduled Tailgate Safety Meeting

Date: 2/6/2024 Site: Mohawk Rd Industrial Plant

Site Manager: I. Moser (Print) Site Health and Safety Officer: I. Moser (Print)

Order of Business

Topics Discussed (Check all that apply)

- ☑ Scope of Work
- ☑ Site History/Site Layout
- ☑ Personnel Responsibilities
- ☑ Training Requirements
- ☑ Hazard Analysis of Work Tasks (chemical, physical, biological and energy health hazard effects)
- ☑ Applicable SOPs (e.g., Hearing Conservation Program, Safe Driving, etc.)
- ☑ Safe Work Practices
- ☑ Engineering Controls
- ☑ Chemical Hazards and Controls
- ☐ Signs and symptoms of over exposure to site chemicals
- ☐ Medical Surveillance Requirements
- ☐ Action Levels
- ☐ Monitoring Instruments and Personal Monitoring
- ☐ Perimeter Monitoring, Type and Frequency
- ☑ PPE Required/PPE Used
- ☑ Define PPE Levels, Donning, Doffing Procedures
- ☑ Decontamination Procedures for Personnel and Equipment
- ☑ Physical Hazards and Controls (e.g., overhead utility lines)
- ☑ Anticipated Weather (snow, high winds, rain)
- ☑ Temperature Extremes (heat or cold stress symptoms and controls)
- ☑ Biological Hazards and Controls (e.g., poison ivy, spiders)
- ☑ Site Control (visitor access, buddy system, work zones, security, communications)
- ☑ Sanitation and Illumination
- ☑ Logs, Reports, Recordkeeping
- ☑ Incident Reporting Procedures
- ☑ Near Misses/Hazard ID including worker suggestions to correct and work practices to avoid similar occurrences
- ☑ General Emergency Procedures (e.g., locations of air horns and what 1 or 2 blasts indicate)
- ☑ General Emergency Response Procedures (e.g., earthquake response, typhoon response, etc.)
- ☑ Medical Emergency Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☑ Route to Hospital and Medical Care Provider Visit Guidelines
- ☐ Site/Regional Emergency Response Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☐ Hazardous Materials Spill Procedures

PPE required for the tasks to be conducted: Level D

Required Permits: N/A

Site Access or other issues: N/A

Safety Suggestions by Site Workers: New First aid in Central location

HEART Observation Reporting

Tailgate Safety Meeting Form

Action Taken on Previous Suggestions: New first aid in Stripper room

Injuries/Incidents/Personnel Changes since last meeting: N/A

Observations of unsafe work practices/conditions that have developed since previous meeting: N/A

Location of (or changes in the locations of) evacuation routes/safe refuge areas: Parking Lot

Additional Comments:

Attendee signatures below indicate acknowledgment of the information and willingness to abide by the procedures discussed during this safety meeting

Name (Print)	Company	Signature
Isaac Moser	WSP	
Peter Golaszewski	WSP	
Mark Felong	WSP	
Ryan Ongley	WSP	

Meeting Conducted by: Isaac Moser (Print) Title: Assoc. Consultant

Signature: (Print) Time: 1000

Mohonk Road - Groundwater Remediation System Checklist

Date: 3/21/24 **Personnel Onsite Initials:** IM/RO/MF

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	0.0	
(W7RFLO)	13.15	
(W5RFLO)	0.0	
Exterior of building checked and grounds maintained (weedwack, etc)		(Y)/N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y/(N)
Redux drum changed		Y/(N)
How many Redux drums remaining		1 Drum left
Redux remaining (in. from bottom)		1 Drum left
Nitrogen Pressure (in PSI)	2500 psi tank	PRO CONTROL 2543

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

(Doubled w/other wells off)

Input Name	Water Level (Procontrol)
W5RLVL	-51,65
W7RLVL	-66,11
ER1LVL	-42,86
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	~~1.0~~ 36
Air Stripper (AS_PRS)	0,49
Discharge Pump (DSCPRS)	0.2
Location	**Temp (Procontrol)**
Room (RM_TMP)	51,8
Air Stripper (AS_TMP)	N/A
Discharge Pump (H2OTMP)	51,3
Location	**pH**
Effluent (EFF_PH)	9,42
Effluent (Measured)	7.25

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

	DTW	Time
ERT-4	26.85	1140
MW-4	4.50	1135
MW-5B	25.78	1155
MW-11B	22.11	1220
MW-12B	7.22	1230
MW-15B	9.95	1240

* GET Rid of 5 Empty Drums

Mohonk Road - Additional Site Checklists

SSDS System Checklist

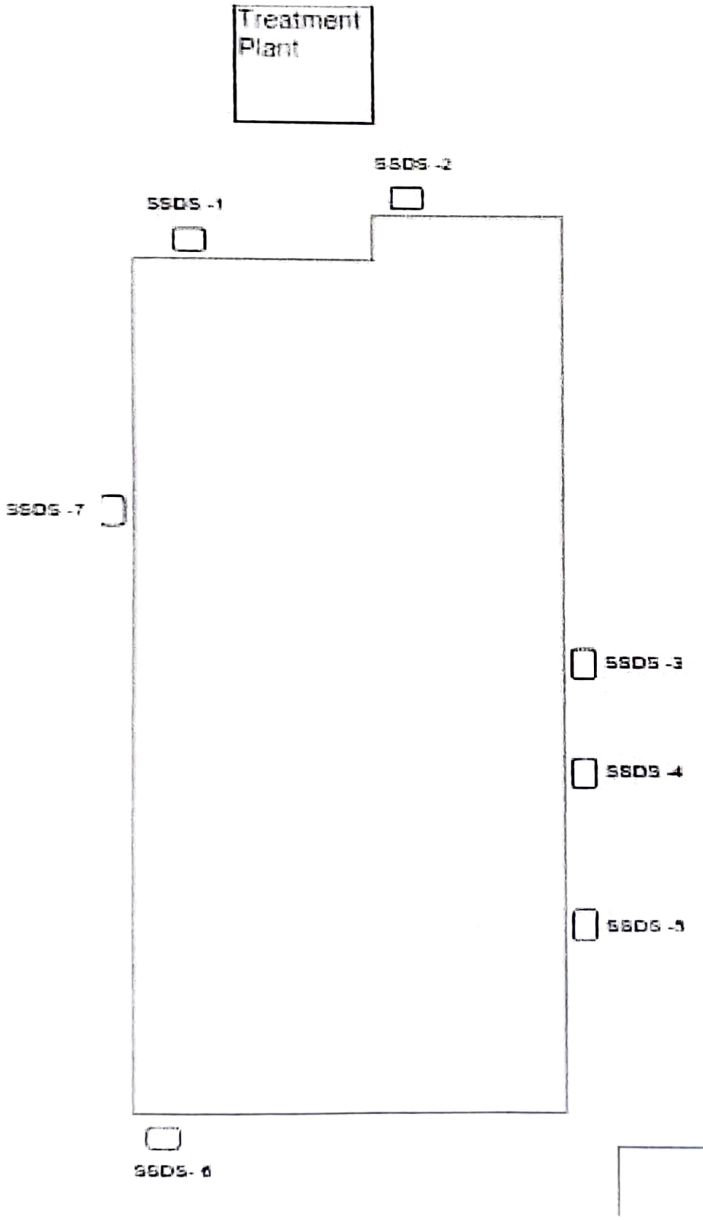
Date: 3/21/24

Fan	On/Off
1	OFF
2	ON
3	ON
4	ON
5	ON
6	ON
7	OFF

Fire Safety (Exit Sign) Checklist

Date: 3/21/24

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



Notes/Vacuum

SSDS-1 - OFF

SSDS-2 - -.099

SSDS-3 - -.787

SSDS-4 - -.573

SSDS-5 - -.359

SSDS-6 - -.454

SSDS-7 - OFF

GeoLogic

MACTEC

3/21/2024

MACTEC	**Site Name:** NYSDEC – Mohonk Road Industrial Plant Project: 7772210116.03.01	
Address:	186 Mohonk Road High Falls NY 12440	Door Code: 2-4-6-8
Site Owner/Contact:	NYSDEC – Charles Gregory 518-402-9813	
Task Requested	Monthly O&M / Sampling 2024 Quarterly SVE Well Sampling 2024	
Task To Be Completed By:	1 Foreman and 3 Tech – One 8 hr day. OT must be pre-approved	

HAS Overview:

1. Review site specific health and safety sheet. Identify all typical and new potential hazards. Sign into site using sign in sheet in treatment room.
2. Conduct tailgate safety meeting. Make sure all contractors and sub-contractors onsite sign the daily health and safety form. This includes all over site personnel (i.e. DEC, Engineering Firms, Etc...) **Return to PM, signed.**
3. Wear all necessary PPE when performing tasks onsite. This shall include but not be limited to: gloves, eye protection, hearing protection, and fall protection when working at elevations great than 6'.
4. **Bring a first aid kit.** Take precautions to avoid poison ivy and ticks at this site, as they are prevalent in the area.

SVE Well Purge (Monthly): Completed by: _____.

- Bring all need materials from treatment shed to SVE wells MW-19, MW-21, and MW-22:
    1. 3 dedicated whale pumps hanging in treatment room.
    2. 1 55-gallon drum
    3. 2 5-gallon buckets
    4. 3 marine batteries or 50ft lead cord for use of truck battery.
    5. Clipboard with Purge table
- Gauge each well using interface probe before beginning purge.
- Begin purging each well into a 5-gallon bucket record each full bucket then dump into 55-gallon drum until well is dry.
- Check to see if this event is for quarterly SVE sampling if yes, follow instructions below for sampling.
- Once well is dry record Depth to water using interface probe at 0 minutes, then every 30 minutes for 4 hours on the table provided for each individual well.
- Return the tabled data to Isaac Moser by end of day.

SVE Well Sampling and YSI readings (Quarterly): Completed by: _____.

- Materials needed from shop:
    1. Small cooler with Glassware
    2. Horiba (calibrated)
    3. Ice
- Check to make sure Horiba has been calibrated.
- During purge of each SVE well pump well until dry, then using water pumped into the final 5 gallon bucket collect Horiba reading and samples (see sample list below and COC). (Make sure there is enough water.)
- Then record amount of water in the last bucket for final volume pumped before dumping into drum.
- Repeat for each well.
- Send samples to Alpha Analytical. Lab Address: 8 Walkup Drive, Westborough, MA 01581

Location	Number of Bottles	Analysis Test
SVE-19	3 – HCL VOAs	8260 VOCs Full List
SVE-21	3 – HCL VOAs	8260 VOCs Full List
SVE-22	3 – HCL VOAs	8260 VOCs Full List

Data Logging and Well Gauging (Monthly): Completed by: _____.

- Bring materials from shop and Treatment shed:
  1. Keys for MW-12B and MW-15B
  2. Interface probe
  3. Data logger
  4. Clipboard with Data table
  5. Site Maps
  6. Flagging tape if needed
- Get data and physical water levels for each of the 6 wells: ERT-4, MW-4, MW5B, MW-11B, MW-12B, MW-15B.
- Check labels on each well and touch up.
- Starting with the cluster on the map of MW-4, MW-5B and ERT-4 take reading of depth to water using interface probe and record on table.
- Remove desiccant tube from transducer line and connect data logger to wire and power on.
- Open Vusitu on cell phone/device then connect data logger.
- Once connected download all data and save file by creating a new folder and labeling it with collection date.
- Disconnect from the app and then remove the data logger and replace the desiccant tube back on the wire.
- Repeat this process for each well.
- Once back to the shop email files to IM.

System Sampling (Monthly):

- Bring materials:
- Large Cooler with Bottles and glassware
- Ice
- Count to make sure all bottles are there.
- Using gloves sample from each of the locations starting with effluent (cleanest) to Combined influent (dirtiest).
- Do not washout Acid from bottles.

Contact Alpha Office 508-898-9220 if any questions or concerns on the sampling bottles.

Alpah PM is Nathalie Lewis.

Location	Number of Bottles	Analysis Test	
7R	7	See COC	ℓ
ERT-1	7	See COC	NS
5R	7	See COC	NS
Combined Influent	7	See COC	NS
Effluent	7	See COC	ℓ

System Check: (Bi-Weekly)

- Review site specific health and safety sheet. Identify all typical and new potential hazards. Sign into site using COVID-19 tracking sheet onsite. **Please return any full sign in sheets and start a new one to leave onsite.**
- Shovel if needed.
- Check all system conditions and provide notes recorded on system check sheet.
- Take all system readings and readings from the ProControl and record on the system check sheet including nitrogen pressure.
- Shut down system via ProControl and breaker.
- Drain influent lines into a bucket via the sample ports. Treat water through system. Close influent valves on both sides of the flow meter and disconnect flow meters using the true-union connection. Run a long brush through the flow meter from both ends to remove any possible scaling as needed.
- Reconnect union fittings and open valves all the way.
- Restart system.
- Set wells to setpoints listed on the system check sheet.
- Sweep/vacuum all floors and surfaces that need it. Wipe down surfaces, especially those with rodent droppings. Clean up plant. Remove ALL food waste/trash from treatment building!
- Check Effluent pH with strips onsite and record on the field log. Check with calibrated Horiba when possible.
- Walk the perimeter of the building that shares a parking lot with the plant and check the SSDS Fans. Fill out the SSDS Checklist on the back of the system log. Note any existing/potential issues.
- Test light on exit signs and mark on system check sheet. Check fire extinguishers.
- Check to make sure system is running before leaving and shut off all lights and lock door.

Tools / Equipment Required:

- Toolbox (to include at least: screwdrivers, pliers, hacksaw, hammer, flashlight, adjustable wrench, pipe wrenches, battery power tools etc.)
- Appropriate health and safety gear and H&S sheet/COVID-19 H&S log – return signed copy to
- System O&M Checklist
- Gloves (if needed leave a box onsite)
- VuSitu Data logger and data collection device.
- Interface probe
- Horiba (quarterly)
- Snow Shovel (if necessary)
- **Sample bottleware**

Requestor:	Please return notes to Isaac Moser

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	10.15	8.58	188	0.517	1.2	8.97
MW-7R	9.91	7.42	210	0.542	46.0	5.79
ERT-1	Not Running					
MW-5R	Not Running					
Combined Influent	Not Taken only			7R Running		

SVE Purge Table						
Date:	Data Collected By:	End Purge		End Purge		End Purge
Well ID:	MW-19 1050		MW-21 1010		MW-22 1030	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)	1015	25.30	09:55	41.92	1005	30.99
Depth to Bottom (Dry)	1020	57.11	1041.92	55.42	1010	55.31
30 min	1120	56.12	1040	55.07	1100	55.22
1 hour	1156	56.02	1110	54.95	1130	53.53
1.5 hour	1220	56.00	1140	54.88	1200	53.24
2 hours	1256	55.93	1210	54.80	1230	52.72
2.5 hours	1320	55.79	1240	54.71	1300	52.31
3 hours	1350	55.67	1310	54.64	1330	51.85
3.5 hours	1426	55.54	1340	54.56	1400	51.38
4 hours	1450	55.49	1410	54.49	1430	50.92
Volume purged	15.5gal		8gal		16.5gal	
Samples Collected:	NS		NS		NS	

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	11.05	7.49	103	.917	85.3	5.05
MW-21	8.48	6.67	141	.860	142	7.6
MW-22	9.62	7.19	125	1.14	115	11.31

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	26.85	1140	
MW-4	4.50	1135	
MW-5B	25.78	1155	
MW-11B	22.11	1220	
MW-12B	7.22	1230	
MW-15B	9.95	1240	collected data back to December

DTW 0.1 ft		Gallons	
55.10	MW-21	1+3	8 GAL
55.30	MW-22	111+1	16 GAL
57.06	MW-19	111+.5	15.5 GAL

Tailgate Safety Meeting Form

Check One:

☐ Initial Kickoff Safety Meeting ☐ Regular/Daily Tailgate Safety Meeting ☐ Unscheduled Tailgate Safety Meeting

Date: 3/21/2024 Site: Mohonk Rd Industrial plant

Site Manager: I. Moser (Print) Site Health and Safety Officer: I. Moser (Print)

Order of Business

Topics Discussed (Check all that apply)

- ☑ Scope of Work
- ☑ Site History/Site Layout
- ☑ Personnel Responsibilities
- ☑ Training Requirements
- ☑ Hazard Analysis of Work Tasks (chemical, physical, biological and energy health hazard effects)
- ☑ Applicable SOPs (e.g., Hearing Conservation Program, Safe Driving, etc.)
- ☑ Safe Work Practices
- ☑ Engineering Controls
- ☑ Chemical Hazards and Controls
- ☑ Signs and symptoms of over exposure to site chemicals
- ☑ Medical Surveillance Requirements
- ☑ Action Levels
- ☑ Monitoring Instruments and Personal Monitoring
- ☑ Perimeter Monitoring, Type and Frequency
- ☑ PPE Required/PPE Used
- ☑ Define PPE Levels, Donning, Doffing Procedures
- ☑ Decontamination Procedures for Personnel and Equipment
- ☑ Physical Hazards and Controls (e.g., overhead utility lines)
- ☑ Anticipated Weather (snow, high winds, rain)
- ☑ Temperature Extremes (heat or cold stress symptoms and controls)
- ☑ Biological Hazards and Controls (e.g., poison ivy, spiders)
- ☑ Site Control (visitor access, buddy system, work zones, security, communications)
- ☑ Sanitation and Illumination
- ☑ Logs, Reports, Recordkeeping
- ☑ Incident Reporting Procedures
- ☑ Near Misses/Hazard ID including worker suggestions to correct and work practices to avoid similar occurrences
- ☑ General Emergency Procedures (e.g., locations of air horns and what 1 or 2 blasts indicate)
- ☑ General Emergency Response Procedures (e.g., earthquake response, typhoon response, etc.)
- ☑ Medical Emergency Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☑ Route to Hospital and Medical Care Provider Visit Guidelines
- ☑ Site/Regional Emergency Response Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☑ Hazardous Materials Spill Procedures

PPE required for the tasks to be conducted: Level D

Required Permits: N/A

Site Access or other issues: N/A

Safety Suggestions by Site Workers: Cold stress

HEART Observation Reporting

Tailgate Safety Meeting Form

Action Taken on Previous Suggestions: Warm [illegible]

Injuries/Incidents/Personnel Changes since last meeting: N/A

Observations of unsafe work practices/conditions that have developed since previous meeting: N/A

Location of (or changes in the locations of) evacuation routes/safe refuge areas: GWETS parking

Additional Comments:

Attendee signatures below indicate acknowledgment of the information and willingness to abide by the procedures discussed during this safety meeting

Name (Print)	Company	Signature
Isaac Moser	WSP	
~~[illegible]~~	WSP	
[illegible]	WSP	
[illegible]	WSP	

Meeting Conducted by: Isaac Moser (Print) Title: Assoc. Consultant

Signature: (Print) Time: 0900 w/RO @ 1000

Mohonk Road - Groundwater Remediation System Checklist

Date: 4/10/24 Personnel Onsite Initials:

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	0	6783008
(W7RFLO)	13.6	5232784
(W5RFLO)	0	5232278
Exterior of building checked and grounds maintained (weedwack, etc)		Y / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		0
Redux remaining (in. from bottom)		16.45
Nitrogen Pressure (in PSI)		2614

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	Water Level (Procontrol)
W5RLVL	-43.96
W7RLVL	-59.15
ER1LVL	-35.5
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	3.5
Air Stripper (AS_PRS)	0.37
Discharge Pump (DSCPRS)	0.1
Location	**Temp (Procontrol)**
Room (RM_TMP)	60.8
Air Stripper (AS_TMP)	—
Discharge Pump (H2OTMP)	51.6
Location	**pH**
Effluent (EFF_PH)	8.25 ← measured after attempting to calibrate the pH sensor previously 9.57
Effluent (Measured)	8.10

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

Mohonk Road - Additional Site Checklists

SSDS System Checklist

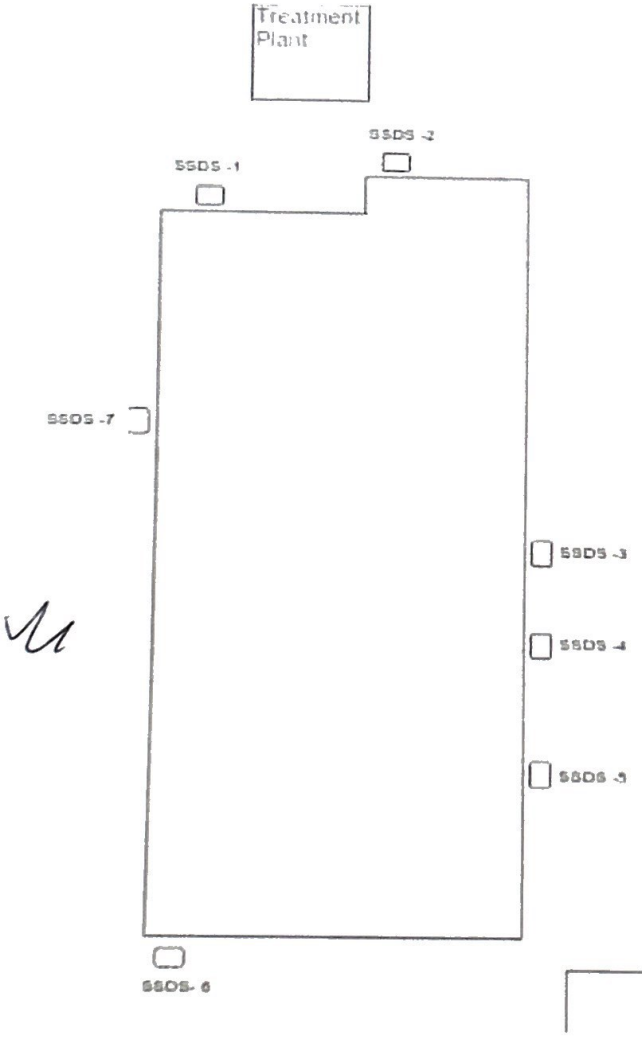
Date: _____

Fan	On/Off
1	Off
2	ON
3	ON
4	ON
5	ON
6	ON
7	Off

Fire Safety (Exit Sign) Checklist

Date: _____

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



Notes/Vacuum

SSDS-1 - 0.0 in wa

SSDS-2 - -1.4

SSDS-3 - -11.4

SSDS-4 - -3.1

SSDS-5 - -4.9

SSDS-6 - -6.5

SSDS-7 - 0

GeoLogic

MACTEC

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	10.13	8.10	-54	.956	0.0	5.56
MW-7R	10.77	7.38	-18	.950	0.0	1.94
ERT-1						
MW-5R						
Combined Influent						

SVE Purge Table						
Date:	Data Collected By:					
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)						
Depth to Bottom (Dry)						
30 min						
1 hour						
1.5 hour						
2 hours						
2.5 hours						
3 hours						
3.5 hours						
4 hours						
Volume purged						
Samples Collected:						

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19						
MW-21						
MW-22						

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4			
MW-4			
MW-5B			
MW-11B			
MW-12B			
MW-15B			

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent						
MW-7R						
ERT-1						
MW-5R						
Combined Influent						

SVE Purge Table						
Date:	Data Collected By:					
Well ID:	MW-19 57.30		MW-21 55.30		MW-22 55.90	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)	1015	24.57	1025	25.61	1120	25.48
~~57.30~~ Depth to Bottom (Dry)	1100	55.89	1135	54.53	1155	54.49
30 min	1130	54.69	1205	52.85	1225	53.90
1 hour	1200	53.49	1235	51.16	1255	53.34
1.5 hour	1230	52.50	1305	49.73	1325	52.99
2 hours	1300	51.69	1335	48.15	1355	52.50
2.5 hours	1330	50.86	1405	46.61	1425	52.06
3 hours	1400	50.05	1435	45.05	1455	51.61
3.5 hours	1430	49.28	1505	43.51	1525	51.20
4 hours	1500	48.41	1535	42.01	1555	50.79
Volume purged	24 GAL		20 GAL		4 GAL	
Samples Collected:	NA		NA		NA	

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	11.03	8.95	30	1.01	1.1	3.95
MW-21	10.10	7.01	213	.980	8.1	0
MW-22	10.98	7.72	208	0.940	31.6	0

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4			
MW-4			
MW-5B			
MW-11B			
MW-12B			
MW-15B			

Gallons

MW-19 ||||+4

MW-21 ||||

MW-22 ||+4

Date: 4/3/2024

Straight Bill of Lading

B/L NO. 28665

SHIPPER (ORIGIN)

Shipper No. 00Redux
Trailer No.
Seal No.

Name: Redux Technology
Address: A Division of Azure Water Services, LLC
280 Callegari Drive
West Haven, CT 06516

CONSIGNEE (DESTINATION)

Name: WSP
Address: Attn: Mark Selong
186 Mohonk Road
High Falls, NY 12440

P.O. NO. R105521US001

THIRD PARTY FREIGHT CHARGES BILL TO

Name:
Address:

SPECIAL INSTRUCTIONS: ☐ Master Bill of Lading

ShipTo Contact: Mark Selong 609-619-2777
LIFTGATE NEEDED
Deliver on Thursday 4/11/24 and pick-up four empties

Handling Units	HU Type	HM	Description of Articles, Special Marks and Exceptions	NMFC	Class	Weight Subj to Correction	Rate	Charge
3	Drum		Redux-390-475# Water Treatment Compound		60	1600 lbs		
			LIFTGATE					
			Delivery on Thursday 4/11/24					
			One Pallet					
3			**Total for All Pages (Weight in lbs)**			1600 lbs		0.00

Hazardous Material Emergency Contact:
Chemtrec
1-800-424-9300

Freight Terms:
☑ Prepaid (PPA)
☐ Collect
☐ Third Party

C.O.D. Amount
☐ Prepaid
☐ Collect
☐ Customer Check Acceptable

DECLARED VALUE. Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows:
The agreed or declared value of the property is specifically stated by the shipper to be not
exceeding _____ per _____

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ Shipper Signature

NOTE Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. - 14706(c)(1)(A) and (B).

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request. The property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown above, which said carrier agrees to carry to destination, if on its route, or otherwise deliver to another carrier on the route to destination. Every service to be performed hereunder shall be subject to all bill of lading terms and conditions in the governing classification on the date of the shipment. Shipper hereby certifies that he is hereby familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER COMPANY NAME	CARRIER	Trailer Loaded	Freight Counted
Redux Technology	Redux Technology	☐ By Shipper ☐ By Driver	☐ By Shipper ☐ By Driver / pallets said to contain ☐ By Driver/Pieces
SHIPPER SIGNATURE/ DATE	DRIVER		

ADI SmartBOL Classic v12.3.1

4-11-24

Tailgate Safety Meeting Form

Check One:

☐ Initial Kickoff Safety Meeting ☐ Regular/Daily Tailgate Safety Meeting ☐ Unscheduled Tailgate Safety Meeting

Date: 4/10/24 Site: Mohonk

Site Manager: ~~M or~~ N. Bonsteel (Print) Site Health and Safety Officer: M. Fecono (Print)

Order of Business

Topics Discussed (Check all that apply)

- ☑ Scope of Work
- ☑ Site History/Site Layout
- ☑ Personnel Responsibilities
- ☑ Training Requirements
- ☑ Hazard Analysis of Work Tasks (chemical, physical, biological and energy health hazard effects)
- ☑ Applicable SOPs (e.g., Hearing Conservation Program, Safe Driving, etc.)
- ☑ Safe Work Practices
- ☑ Engineering Controls
- ☑ Chemical Hazards and Controls
- ☑ Signs and symptoms of over exposure to site chemicals
- ☑ Medical Surveillance Requirements
- ☑ Action Levels
- ☐ Monitoring Instruments and Personal Monitoring
- ☑ Perimeter Monitoring, Type and Frequency
- ☑ PPE Required/PPE Used
- ☐ Define PPE Levels, Donning, Doffing Procedures
- ☑ Decontamination Procedures for Personnel and Equipment
- ☑ Physical Hazards and Controls (e.g., overhead utility lines)
- ☑ Anticipated Weather (snow, high winds, rain)
- ☑ Temperature Extremes (heat or cold stress symptoms and controls)
- ☑ Biological Hazards and Controls (e.g., poison ivy, spiders)
- ☑ Site Control (visitor access, buddy system, work zones, security, communications)
- ☑ Sanitation and Illumination
- ☑ Logs, Reports, Recordkeeping
- ☑ Incident Reporting Procedures
- ☑ Near Misses/Hazard ID including worker suggestions to correct and work practices to avoid similar occurrences
- ☑ General Emergency Procedures (e.g., locations of air horns and what 1 or 2 blasts indicate)
- ☑ General Emergency Response Procedures (e.g., earthquake response, typhoon response, etc.)
- ☑ Medical Emergency Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☑ Route to Hospital and Medical Care Provider Visit Guidelines
- ☑ Site/Regional Emergency Response Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☑ Hazardous Materials Spill Procedures

PPE required for the tasks to be conducted: Level D

Required Permits: —

Site Access or other issues: —

Safety Suggestions by Site Workers: —

HEART Observation Reporting

Tailgate Safety Meeting Form

Action Taken on Previous Suggestions:

Injuries/Incidents/Personnel Changes since last meeting:

Observations of unsafe work practices/conditions that have developed since previous meeting:

Location of (or changes in the locations of) evacuation routes/safe refuge areas:

Additional Comments:

Attendee signatures below indicate acknowledgment of the information and willingness to abide by the procedures discussed during this safety meeting

Name (Print)	Company	Signature
Mark Fleming	WSP	
Matthew Liedtka	WSP	
Peter Golaszewski	WSP	

Meeting Conducted by: Mark Fleming (Print) Title: Field Tech

Signature: (Print) Time: 0930

Mohonk Road - Groundwater Remediation System Checklist

Date: 5/9/24 Personnel Onsite Initials:

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	0.0	6783012
(W7RFLO)	12.0	5676159
(W5RFLO)	0.0	5822757
Exterior of building checked and grounds maintained (weedwack, etc)		Y / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		3.5
Redux remaining (in. from bottom)		½ Drum
Nitrogen Pressure (in PSI)		2626 / 60 Tanks / Manifold

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	Water Level (Procontrol)
W5RLVL	-43.41
W7RLVL	-56.22
ER1LVL	-34.56
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	4.5
Air Stripper (AS_PRS)	17.00
Discharge Pump (DSCPRS)	24.5
Location	**Temp (Procontrol)**
Room (RM_TMP)	64.7
Air Stripper (AS_TMP)	—
Discharge Pump (H2OTMP)	52.2
Location	**pH**
Effluent (EFF_PH)	5.38
Effluent (Measured)	6.5

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

Mohonk Road - Additional Site Checklists

SSDS System Checklist

Date: 5/9/24

Fan	On/Off
1	OFF
2	ON
3	ON
4	ON
5	ON
6	ON
7	OFF

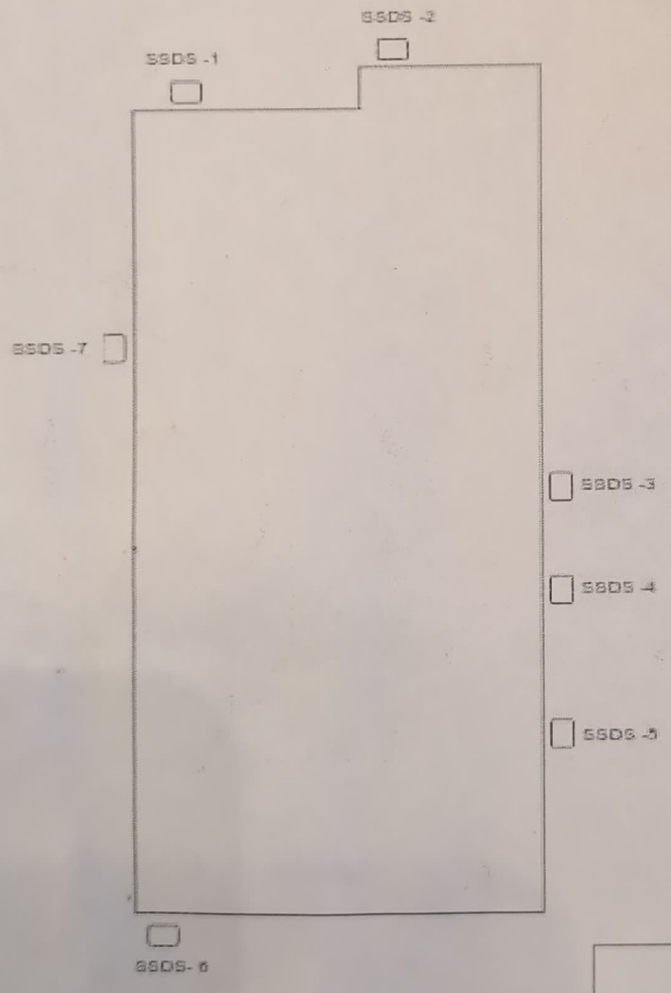
Fire Safety (Exit Sign) Checklist

Date: 5/9/24

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y

Unit
INHG

Treatment Plant



Notes/Vacuum

SSDS-1 - NA
SSDS-2 - 0.10
SSDS-3 - 0.83
SSDS-4 - 6.62
SSDS-5 - 0.37
SSDS-6 - 0.48
SSDS-7 - NA

GeoLogic

MACTEC

5/9/24

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	14.40	7.09	228	0.676	6.1	8.47
MW-7R	13.72	6.96	214	0.704	0.0	3.55
ERT-4 ~~ERT-5~~	13.77	6.75	233	0.688	0.0	2.91
~~MW-5R~~						
~~Combined Influent~~						

- Turned on Briefly ~ 40 gals

SVE Purge Table						
Date:	Data Collected By:					
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time ~~0955~~	DTW	Time	DTW
Initial (Before Purge)	0930	30.80	~~11:05~~	41.03	1010	35.33
Depth to Bottom (Dry)	0950	57.05	1005	55.85	1030	53.49
30 min	1020	56.26	1035	54.60	1100	54.13
1 hour	1050	56.18	1105	54.43	1130	53.76
1.5 hour	1120	56.09	1135	54.24	1200	53.40
2 hours	1130	56.00	1205	54.07	1230	53.03
2.5 hours	1220	55.91	1235	53.90	1300	52.66
3 hours	1250	55.82	1305	53.73	1330	52.32
3.5 hours	1320	55.74	1335	53.55	1400	51.96
4 hours	1350	55.65	1405	53.39	1430	51.60
Volume purged	11+4= 14 GAL		1+3 = 8 GAL		11+1 = 11 GAL	
Samples Collected:						

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	13.90	6.18	254	1.17	0.0	3.61
MW-21	14.41	6.57	239	0.996	3.0	3.57
MW-22	~~14.44~~ 13.16	~~6.38~~	218	1.38	5.2	1.58

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	27.85	1120	
MW-4	4.34	1115	
MW-5B	26.87	1125	
MW-11B	15.47	1240	
MW-12B	5.49	1137	
MW-15B	9.05	1150	

5/9/24

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	1440	7.09	228	0.676	6.1	8.47
MW-7R	13.72	6.96	214	0.704	0.0	3.55
ERT-4 ~~ERT-5~~	13.77	6.75	233	0.688	0.0	2.91
~~MW-5R~~						
~~Combined Influent~~						

- Turned on Briefly ~ 40 gals

SVE Purge Table						
Date:	Data Collected By:					
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time 0955	DTW	Time	DTW
Initial (Before Purge)	0930	30.80	~~11.09~~	41.03	1090	35.33
Depth to Bottom (Dry)	0950	57.05	1005	55.85	1030	53.49
30 min	1020	56.26	1035	54.60	1100	54.13
1 hour	1050	56.18	1105	54.43	1130	53.76
1.5 hour	1120	56.09	1135	54.24	1200	53.40
2 hours	1150	56.00	1205	54.07	1230	53.03
2.5 hours	1220	55.91	1235	53.90	1300	52.66
3 hours	1250	55.82	1305	53.73	1330	52.32
3.5 hours	1320	55.74	1335	53.55	1400	51.96
4 hours	1350	55.65	1405	53.39	1430	51.60
Volume purged	11+4= 14 GAL		1+3 = 8 GAL		11+1 = 11 GAL	
Samples Collected:						

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	13.90	6.18	254	1.17	0.0	3.61
MW-21	14.41	6.57	239	0.996	3.0	3.57
MW-22	~~14.44~~ 13.16	6.38	218	1.38	3.2	1.58

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	27.85	1120	
MW-4	4.34	1115	
MW-5B	26.47	1125	
MW-11B	15.47	1240	
MW-12B	5.49	1137	
MW-15B	9.05	1150	

MACTEC	Site Name: NYSDEC – Mohonk Road Industrial Plant Project: 7772210116.03.01	
Address:	186 Mohonk Road High Falls NY 12440	Door Code: 2-4-6-8
Site Owner/Contact:	NYSDEC – Charles Gregory 518-402-9813	
Task Requested	Monthly O&M / Sampling 2024 Quarterly SVE Well Sampling 2024	
Task To Be Completed By:	1 Foreman and 3 Tech – One 8 hr day. OT must be pre-approved	

HAS Overview:

1. Review site specific health and safety sheet. Identify all typical and new potential hazards. Sign into site using sign in sheet in treatment room.
2. Conduct tailgate safety meeting. Make sure all contractors and sub-contractors onsite sign the daily health and safety form. This includes all over site personnel (i.e. DEC, Engineering Firms, Etc...) **Return to PM, signed.**
3. Wear all necessary PPE when performing tasks onsite. This shall include but not be limited to: gloves, eye protection, hearing protection, and fall protection when working at elevations great than 6'.
4. **Bring a first aid kit.** Take precautions to avoid poison ivy and ticks at this site, as they are prevalent in the area.

SVE Well Purge (Monthly): Completed by: _____.

- Bring all need materials from treatment shed to SVE wells MW-19, MW-21, and MW-22:
    1. 3 dedicated whale pumps hanging in treatment room.
    2. 1 55-gallon drum
    3. 2 5-gallon buckets
    4. 3 marine batteries or 50ft lead cord for use of truck battery.
    5. Clipboard with Purge table
- Gauge each well using interface probe before beginning purge.
- Begin purging each well into a 5-gallon bucket record each full bucket then dump into 55-gallon drum until well is dry.
- Check to see if this event is for quarterly SVE sampling if yes, follow instructions below for sampling.
- Once well is dry record Depth to water using interface probe at 0 minutes, then every 30 minutes for 4 hours on the table provided for each individual well.
- Return the tabled data to Isaac Moser by end of day.

SVE Well Sampling and YSI readings (Quarterly): Completed by: _____.

- Materials needed from shop:
    1. Small cooler with Glassware
    2. Horiba (calibrated)
    3. Ice
- Check to make sure Horiba has been calibrated.
- During purge of each SVE well pump well until dry, then using water pumped into the final 5 gallon bucket collect Horiba reading and samples (see sample list below and COC). (Make sure there is enough water.)
- Then record amount of water in the last bucket for final volume pumped before dumping into drum.
- Repeat for each well.
- Send samples to Alpha Analytical. Lab Address: 8 Walkup Drive, Westborough, MA 01581

Location	Number of Bottles	Analysis Test
SVE-19	3 – HCL VOAs	8260 VOCs Full List
SVE-21	3 – HCL VOAs	8260 VOCs Full List
SVE-22	3 – HCL VOAs	8260 VOCs Full List

Data Logging and Well Gauging (Monthly): Completed by: _____.

- Bring materials from shop and Treatment shed:
    1. Keys for MW-12B and MW-15B
    2. Interface probe
    3. Data logger
    4. Clipboard with Data table
    5. Site Maps
    6. Flagging tape if needed
- Get data and physical water levels for each of the 6 wells: ERT-4, MW-4, MW5B, MW-11B, MW-12B, MW-15B.
- Check labels on each well and touch up.
- Starting with the cluster on the map of MW-4, MW-5B and ERT-4 take reading of depth to water using interface probe and record on table.
- Remove desiccant tube from transducer line and connect data logger to wire and power on.
- Open Vusitu on cell phone/device then connect data logger.
- Once connected download all data and save file by creating a new folder and labeling it with collection date.
- Disconnect from the app and then remove the data logger and replace the desiccant tube back on the wire.
- Repeat this process for each well.
- Once back to the shop email files to IM.

System Sampling (Monthly):

- Bring materials:
- Large Cooler with Bottles and glassware
- Ice
- Count to make sure all bottles are there.
- Using gloves sample from each of the locations starting with effluent (cleanest) to Combined influent (dirtiest).
- Do not washout Acid from bottles.

Contact Alpha Office 508-898-9220 if any questions or concerns on the sampling bottles.

Alpah PM is Nathalie Lewis.

Location	Number of Bottles	Analysis Test
7R	7	See COC
ERT-1	7	See COC
5R	7	See COC
Combined Influent	7	See COC
Effluent	7	See COC

Mohonk Road - Groundwater Remediation System Checklist

Date: 6/12/24 **Personnel Onsite Initials:**

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	0	6783057
(W7RFLO)	10.4	6258805
(W5RFLO)	14.9	6130086
Exterior of building checked and grounds maintained (weedwack, etc)		Y / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		3
Redux remaining (in. from bottom)		7"
Nitrogen Pressure (in PSI)		2585

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	*Water Level (Procontrol)*
W5RLVL	73.26
W7RLVL	78.65
ER1LVL	60.25
Location/ Input name	***Pressure (Procontrol)***
Transfer Pump (PREBAG)	~~13.2~~ 4.6
Air Stripper (AS_PRS)	16.82
Discharge Pump (DSCPRS)	24.5
Location	***Temp (Procontrol)***
Room (RM_TMP)	68.4
Air Stripper (AS_TMP)	—
Discharge Pump (H2OTMP)	52.8
Location	***pH***
Effluent (EFF_PH)	5.65
Effluent (Measured)	8.79

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

Mohonk Road - Additional Site Checklists

SSDS System Checklist

Date: _____

Fan	On/Off
1	Off
2	ON
3	ON
4	ON
5	ON
6	ON
7	Off

Fire Safety (Exit Sign) Checklist

Date: _____

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



Notes

Vacuum (in wc → in Hg)

1 0 → 0

2 1.353 → 0.099

3 8.881 → 0.653

4 7.239 → 0.532

5 4.787 → 0.352

6 6.102 → 0.448

7 0 → 0

Off displayed at #3

GeoLogic

MACTEC

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	16.08	8.79	248	0.685	0.0	12.10
MW-7R	15.90	6.74	220	0.742	0.0	14.89
ERT-1	offline not measured					
MW-5R	19.58	6.64	190	0.450	0.0	5.13
Combined Influent	19.14	7.58	279	0.747	0.0	5.90

SVE Purge Table						
Date: 6/12/24	Data Collected By: RO					
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)	0944	39.97	0940	51.43	0942	40.89
Depth to Bottom (Dry)	1035	57.35	0950	55.96	1020	54.82
30 min	~~1000~~ 1005	56.51	1020	55.43	1050	54.34
1 hour	1135	56.49	1050	55.11	1120	54.15
1.5 hour	1205	56.47	1120	55.08	1150	54.06
2 hours	1235	56.44	1150	55.06	1220	54.02
2.5 hours	1305	56.43	1220	55.03	1250	53.91
3 hours	1335	56.43	1250	55.02	1320	53.85
3.5 hours	1405	56.43	1320	55.00	1350	53.77
4 hours	1435	56.42	1350	54.97	1420	53.68
Volume purged	12 gal		4 gal		9 gal	
Samples Collected:	0		0		0	

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	13.63	7.88	30	1.16	60.7	11.61
MW-21	14.91	7.37	273	1.01	217	13.32
MW-22	14.92	7.78	252	.985	29	16.36

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	35.58	1411	—
MW-4	9.30	1401	—
MW-5B	33.25	1418	—
MW-11B	35.24	1430	—
MW-12B	11.19	1438	—
MW-15B	10.73	1458	—

Tailgate Safety Meeting Form

Check One:

☐ Initial Kickoff Safety Meeting ☑ Regular/Daily Tailgate Safety Meeting ☐ Unscheduled Tailgate Safety Meeting

Date: 06/12/24 Site: Mohonk

Site Manager: Peter Golaszewski (Print) Site Health and Safety Officer: Peter Golaszewski (Print)

Order of Business

Topics Discussed (Check all that apply)

- ☑ Scope of Work
- ☐ Site History/Site Layout
- ☐ Personnel Responsibilities
- ☐ Training Requirements
- ☐ Hazard Analysis of Work Tasks (chemical, physical, biological and energy health hazard effects)
- ☐ Applicable SOPs (e.g., Hearing Conservation Program, Safe Driving, etc.)
- ☑ Safe Work Practices
- ☐ Engineering Controls
- ☐ Chemical Hazards and Controls
- ☐ Signs and symptoms of over exposure to site chemicals
- ☐ Medical Surveillance Requirements
- ☐ Action Levels
- ☐ Monitoring Instruments and Personal Monitoring
- ☐ Perimeter Monitoring, Type and Frequency
- ☐ PPE Required/PPE Used
- ☐ Define PPE Levels, Donning, Doffing Procedures
- ☐ Decontamination Procedures for Personnel and Equipment
- ☑ Physical Hazards and Controls (e.g., overhead utility lines)
- ☐ Anticipated Weather (snow, high winds, rain)
- ☑ Temperature Extremes (heat or cold stress symptoms and controls)
- ☑ Biological Hazards and Controls (e.g., poison ivy, spiders)
- ☐ Site Control (visitor access, buddy system, work zones, security, communications)
- ☐ Sanitation and Illumination
- ☐ Logs, Reports, Recordkeeping
- ☐ Incident Reporting Procedures
- ☐ Near Misses/Hazard ID including worker suggestions to correct and work practices to avoid similar occurrences
- ☐ General Emergency Procedures (e.g., locations of air horns and what 1 or 2 blasts indicate)
- ☐ General Emergency Response Procedures (e.g., earthquake response, typhoon response, etc.)
- ☐ Medical Emergency Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☐ Route to Hospital and Medical Care Provider Visit Guidelines
- ☐ Site/Regional Emergency Response Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☐ Hazardous Materials Spill Procedures

PPE required for the tasks to be conducted: Level D PPE.

Required Permits: None

Site Access or other issues: None

Safety Suggestions by Site Workers:

HEART Observation Reporting

Tailgate Safety Meeting Form

Action Taken on Previous Suggestions:

Injuries/Incidents/Personnel Changes since last meeting:

Observations of unsafe work practices/conditions that have developed since previous meeting:

Location of (or changes in the locations of) evacuation routes/safe refuge areas:

Additional Comments:

Attendee signatures below indicate acknowledgment of the information and willingness to abide by the procedures discussed during this safety meeting

Name (Print)	Company	Signature
William Twitchell	WSP	
Mark Fiorig	WSP	
Ryan Orsher	WSP	

Meeting Conducted by: Peter Goluszewski (Print) Title: Consultant

Signature: (Print) Time: Consultant

Mohonk Road - Groundwater Remediation System Checklist

Date: 7/10/14 Personnel Onsite Initials: BD

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	0.0	0.0
(W7RFLO)	11.9	11.9
(W5RFLO)	0.0	0.0
Exterior of building checked and grounds maintained (weedwack, etc)		(Y) / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y (N) Pump Remotely
Redux drum changed		Y (N)
How many Redux drums remaining		2
Redux remaining (in. from bottom)		21
Nitrogen Pressure (in PSI)		~~2600~~ 2682

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	Water Level (Procontrol)
W5RLVL	-62.88
W7RLVL	-76.41
ER1LVL	-54.23
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	3.5
Air Stripper (AS_PRS)	11.90
Discharge Pump (DSCPRS)	0.3
Location	**Temp (Procontrol)**
Room (RM_TMP)	78.1
Air Stripper (AS_TMP)	Could not find
Discharge Pump (H2OTMP)	53.0
Location	**pH**
Effluent (EFF_PH)	5.56
Effluent (Measured)	

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes: [ERT-1] Total: 6783055 gal
5R: 6175008 gal
7R: 6718405 gal

Mohonk Road - Additional Site Checklists

SSDS System Checklist

Date: 7/10/14

Fan	On/Off
1	off
2	on
3	off on
4	off on
5	on
6	on
7	off

Fire Safety (Exit Sign) Checklist

Date: 7/10/14

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



in WC

Notes/Vacuum

SSDS-1 - 0

SSDS-2 - 4.035

SSDS-3 - 7.872

SSDS-4 - ~~7.8~~ 7.873

SSDS-5 - 5.535

SSDS-6 - 6.065

SSDS-7 - 0

GeoLogic

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System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	21.46	8.36	277	.671	0.4	26.48
MW-7R	23.04	7.07	272	.646	6.0	17.78
ERT-1						
MW-5R						
Combined Influent						

SVE Purge Table						
Date: 7/10/24 Data Collected By: Matthew Liedtke						
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)	0950	52.77	10:31	51.47	10:60	42.57
Depth to Bottom (Dry)	1010	57.35	10:40	55.93	10:30	55.50
30 min	10:40	56.20	11:10	54.29	11:00	54.21
1 hour	11:10	56.30	11:40	5428	1130	54.20
1.5 hour	11:40	56.29	12:10	5427	1200	54.18
2 hours	12:10	56.28	1240	54.27	1230	54.18
2.5 hours	12:40	56.28	1310	54.27	1300	54.18
3 hours	13:10	56.28	1340	54.27	1330	54.17
3.5 hours	13:40	56.27	1410	54.27	1400	54.17
4 hours	14:10	56.27	1440	54.27	1430	54.17
Volume purged	2 Gal		2 Gal		7 Gal	
Samples Collected:						

(4)

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	20.86	6.45	282	0.845	380	40.64
MW-21	18.70	7.21	263	0.903	131	30.48
MW-22	18.72	715	213	0.814	1.9	3760

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	38.73	1131	
MW-4	17.54	1114	
MW-5B	34.97	1125	
MW-11B	32.58	1103	
MW-12B	12.12	1040	
MW-15B	10.44	1006	

Mohonk Road - Groundwater Remediation System Checklist

Date: 8/8/2024 **Personnel Onsite Initials:**

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	—	6783180
(W7RFLO)	11.70	7033630
(W5RFLO)	—	6271047

Exterior of building checked and grounds maintained (weedwack, etc)	(Y) / N rain prevents weedwack
Clean influent flow meters	NA
Adjust flow to set points using valves (see below for set points)	Y / (N)
Redux drum changed	(Y) / N
How many Redux drums remaining	~~3~~ 1.5
Redux remaining (in. from bottom)	Full (2.5 Total)
Nitrogen Pressure (in PSI)	1685

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	Water Level (Procontrol)
W5RLVL	-68.96
W7RLVL	-64.51
ER1LVL	-56.20
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	3.5
Air Stripper (AS_PRS)	16.18
Discharge Pump (DSCPRS)	24.5
Location	**Temp (Procontrol)**
Room (RM_TMP)	59.9
Air Stripper (AS_TMP)	54.0
Discharge Pump (H2OTMP)	54.0
Location	**pH**
Effluent (EFF_PH)	~~6.50~~ 6.5
Effluent (Measured)	5.80

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

Mohonk Road - Additional Site Checklists

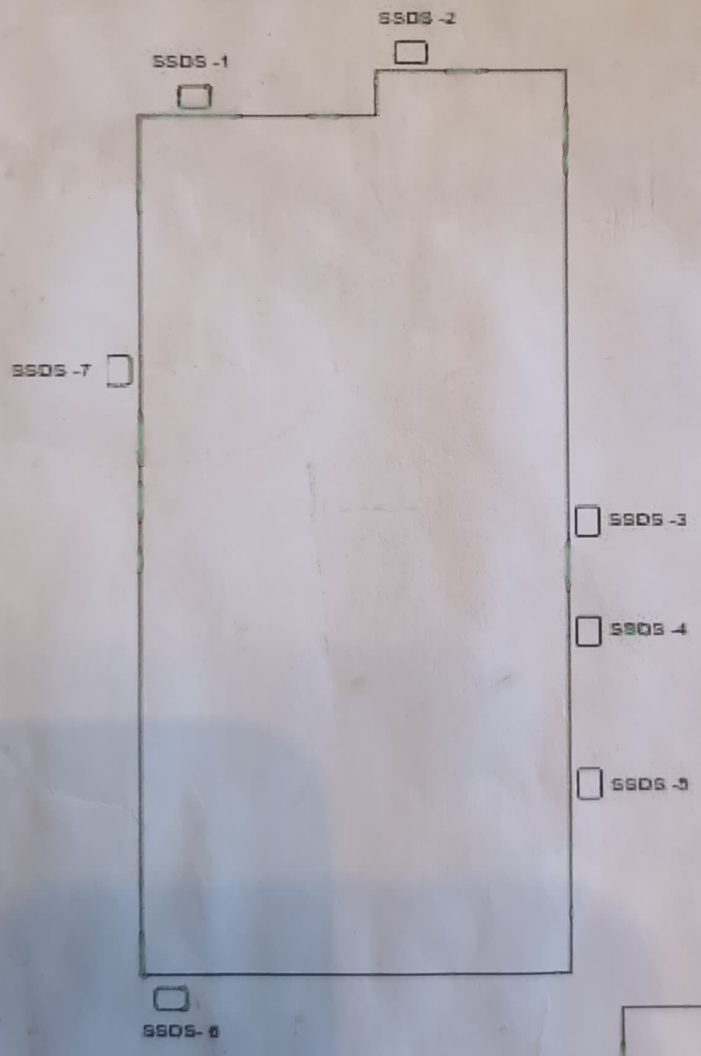
Date: SSDS System Checklist 8/8/24

Fan	On/Off
1	Off
2	On
3	On
4	On
5	On
6	On
7	Off

Date: Fire Safety (Exit Sign) Checklist 8/8/24

Location	Y/N
Front Door	Yes
Air Stripper Rm	Yes
Back Door	Yes

Treatment Plant



Notes/Vacuum (inHG)

SSDS-1 - Off

SSDS-2 - 1.419 InWC = 0.104 InHG

SSDS-3 - 9.465-OFL InWC = 0.696 InHG

SSDS-4 - 8.326 - OFL InWC = 0.612 InHG

SSDS-5 - 4.582-OFL InWC = 0.337 InHG

SSDS-6 - 6.344 - OFL InWC = 0.467 InHG

SSDS-7 - OFF

GeoLogic

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8/8/2024

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	16.91	7.12	210	0.465	9.6	6.72
MW-7R	16.77	6.92	183	0.409	2.4	0.0
ERT-1						
MW-5R						
Combined Influent						

SVE Purge Table						
Date:	Data Collected By:					
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)	0930	51.95	0950	51.74	1000	26.89
Depth to Bottom (Dry)	0945	56.99	1000	55.35	1020	55.20
30 min	1015	56.19	1030	54.37	1050	54.18
1 hour	1045	56.19	~~1050~~ 1100	54.37	1120	54.19
1.5 hour	1115	56.17	1130	54.32	1150	53.98
2 hours	1145	56.17	1200	54.31	1220	53.94
2.5 hours	12:15	56.16	1230	54.28	1250	53.86
3 hours	12:45	56.15	1300	54.27	1320	53.79
3.5 hours	1315	56.12	1330	54.25	1350	53.74
4 hours	1345	56.14	1400	54.23	1420	53.64
Volume purged	3 GAL		2 GAL		1.5+2 1/2 GAL	
Samples Collected:	NA		NA		NA	

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19						
MW-21	SVE Parameters not Collected on 8/8/24					
MW-22	O&M Site Visit					

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	36.40	12:32	
MW-4	17.85	12:25	
MW-5B	34.89	12:36	
MW-11B	32.65	12:50	
MW-12B	10.55	13:10	
MW-15B	10.74	13:50	

Mohonk Road - Groundwater Remediation System Checklist

Date: 9/6/24 **Personnel Onsite Initials:** MF/ML

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	0.0	6783254
(W7RFLO)	9.3	7446423
(W5RFLO)	9.2	6602306
Exterior of building checked and grounds maintained (weedwack, etc)		(Y) N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / (N)
Redux drum changed		Y / (N)
How many Redux drums remaining		2
Redux remaining (in. from bottom)		0.5 Drum
Nitrogen Pressure (in PSI)		2440

Well Name	(GPM)
MW-5R	9.2
MW-7R	9.3
ERT-1	0.0

Input Name	*Water Level (Procontrol)*
W5RLVL	-74.94
W7RLVL	-81.63
ER1LVL	-63.88
Location/ Input name	***Pressure (Procontrol)***
Transfer Pump (PREBAG)	4.3
Air Stripper (AS_PRS)	16.61
Discharge Pump (DSCPRS)	24.6
Location	***Temp (Procontrol)***
Room (RM_TMP)	63.6
Air Stripper (AS_TMP)	—
Discharge Pump (H2OTMP)	53.0
Location	***pH***
Effluent (EFF_PH)	6.71
Effluent (Measured)	7.0

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

Not Sampled will be sample when work on ERT-1 is Complete

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent						
MW-7R						
ERT-1						
MW-5R						
Combined Influent						

Extraction Well Water Measurements			
	Measured DTW	N2 Pressure	Notes
ERT-1	64'	60	
MW-5R	~~64~~ 75'	60	
MW-7R	82'	60	

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	37.5'	1110	
MW-4	18.9'	1100	
MW-5B	34.4'	1115	
MW-11B	40.0'	1130	
MW-12B	15.3'	1140	
MW-15B	11.4'	1205	

Mohonk Road - Additional Site Checklists

SSDS System Checklist

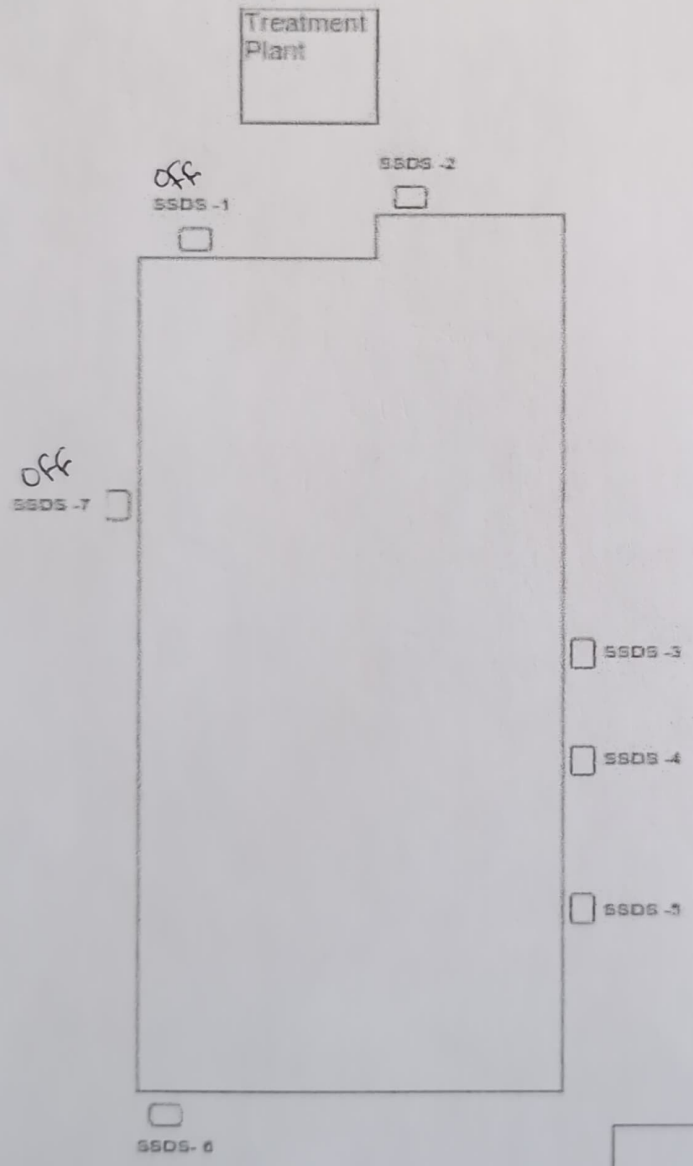
Date: 9/6/24

Fan	On/Off
1	Off
2	On
3	On
4	On
5	On
6	On
7	Off

Fire Safety (Exit Sign) Checklist

Date: 9/6/24

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



Notes/Vacuum (inHG)

SSDS-1 - N/A

SSDS-2 - 0.204

SSDS-3 - 0.696

SSDS-4 - 0.612

SSDS-5 - 0.337

SSDS-6 - 0.467

SSDS-7 - N/A

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Mohonk Road - Groundwater Remediation System Checklist

Date: 10/09/24

Personnel Onsite Initials:

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.9	7187566
(W7RFLO)	5.5	7794000
(W5RFLO)	6.6	6958846
Exterior of building checked and grounds maintained (weedwack, etc)		Y / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		1.5
Redux remaining (in. from bottom)		12.5
Nitrogen Pressure (in PSI)		2304

Well Name	Set point (GPM)
MW-5R	9.5
MW-7R	7.5
ERT-1	12

Input Name	Water Level (Procontrol)
W5RLVL	-94.26
W7RLVL	-96.83
ER1LVL	-85.78
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	4.3
Air Stripper (AS_PRS)	16.70
Discharge Pump (DSCPRS)	24.1
Location	**Temp (Procontrol)**
Room (RM_TMP)	53.9
Air Stripper (AS_TMP)	—
Discharge Pump (H2OTMP)	52.7
Location	**pH**
Effluent (EFF_PH)	6.92
Effluent (Measured)	8.10

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:

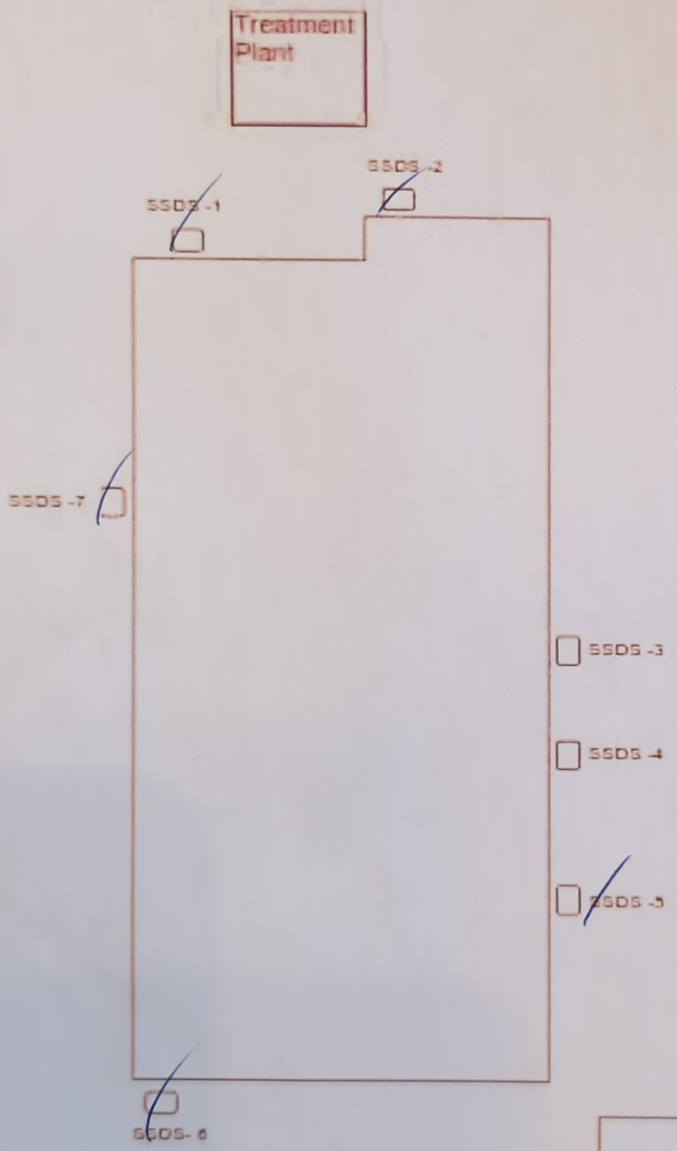
Mohonk Road - Additional Site Checklists

Date: SSDS System Checklist 10/9/24

Fan	On/Off
1	On
2	On
3	On
4	On
5	On
6	On
7	On

Date: Fire Safety (Exit Sign) Checklist 10/9/24

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



Notes/Vacuum

Collected in inWC / converted to inHg

SSDS-1 - 4.5 inWC (0.331 inHg) labelled + in good shape

SSDS-2 - 1.25 inWC (0.0919 inHg) labelled + in good shape

SSDS-3 - 11 inWC (0.808 inHg)

SSDS-4 - 7.5 inWC (0.551 inHg)

SSDS-5 - 3 inWC (0.220 inHg) labelled + in good shape

SSDS-6 - 6 inWC (0.441 inHg) labelled + in good shape

SSDS-7 - 12 inWC (0.882 inHg)

GeoLogic

MACTEC

10/9/24

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	15.94	8.10	184	0.682	0.0	21.78
MW-7R	14.98	7.33	206	0.609	0.0	35.55
ERT-1	13.57	7.16	212	0.651	0.0	37.73
MW-5R	13.53	7.09	217	0.755	0.0	17.06
Combined Influent	17.00	7.29	200	0.771	0.0	10.88

SVE Purge Table						
Date:	Data Collected By:					
Well ID:	MW-19		MW-21		MW-22	
	Time	DTW	Time	DTW	Time	DTW
Initial (Before Purge)	[redacted] 10:00	52.61	[redacted] 10:00	53.25	10:00	48.00
Depth to Bottom (Dry)	1015	57.16	10:20	55.79	10:30	55.35
30 min	1045	56.41	1050	54.75	1100	54.60
1 hour	1115	56.36	1120	54.74	1130	54.59
1.5 hour	1145	56.37	1150	54.72	1200	54.58
2 hours	1215	56.38	1220	54.78	1230	54.59
2.5 hours	1245	56.39	1250	54.74	1300	54.60
3 hours	1315	56.39	1320	54.77	1330	54.59
3.5 hours	1345	56.36	1350	54.75	1400	54.59
4 hours	1415	56.39	1420	54.74	1430	54.59
Volume purged	2.5 GAL		1 GAL		4 GAL	
Samples Collected:						

SVE Purge Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
MW-19	12.29	7.06	-3	0.943	26.6	14.00
MW-21	13.35	7.07	118	1.18	46.8	28.13
MW-22	13.49	7.16	35	1.08	20.3	21.10

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	39.87	13:08	—
MW-4	18.81	1245	—
MW-5B	35.11	13:13	—
MW-11B	55.27	12:33	—
MW-12B	22.90	12:21	—
MW-15B	12.45	11:50	—

Mohonk Road - Groundwater Remediation System Checklist

Date: 11/3/2024 **Personnel Onsite Initials:**

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	~~6.9~~ 6.75	~~8~~ 7613990
(W7RFLO)	~~2.8~~ 2.75	~~2648~~ 7746456
(W5RFLO)	~~4.6~~ 5.0	7232974
Exterior of building checked and grounds maintained (weedwack, etc)		(Y)/ N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / (N)
Redux drum changed		(Y)/ N
How many Redux drums remaining		~~1 Full + 1 Empty~~ 0
Redux remaining (in. from bottom)		Full Drum on today
Nitrogen Pressure (in PSI)		2098

Well Name	(GPM) (ProControl)
MW-5R	~~8~~ 6.9
MW-7R	2.8
ERT-1	~~4.6~~ ~~8~~ 4.6

Input Name	Water Level (Procontrol)
W5RLVL	-92.00
W7RLVL	~~-94~~ -95.09
ER1LVL	-82.98
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	3.5
Air Stripper (AS_PRS)	0.40
Discharge Pump (DSCPRS)	0.3
Location	**Temp (Procontrol)**
Room (RM_TMP)	53.8
~~Air Stripper (AS_TMP)~~	Not Taken
Discharge Pump (H2OTMP)	52.6
Location	**pH**
Effluent (EFF_PH)	6.97
Effluent (Measured)	7.02

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes: Approx half drum of redox used since last visit

11/3/2024

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent						
MW-7R						
ERT-1						
MW-5R						
Combined Influent						

NR
Samples collected + sent w/ courier

Extraction Well Water Measurements			
	Measured DTW	N2 Pressure	Notes
ERT-1	83.61	65	
MW-5R	92.31	62	
MW-7R	94.00	62	

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	41.42	10:52	
MW-4	19.32	10:42	
MW-5B	35.55	10:58	
MW-11B	55.57	11:41	
MW-12B	26.85	11:28	
MW-15B	13.30	11:14	

Mohonk Road - Additional Site Checklists

SSDS System Checklist

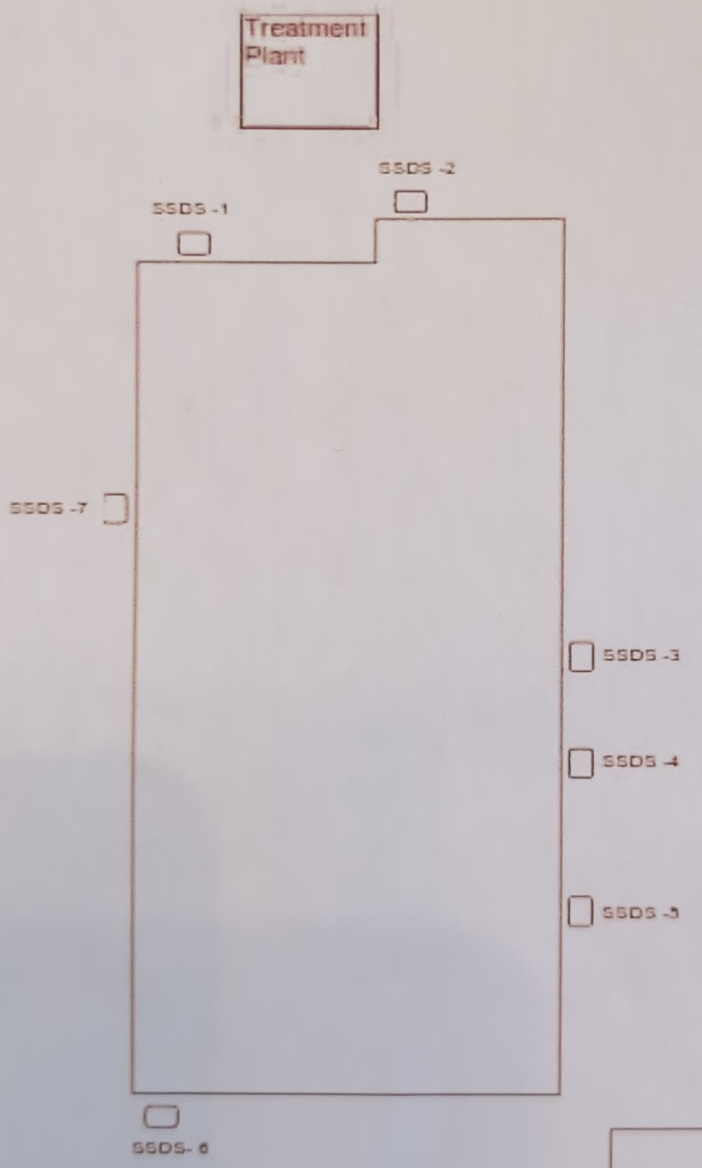
Date: 11/3/2024

Fan	On/Off
1	On
2	On
3	On
4	On
5	On
6	On
7	On

Fire Safety (Exit Sign) Checklist

Date: _____

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y



Notes/Vacuum (~~in~~ "WC)

SSDS-1 - -2.60

SSDS-2 - ~~-2.60~~ -1.360

SSDS-3 - -1.342

SSDS-4 - -2.60

SSDS-5 - -2.60

SSDS-6 - -2.60

SSDS-7 - -2.60

GeoLogic

MACTEC

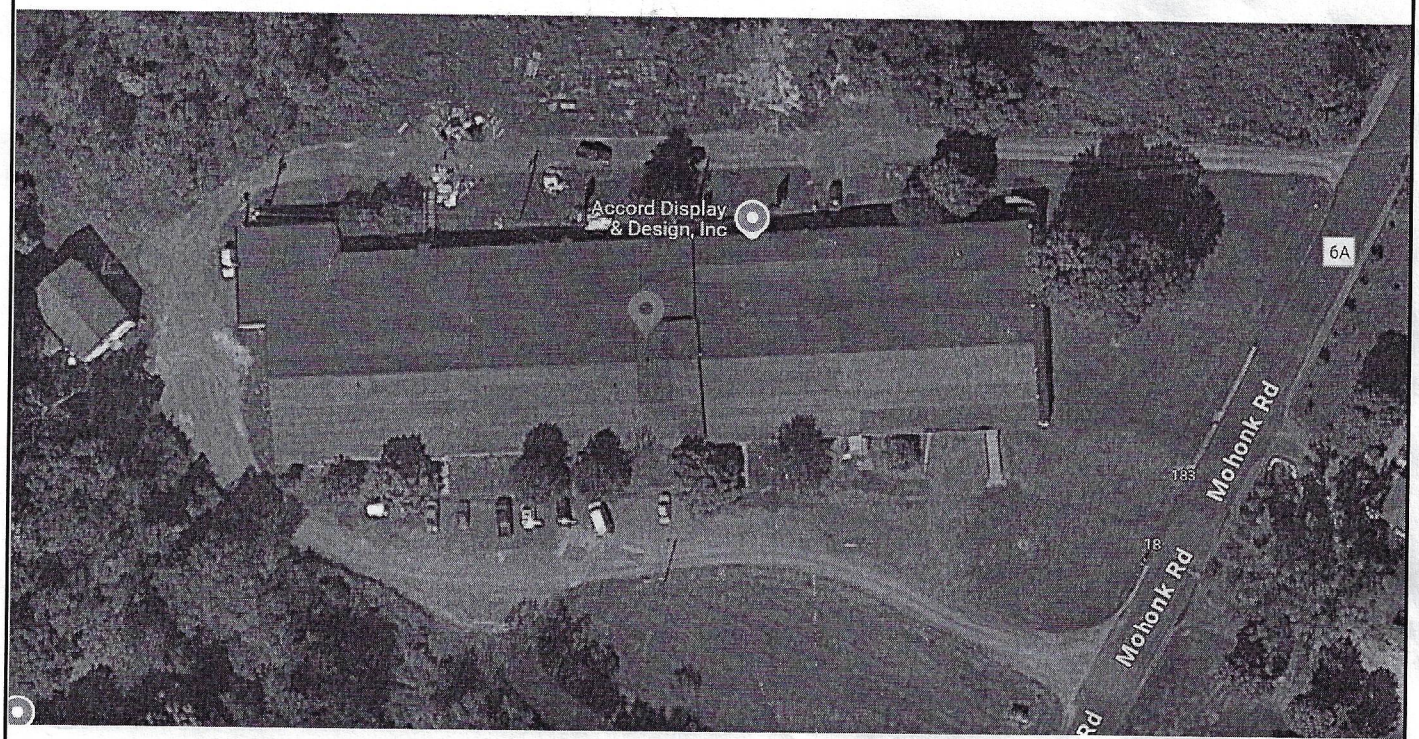
MACTEC

Site Name: NYSDEC – Mohonk Road Industrial Plant
Project: US-EI-7772210116.03.01

Address:	186 Mohonk Road High Falls NY 12440	Door Code: 2-4-6-8
Site Contacts:	Isaac Moser (814)-380-3652, Nicole Bonsteel (609)-475-2479, Charles Gregory (NYSDEC) (518)-402-9813	
Task Requested	Monthly O&M / Sampling 2024	
Task To Be Completed By:	1 Foreman and 3 Tech – One 8 hr day. OT must be pre-approved	

HAS Overview:

1. Review site specific health and safety sheet. Identify all typical and new potential hazards. Sign into site using sign in sheet in treatment room.
2. Conduct tailgate safety meeting. Make sure all contractors and sub-contractors onsite sign the daily health and safety form. This includes all over site personnel (i.e. DEC, Engineering Firms, Etc...) Return to PM, signed.
3. Wear all necessary PPE when performing tasks onsite. This shall include but not be limited to: gloves, eye protection, hearing protection, and fall protection when working at elevations great than 6'.
4. **Bring a first aid kit**. Take precautions to avoid poison ivy and ticks at this site, as they are prevalent in the area.



Data Logging and Well Gauging (Monthly): Completed by: _____.

- Bring materials from shop and Treatment shed:
    1. Keys for MW-12B and MW-15B
    2. Interface probe
    3. Data logger
    4. Clipboard with Data table
    5. Site Maps
    6. Flagging tape if needed
- Get data and physical water levels for each of the 6 wells: ERT-4, MW-4, MW5B, MW-11B, MW-12B, MW-15B.
- Check labels on each well and touch up.
- Starting with the cluster on the map of MW-4, MW-5B and ERT-4 take reading of depth to water using interface probe and record on table.
- Remove desiccant tube from transducer line and connect data logger to wire and power on.
- Open Vusitu on cell phone/device then connect data logger.
- Once connected download all data and save file by creating a new folder and labeling it with collection date.
- Disconnect from the app and then remove the data logger and replace the desiccant tube back on the wire.
- Repeat this process for each well.
- Once back to the shop email files to IM.

System Sampling (Monthly):

- Bring materials:
- Large Cooler with Bottles and glassware
- Ice
- Count to make sure all bottles are there.
- Using gloves sample from each of the locations starting with effluent (cleanest) to Combined influent (dirtiest).
- Do not washout Acid from bottles.

Contact Alpha Office 508-439-5155 if any questions or concerns on the sampling bottles.
Pace PM is Marty Vintanza.

Location	Number of Bottles	Analysis Test
7R	7	See COC
ERT-1	7	See COC
5R	7	See COC
Combined Influent	7	See COC
Effluent	7	See COC

System Check: (Monthly)

- Review site specific health and safety sheet. Identify all typical and new potential hazards. Sign into site using COVID-19 tracking sheet onsite. **Please return any full sign in sheets and start a new one to leave onsite.**
- Shovel if needed.
- Check all system conditions and provide notes recorded on system check sheet.
- Take all system readings and readings from the ProControl and record on the system check sheet including nitrogen pressure.
- Shut down system via ProControl and breaker.
- Drain influent lines into a bucket via the sample ports. Treat water through system. Close influent valves on both sides of the flow meter and disconnect flow meters using the true-union connection. Run a long brush through the flow meter from both ends to remove any possible scaling as needed.
- Reconnect union fittings and open valves all the way.
- Restart system.
- Set wells to setpoints listed on the system check sheet.
- Sweep/vacuum all floors and surfaces that need it. Wipe down surfaces, especially those with rodent droppings. Clean up plant. Remove ALL food waste/trash from treatment building!
- Check Effluent pH with strips onsite and record on the field log. Check with calibrated Horiba when possible.
- Walk the perimeter of the building that shares a parking lot with the plant and check the SSDS Fans. Fill out the SSDS Checklist on the back of the system log. Note any existing/potential issues.
- Test light on exit signs and mark on system check sheet. Check fire extinguishers.
- Check to make sure system is running before leaving and shut off all lights and lock door.

Tools / Equipment Required:

- Toolbox (to include at least: screwdrivers, pliers, hacksaw, hammer, flashlight, adjustable wrench, pipe wrenches, battery power tools etc.)
- Appropriate health and safety gear and H&S sheet/COVID-19 H&S log – return signed copy to
- System O&M Checklist
- Gloves (if needed leave a box onsite)
- VuSitu Data logger and data collection device.
- Interface probe
- Horiba (quarterly)
- Snow Shovel (if necessary)
- **Sample bottleware**

Requestor:	Please return notes to Isaac Moser

Mohonk Road - Groundwater Remediation System Checklist

Date: 12/11/24 **Personnel Onsite Initials:**

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.4	7894725
(W7RFLO)	3.2	8095151
(W5RFLO)	10.6	752352
Exterior of building checked and grounds maintained (weedwack, etc)		Y / N
Clean influent flow meters		NA
Adjust flow to set points using valves (see below for set points)		Y / N
Redux drum changed		Y / N
How many Redux drums remaining		0
Redux remaining (in. from bottom)		19" (after consolidating)
Nitrogen Pressure (in PSI)		2003

Well Name	(GPM)
MW-5R	10.25
MW-7R	3.25
ERT-1	9.65

Input Name	Water Level (Procontrol)
W5RLVL	92.06
W7RLVL	90.83
ER1LVL	83.08
Location/ Input name	**Pressure (Procontrol)**
Transfer Pump (PREBAG)	4.8
Air Stripper (AS_PRS)	16.94
Discharge Pump (DSCPRS)	24.1
Location	**Temp (Procontrol)**
Room (RM_TMP)	54.3
Air Stripper (AS_TMP)	—
Discharge Pump (H2OTMP)	51.9
Location	**pH**
Effluent (EFF_PH)	6.96
Effluent (Measured)	6.97

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes: Leaks observed from skylight outside of process room. Strong odors inside treatment building. No full redox drums left, consolidated existing drums. 15" of redox in one drum, → 19" after consolidation. Placed bucket underneath skylight to catch dripping

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent	11.91	6.97	202	0.704	0.0	~~9~~ 7.50
MW-7R	12.73	6.74	191	0.216	0.0	5.92
ERT-1	12.22	6.98	197	0.606	0.0	3.50
MW-5R	12.14	7.28	198	0.667	0.0	10.84
Combined Influent	12.10	7.46	232	0.666	1.7	4.92

Extraction Well Water Measurements			
	Measured DTW	N2 Pressure	Notes
ERT-1		67psi	Water level meter not functional
MW-5R		65psi	
MW-7R		61 psi	

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4			
MW-4			
MW-5B			
MW-11B			
MW-12B			
MW-15B			

System Sampling Water Quality Parameter Readings						
	Temperature (°C)	pH	ORP mV	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO mg/L
Effluent						
MW-7R						
ERT-1						
MW-5R						
Combined Influent						

Extraction Well Water Measurements			
	Measured DTW	N2 Pressure	Notes
ERT-1			
MW-5R			
MW-7R			

Level Logger Data Collection			
Well ID	Measured DTW	Time	Notes
ERT-4	N/A	11:00	
MW-4	N/A	11:15	
MW-5B	N/A	11:30	
MW-11B	N/A	11:45	
MW-12B	N/A	11:50	
MW-15B	N/A	12:10	

11/13/24

Mohonk Road - Additional Site Checklists

SSDS System Checklist

Date: _____

Fan	On/Off
1	Y
2	Y
3	Y
4	Y
5	Y
6	Y
7	Y

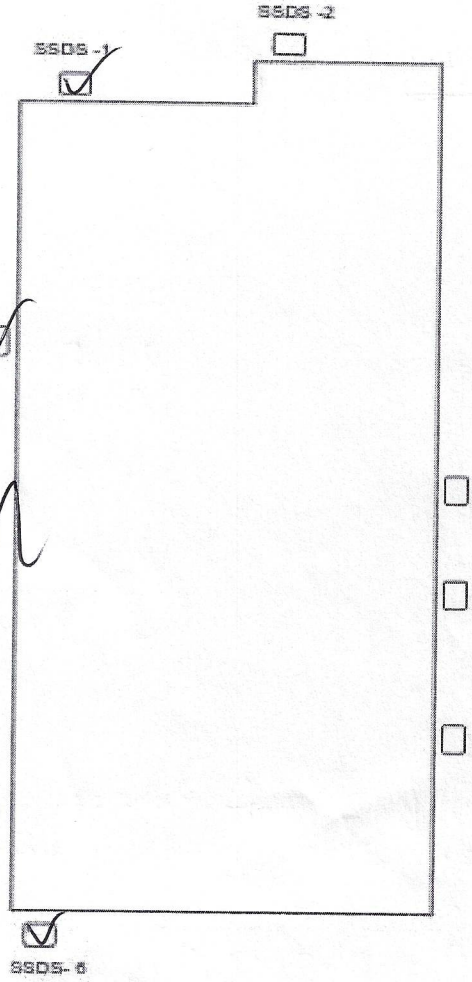
Fire Safety (Exit Sign) Checklist

Date: _____

Location	Y/N
Front Door	Y
Air Stripper Rm	Y
Back Door	Y

monometer = 477AV by Dwyer

Treatment Plant



SSPS-1 manometer displayed Unfl under pressure = Unfl

max range of manometer is 0.000 - 4.000 in WC

Notes/Vacuum (inHG)

SSDS-1 - -0.31

SSDS-2 - -0.11

SSDS-3 - deer to high to read

SSDS-4 - -0.64

SSDS-5 - -0.31

SSDS-6 - -0.50

SSDS-7 - unfl

deer error message unable to read vacuum @ SSDS-7 to high for monometer

GeoLogic

MACTEC

Tailgate Safety Meeting Form

Check One:

☐ Initial Kickoff Safety Meeting ☑ Regular/Daily Tailgate Safety Meeting ☐ Unscheduled Tailgate Safety Meeting

Date: 12/11/24 Site: 0 186 Mohawk Road

Site Manager: Peter Golaszewski (Print) Site Health and Safety Officer: Peter Golaszewski (Print)

Order of Business

Topics Discussed (Check all that apply)

- ☑ Scope of Work
- ☑ Site History/Site Layout
- ☑ Personnel Responsibilities
- ☑ Training Requirements
- ☑ Hazard Analysis of Work Tasks (chemical, physical, biological and energy health hazard effects)
- ☑ Applicable SOPs (e.g., Hearing Conservation Program, Safe Driving, etc.)
- ☑ Safe Work Practices
- ☐ Engineering Controls
- ☑ Chemical Hazards and Controls
- ☐ Signs and symptoms of over exposure to site chemicals
- ☐ Medical Surveillance Requirements
- ☐ Action Levels
- ☐ Monitoring Instruments and Personal Monitoring
- ☐ Perimeter Monitoring, Type and Frequency
- ☑ PPE Required/PPE Used
- ☑ Define PPE Levels, Donning, Doffing Procedures
- ☐ Decontamination Procedures for Personnel and Equipment
- ☑ Physical Hazards and Controls (e.g., overhead utility lines)
- ☑ Anticipated Weather (snow, high winds, rain)
- ☑ Temperature Extremes (heat or cold stress symptoms and controls)
- ☑ Biological Hazards and Controls (e.g., poison ivy, spiders)
- ☐ Site Control (visitor access, buddy system, work zones, security, communications)
- ☐ Sanitation and Illumination
- ☑ Logs, Reports, Recordkeeping
- ☐ Incident Reporting Procedures
- ☐ Near Misses/Hazard ID including worker suggestions to correct and work practices to avoid similar occurrences
- ☐ General Emergency Procedures (e.g., locations of air horns and what 1 or 2 blasts indicate)
- ☐ General Emergency Response Procedures (e.g., earthquake response, typhoon response, etc.)
- ☑ Medical Emergency Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☑ Route to Hospital and Medical Care Provider Visit Guidelines
- ☐ Site/Regional Emergency Response Procedures (e.g., exposure control precautions, location of first aid kits, etc.)
- ☐ Hazardous Materials Spill Procedures

PPE required for the tasks to be conducted: Gloves, safety glasses, hard toe boots

Required Permits: N/A

Site Access or other issues:

Safety Suggestions by Site Workers:

HEART Observation Reporting

Tailgate Safety Meeting Form

Action Taken on Previous Suggestions:

Injuries/Incidents/Personnel Changes since last meeting:

Observations of unsafe work practices/conditions that have developed since previous meeting:

Location of (or changes in the locations of) evacuation routes/safe refuge areas:

Additional Comments:

Attendee signatures below indicate acknowledgment of the information and willingness to abide by the procedures discussed during this safety meeting

Name (Print)	Company	Signature
Peter Golaszewski	WSP	
Paul Garipov	WSP	
Matthew Liedtka	WSP	

Meeting Conducted by: Peter Golaszewski (Print) Title: Consultant

Signature: (Print) Time: 9:15

APPENDIX F

2024 Annual OMM Chemist Review Summaries

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2402022
Date: 8/24/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? Yes
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one) -01, -02 no preserved see backup for quals

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)
   Are Trip blanks free of contamination? YES NO (circle one)
   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☐ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO
   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
   Were all results were within Region II control limits? YES NO (circle one) see backup, no quals

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
   Were all results within Region II limits? YES NO (circle one)

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO
   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)
    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2402022
Date: 8/24/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? Yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha L2402022
Date: 8/24/24
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha
Date: 8/24/24
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☐ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

ANALYTICAL REPORT

Lab Number:	L2402022
Client:	WSP 200 Century Parkway Suite C Mt. Laurel, NJ 08054
ATTN:	Julie Lehrman
Phone:	(856) 793-2005
Project Name:	NYSDEC MOHONK RD INDUSTRIAL PL
Project Number:	7772210116.03.02
Report Date:	02/20/24

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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:	NYSDEC MOHONK RD INDUSTRIAL PL	**Lab Number:**	L2402022
Project Number:	7772210116.03.02	**Report Date:**	02/20/24

Case Narrative (continued)

Report Revision

February 20, 2024: The Volatile Organics by Method 624 analyte list has been amended on L2402022-01 through -06.

Report Submission

January 24, 2024: This final report includes the results of all requested analyses.

January 18, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2402022-06: 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. no quals

Volatile Organics by Method 624 associated samples qual UJ/J for 2-chloroethylvinylether

L2402022-01 and -02: The pH of the sample was less than two. It should be noted that 2-chloroethylvinyl ether breaks down under acidic conditions. The sample was not appropriately preserved for the analysis of acrolein.

The WG1874483-3 LCS recovery, associated with L2402022-01 through -06, is above the acceptance criteria for 2-butanone (146%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported. all samples ND, no quals

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: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 02/20/24

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL **Lab Number:** L2402022

Project Number: 7772210116.03.02 **Report Date:** 02/20/24

SAMPLE RESULTS

Lab ID: L2402022-02
Client ID: 7R
Sample Location: 186 MOHONK RD, HIGH FALLS, NY

Date Collected: 01/10/24 13:15
Date Received: 01/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 01/12/24 19:03
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	35		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	60		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	10		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	1.1		ug/l	1.0	0.17	1

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL **Lab Number:** L2402022

Project Number: 7772210116.03.02 **Report Date:** 02/20/24

SAMPLE RESULTS

Lab ID: L2402022-02 Date Collected: 01/10/24 13:15

Client ID: 7R Date Received: 01/11/24

Sample Location: 186 MOHONK RD, HIGH FALLS, NY Field Prep: Not Specified

Sample Depth: Limits: 80-120

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.5		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		60-140
Fluorobenzene	100		60-140
4-Bromofluorobenzene	79		60-140

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL **Lab Number:** L2402022

Project Number: 7772210116.03.02 **Report Date:** 02/20/24

SAMPLE RESULTS

Lab ID: L2402022-04
Client ID: 5R
Sample Location: 186 MOHONK RD, HIGH FALLS, NY

Date Collected: 01/10/24 13:30
Date Received: 01/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 01/12/24 20:12
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	1.9		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	22		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	7.4		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL **Lab Number:** L2402022

Project Number: 7772210116.03.02 **Report Date:** 02/20/24

SAMPLE RESULTS

Lab ID: L2402022-04 Date Collected: 01/10/24 13:30

Client ID: 5R Date Received: 01/11/24

Sample Location: 186 MOHONK RD, HIGH FALLS, NY Field Prep: Not Specified

Sample Depth:

Limits: 80-120

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.1		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		60-140
Fluorobenzene	101		60-140
4-Bromofluorobenzene	79		60-140

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL **Lab Number:** L2402022

Project Number: 7772210116.03.02 **Report Date:** 02/20/24

SAMPLE RESULTS

Lab ID: L2402022-05
Client ID: COMBINED INFLUENT
Sample Location: 186 MOHONK RD, HIGH FALLS, NY

Date Collected: 01/10/24 13:45
Date Received: 01/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 01/12/24 20:46
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	1.8		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	19		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	6.4		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL **Lab Number:** L2402022

Project Number: 7772210116.03.02 **Report Date:** 02/20/24

SAMPLE RESULTS

Lab ID: L2402022-05 Date Collected: 01/10/24 13:45

Client ID: COMBINED INFLUENT Date Received: 01/11/24

Sample Location: 186 MOHONK RD, HIGH FALLS, NY Field Prep: Not Specified

Sample Depth:

Limits: 80-120

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.9		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	99		60-140
Fluorobenzene	101		60-140
4-Bromofluorobenzene	79		60-140

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL **Lab Number:** L2402022

Project Number: 7772210116.03.02 **Report Date:** 02/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 01/12/24 15:37
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1874483-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	81		60-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL

Project Number: 7772210116.03.02

Lab Number: L2402022

Report Date: 02/20/24

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: WG1874483-3								
Methylene chloride	110		-		60-140	-		28
1,1-Dichloroethane	115		-		50-150	-		49
Chloroform	105		-		70-135	-		54
Carbon tetrachloride	115		-		70-130	-		41
1,2-Dichloropropane	120		-		35-165	-		55
Dibromochloromethane	100		-		70-135	-		50
1,1,2-Trichloroethane	100		-		70-130	-		45
2-Chloroethylvinyl ether	95		-		1-225	-		71
Tetrachloroethene	110		-		70-130	-		39
Chlorobenzene	80		-		65-135	-		53
Trichlorofluoromethane	120		-		50-150	-		84
1,2-Dichloroethane	120		-		70-130	-		49
1,1,1-Trichloroethane	110		-		70-130	-		36
Bromodichloromethane	100		-		65-135	-		56
trans-1,3-Dichloropropene	100		-		50-150	-		86
cis-1,3-Dichloropropene	105		-		25-175	-		58
Bromoform	70		-		70-130	-		42
1,1,2,2-Tetrachloroethane	75		-		60-140	-		61
Benzene	105		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	80		-		60-140	-		63
Chloromethane	100		-		1-205	-		60
Bromomethane	90		-		15-185	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC MOHONK RD INDUSTRIAL PL

Project Number: 7772210116.03.02

Lab Number: L2402022

Report Date: 02/20/24

Limits: 70-130

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: WG1874483-3								
Vinyl chloride	175		-		5-195	-		66
Chloroethane	135		-		40-160	-		78
1,1-Dichloroethene	110		-		50-150	-		32
trans-1,2-Dichloroethene	110		-		70-130	-		45
cis-1,2-Dichloroethene	110		-		60-140	-		30
Trichloroethene	115		-		65-135	-		48
1,2-Dichlorobenzene	80		all samples ND for parameters, no quals		65-135	-		57
1,3-Dichlorobenzene	80		-		70-130	-		43
1,4-Dichlorobenzene	80		-		65-135	-		57
p/m-Xylene	78		-		60-140	-		30
o-xylene	75		-		60-140	-		30
Styrene	75		-		60-140	-		30
Acetone	138		-		40-160	-		30
Carbon disulfide	100		-		60-140	-		30
2-Butanone	**146**	Q	-		60-140	-		30
Vinyl acetate	95		-		60-140	-		30
4-Methyl-2-pentanone	124		-		60-140	-		30
2-Hexanone	136		-		60-140	-		30
Acrolein	110		-		60-140	-		30
Acrylonitrile	128		-		60-140	-		60
Dibromomethane	105		-		70-130	-		30

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 01/11/24

ALPHA Job #: L2402022

Client Information

Client: NYSDEC Central Office / WSP
Address: 10 Lake Center Drive, Suite 206
Marlton, NJ
Phone: 609-475-2479
Fax:
Email: Nicole.Bonsteel@wsp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NYSDEC Mohonk Rd Industrial Plant
Project Location: 186 Mohonk Rd, High Falls, NY
Project #: 77722010116.03.02
Project Manager: Nicole.Bonsteel@wsp.com
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	1,4 Dioxane via EPA 8270D_SIM	TDS SM 2540	TSS SM 2540	pH Hydrogen Ion Conc. SM4500	Total Iron EPA 200.7	VOCs EPA 624.1	Sample Specific Comments	TOTAL # BOTTLES
02022-01	Effluent	1/10/24	1300	GW	PG	x	x	x	x	x	x		8
-02	[redacted] 7R	1/10/24	1315	GW	PG	x	x	x	x	x	x		8
-03	ERT-1	1/10/24	1325	GW	PG	x	x	x	x	x	x		8
-04	[redacted] 5R	1/10/24	1330	GW	PG	x	x	x	x	x	x		8
-05	Combined Influent	1/10/24	1345	GW	PG	x	x	x	x	x	x		8

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Peter Golaszewski	1/10/24 16:00	AMR	1/11/24 1000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ORIGIN ID:SWFA (516) 426-6272

WSP USA E & I INC
200 AMERICAN METRO BLVD #113

HAMILTON, NJ 08619
UNITED STATES US

SHIP
ACTWG:
CAD:
DIMS:
BILL

RT 369
FZ 368

1
10:30
F
80%
01.11

TO

ALPHA ANALYTICAL
8 WALKUP DR

WESTBOROUGH MA 01581

(508) 898-9220

REF:

INV:
PO:

DEPT:

FedEx
Express

2 of 2

MPS# 0263 7891 4381 8014

Mstr# 7891 4381 8003

0201

EM BBFA

THU - 11 JAN 10:30A
PRIORITY OVERNIGHT
AHS
01581
MA-US BOS

ORIGIN TO:SWFA (516) 420-8272

WSP USA E & I INC
200 AMERICAN METRO BLVD #119

HAMILTON, NJ 08619
UNITED STATES US

SHIP DATE: 10JAN24
ACTWGT: 27.10 LB
CAD: 6995053/SSFE2460
DIMS: 18x12x15 IN

BILL THIRD PARTY

TO

ALPHA ANALYTICAL
8 WALKUP DR

WESTBOROUGH MA 01581

(508) 898-9220
INV:
PO:
REF:
DEPT:

FedEx
Express

1 of 2

TRK# (0201) 7891 4381 8003

MASTER

EM BBFA

THU - 11 JAN 10:30A
PRIORITY OVERNIGHT

AHS
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MA-US BOS

CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

1.0 INTRODUCTION

Groundwater samples were collected in February 2024 at Mohonk Road Industrial Plant in High Falls, New York, and analyzed by Alpha Analytical located in Mansfield, Massachusetts, and Westborough, Massachusetts. Samples included in this review were analyzed by one or more of the following United States Environmental Protection Agency (USEPA) methods:

- Volatile Organic Compounds (VOCs) by Method 8260D
- VOCs by Method 624.1
- 1,4-Dioxane by Method 8270E-Selected Ion Monitoring (SIM)

Results were reported in the following sample delivery groups (SDGs):

- L2406646
- L2406649
- L2407386

Sample event information included in this chemistry review is presented in the following Tables:

- Table 1 – Summary of Samples and Analytical Methods
- Table 2 – Summary of Analytical Results
- Table 3 – Summary of Qualification Actions

A summary of table notes applicable to Tables 1, 2, and 3 is presented just before Table 1.

Laboratory deliverables included:

- Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

The Category A review included the following evaluations. Data review checklists are provided as Attachment A.

- Lab Report Narrative Review
- Data Package Completeness and COC records (Table 1 verification)
- Sample Preservation and Holding Times
- QC Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike and Matrix Spike Duplicate (MS/MSD) (as applicable)
- Field Duplicates (as applicable)
- Surrogates (as applicable)
- Reporting Limits
- Electronic Data Qualification and Verification

The following laboratory data qualifiers or data review qualifiers are used in the final data presentation:

U = Target analyte is not detected at or above the reporting limit
UJ = Target analyte is not detected, value is estimated
J = Result is estimated

Results are interpreted to be usable as reported by the laboratory or as qualified in the following section.

2.0 POTENTIAL DATA LIMITATIONS

Based on the Category A Review sample data are interpreted to meet the data quality objectives.

VOCs by Method 8260D

- Reporting limits for bromomethane in all samples in SDG L2407386 were qualified estimated (UJ) based on a low recovery in the LCS and LCS/LCSD relative percent difference (RPD) that exceeded project limits. Qualified results are summarized in Table 3 with reason codes LCSL and LCSRPD.
- Reporting limits for bromomethane and trans-1,4-dichloro-2-butene in sample 356023-MW-11B and associated field duplicate 356023-MW-DUP were qualified estimated (UJ) based on low recoveries in the MS/MSD and/or MS/MSD RPD that were outside project limits. Qualified results are listed in Table 3 with reason code MSL and/or MSRPD.
- Reporting limits for non-detect (ND) results in a subset of samples are elevated due to dilutions (5X-100X) required for high concentrations of target compounds.

Reference:

NYSDEC, 2005. "Analytical Services Protocols"; July 2005.

NYSDEC, 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

USEPA, 2014. "Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B and 8260C"; HW-24, Revision 4; USEPA Region II Hazardous Waste Support Section; September 2014.

USEPA, 2010. "Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D"; HW-22, Revision 5; USEPA Region II Hazardous Waste Support Branch; December 2010.

Data Validator: Julie Ricardi

Julie Ricardi

Date: May 30, 2024

Reviewed by: Chris Ricardi, NRCC-EAC

Chris Ricardi

June 25, 2024

Standard Table Notes:

Sample Type (QC Code)

FS – field sample

FD – field duplicate

TB – trip blank

EB – equipment blank

FB – field blank

Matrix

GW – ground water

BW – blank water

TW – tap water

SV – soil vapor

SED - sediment

Units

mg/L – milligrams per liter

ng/L – nanograms per liter

µg/L – micrograms per liter

mg/kg – milligrams per kilogram

µg/kg – micrograms per kilogram

µg/m^3 – micrograms per cubic meter

Qualifiers

U – not detected above quantitation limit

J – estimated quantity

J+ - estimated quantity, biased high

J- - estimated quantity, biased low

R – data unusable

Fraction

T – total

D – dissolved

N – normal

Qualification Reason Codes

BL1 – method blank qualifier

BL2 – field or trip blank qualifier

CCV – continuing calibration verification recovery outside limits

CCV%D – continuing calibration verification percent difference exceeds goal

CCVRRF – continuing calibration relative response factor low

CI – chromatographic interference present

DCPD – dual column percent difference exceeds limit

E – result exceeds calibration range

FD – field duplicate precision goal exceeded

FP – false positive interference

HT – holding time for prep or analysis exceeded

HTG – holding time for prep or analysis grossly exceeded

ICV – initial calibration verification recovery outside limit

ICVRRF – initial calibration verification relative response factor low

ICVRSD – initial calibration verification % relative standard deviation exceeds goal

ISH – internal standard response greater than limit

ISL – internal standard response less than limit

LCSH – laboratory control sample recovery high

LCSL – laboratory control sample recovery low

LCSRPD – laboratory control sample/duplicate relative % difference precision goal exceeded

LD – lab duplicate precision goal exceeded

MSH – matrix spike and/or MS duplicate recovery high

MSL – matrix spike and/or MS duplicate recovery low

MSRPD – matrix spike/duplicate relative % difference precision goal exceeded

N – analyte identification is not certain

PEM – performance evaluation mixture exceeds limit

PM – sample percent moisture exceeds EPA guideline

SD – serial dilution result exceeds percent difference limit

SP – sample preservation/collection does not meet method requirement

SSH – surrogate recovery high

SSL – surrogate recovery low

TD – dissolved concentration exceeds total

TABLE 1 - SUMMARY OF SAMPLES AND ANALYTICAL METHODS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

					Method Class	VOCs	SVOCs	Metals	TDS	TSS	pH
					Lab ID	ALPHA	ALPHA	ALPHA	ALPHA	ALPHA	ALPHA
					Analysis Method	8260D	8270E-SIM	6020B	2540C	2540D	9040C
					Fraction	N	N	T	D	T	T
Lab SDG	**Location**	**Sample ID**	**Media**	**Sample Date**	**Qc Code**	Param_Ct	Param_Ct	Param_Ct	Param_Ct	Param_Ct	Param_Ct
L2406646	EFFLUENT	EFFLUENT	TLS	2/6/2024	FS	45	1	1	1	1	1
L2406646	ERT-1	ERT-1	GW	2/6/2024	FS	45	1	1	1	1	1
L2406646	ERT-1	PERFORMANCE DUPLICATE	GW	2/6/2024	FD	45					
L2406646	INFLUENT	COMBINED INFLUENT	GW	2/6/2024	FS	45	1	1	1	1	1
L2406646	MW-5R	MW-5R	GW	2/6/2024	FS	45	1	1	1	1	1
L2406646	MW-7R	MW-7R	GW	2/6/2024	FS	45	1	1	1	1	1
L2406646	QC	TRIP BLANK_01	BW	2/5/2024	TB	45					
L2406649	QC	TRIP BLANK_02	BW	2/5/2024	TB	76					
L2406649	SVE-19	SVE-19	GW	2/6/2024	FS	76					
L2406649	SVE-21	SVE-21	GW	2/6/2024	FS	76					
L2406649	SVE-22	SVE-22	GW	2/6/2024	FS	76					
L2407386	ERT-1	356023-ERT-1	GW	2/8/2024	FS	76	1				
L2407386	ERT-4	356023-ERT-4	GW	2/7/2024	FS	76	1				
L2407386	MW-11B	356023-MW-11B	GW	2/7/2024	FS	76	1				
L2407386	MW-12B	356023-MW-12B	GW	2/8/2024	FS	76	1				
L2407386	MW-15B	356023-MW-15B	GW	2/7/2024	FS	76	1				
L2407386	MW-4	356023-MW-4	GW	2/7/2024	FS	76	1				
L2407386	MW-5B	356023-MW-5B	GW	2/7/2024	FS	76	1				
L2407386	MW-5R	356023-MW-5R	GW	2/8/2024	FS	76	1				
L2407386	MW-7R	356023-MW-7R	GW	2/8/2024	FS	76	1				
L2407386	MW-11B	356023-MW-DUP	GW	2/7/2024	FD	76	1				
L2407386	QC	TRIP BLANK_03	BW	2/5/2024	TB	76					

Created by: KMS 4/24/2024
Checked by: JAR 5/30/2024

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	EFFLUENT		ERT-1		ERT-1		INFLUENT		MW-5R	
		Lab SDG	L2406646		L2406646		L2406646		L2406646		L2406646	
		Sample Date	2/6/2024		2/6/2024		2/6/2024		2/6/2024		2/6/2024	
		Field Sample ID	EFFLUENT		ERT-1		PERFORMANCE DUPLICATE		COMBINED INFLUENT		MW-5R	
Method		**Qc Code**	FS		FS		FD		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	1,1,1-Trichloroethane	ug/l	4.5		53		52		25		27	
VOCs	N	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	1,1,2-Trichloroethane	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
VOCs	N	1,1-Dichloroethane	ug/l	2.4		7.6		8.1		2.2		2.2	
VOCs	N	1,1-Dichloroethene	ug/l	0.67	J	18		17		7.2		8.2	
VOCs	N	1,2-Dichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
VOCs	N	1,2-Dichloroethane	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
VOCs	N	1,2-Dichloropropane	ug/l	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U
VOCs	N	1,3-Dichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
VOCs	N	1,4-Dichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
VOCs	N	2-Butanone	ug/l	10	U	10	U	10	U	10	U	10	U
VOCs	N	2-Chloroethyl vinyl ether	ug/l	10	U	10	U	10	U	10	U	10	U
VOCs	N	2-Hexanone	ug/l	10	U	10	U	10	U	10	U	10	U
VOCs	N	4-Methyl-2-pentanone	ug/l	10	U	10	U	10	U	10	U	10	U
VOCs	N	Acetone	ug/l	10	U	10	U	10	U	10	U	10	U
VOCs	N	Acrolein	ug/l	8	U	8	U	8	U	8	U	8	U
VOCs	N	Acrylonitrile	ug/l	10	U	10	U	10	U	10	U	10	U
VOCs	N	Benzene	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Bromomethane	ug/l	5	U	5	U	5	U	5	U	5	U
VOCs	N	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
VOCs	N	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Chlorobenzene	ug/l	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U
VOCs	N	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
VOCs	N	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Chloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
VOCs	N	cis-1,2-Dichloroethene	ug/l	1	U	0.36	J	1	U	1	U	1	U
VOCs	N	cis-1,3-Dichloropropene	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
VOCs	N	Dibromochloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Dibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Ethylbenzene	ug/l	1	U	1	U	1	U	1	U	1	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	EFFLUENT		ERT-1		ERT-1		INFLUENT		MW-5R	
		Lab SDG	L2406646		L2406646		L2406646		L2406646		L2406646	
		Sample Date	2/6/2024		2/6/2024		2/6/2024		2/6/2024		2/6/2024	
		Field Sample ID	EFFLUENT		ERT-1		PERFORMANCE DUPLICATE		COMBINED INFLUENT		MW-5R	
Method		**Qc Code**	FS		FS		FD		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	Methylene chloride	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Styrene	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	trans-1,2-Dichloroethene	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
VOCs	N	trans-1,3-Dichloropropene	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
VOCs	N	Trichloroethene	ug/l	0.52	J	5.1		5		2.9		3	
VOCs	N	Trichlorofluoromethane	ug/l	5	U	5	U	5	U	5	U	5	U
VOCs	N	Vinyl acetate	ug/l	10	U	10	U	10	U	10	U	10	U
VOCs	N	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Xylene, o	ug/l	1	U	1	U	1	U	1	U	1	U
VOCs	N	Xylenes (m&p)	ug/l	2	U	2	U	2	U	2	U	2	U
VOCs	N	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U
SVOCs	N	1,4-Dioxane	ng/l	3,720		5,520				2,200		2,290	
Metals	T	Iron	mg/l	0.05	U	0.05	U			0.05	U	0.05	U
IOCs	T	pH (H)	PH UNITS	7.83		7.07				7.26		7.12	
IOCs	T	Total Suspended Solids	mg/l	5	U	5	U			5	U	5	U
IOCs	D	Total Dissolved Solids	mg/l	410		410				400		410	

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	MW-7R		QC	
		Lab SDG	L2406646		L2406646	
		Sample Date	2/6/2024		2/5/2024	
		Field Sample ID	MW-7R		TRIP BLANK_01	
Method		**Qc Code**	FS		TB	
Class	**Fraction**	**Parameter**	**Units**	Result Qualifier	Result	Qualifier
VOCs	N	1,1,1-Trichloroethane	ug/l	71	2	U
VOCs	N	1,1,2,2-Tetrachloroethane	ug/l	1 U	1	U
VOCs	N	1,1,2-Trichloroethane	ug/l	1.5 U	1.5	U
VOCs	N	1,1-Dichloroethane	ug/l	38	1.5	U
VOCs	N	1,1-Dichloroethene	ug/l	10	1	U
VOCs	N	1,2-Dichlorobenzene	ug/l	5 U	5	U
VOCs	N	1,2-Dichloroethane	ug/l	1.5 U	1.5	U
VOCs	N	1,2-Dichloropropane	ug/l	3.5 U	3.5	U
VOCs	N	1,3-Dichlorobenzene	ug/l	5 U	5	U
VOCs	N	1,4-Dichlorobenzene	ug/l	5 U	5	U
VOCs	N	2-Butanone	ug/l	10 U	10	U
VOCs	N	2-Chloroethyl vinyl ether	ug/l	10 U	10	U
VOCs	N	2-Hexanone	ug/l	10 U	10	U
VOCs	N	4-Methyl-2-pentanone	ug/l	10 U	10	U
VOCs	N	Acetone	ug/l	10 U	10	U
VOCs	N	Acrolein	ug/l	8 U	8	U
VOCs	N	Acrylonitrile	ug/l	10 U	10	U
VOCs	N	Benzene	ug/l	1 U	1	U
VOCs	N	Bromodichloromethane	ug/l	1 U	1	U
VOCs	N	Bromoform	ug/l	1 U	1	U
VOCs	N	Bromomethane	ug/l	5 U	5	U
VOCs	N	Carbon disulfide	ug/l	5 U	5	U
VOCs	N	Carbon tetrachloride	ug/l	1 U	1	U
VOCs	N	Chlorobenzene	ug/l	3.5 U	3.5	U
VOCs	N	Chloroethane	ug/l	2 U	2	U
VOCs	N	Chloroform	ug/l	1 U	1	U
VOCs	N	Chloromethane	ug/l	5 U	5	U
VOCs	N	cis-1,2-Dichloroethene	ug/l	1.3	1	U
VOCs	N	cis-1,3-Dichloropropene	ug/l	1.5 U	1.5	U
VOCs	N	Dibromochloromethane	ug/l	1 U	1	U
VOCs	N	Dibromomethane	ug/l	1 U	1	U
VOCs	N	Ethylbenzene	ug/l	1 U	1	U

Created by: KMS 6/5/24
Checked by: JAR 6/25/24

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	MW-7R		QC	
		Lab SDG	L2406646		L2406646	
		Sample Date	2/6/2024		2/5/2024	
		Field Sample ID	MW-7R		TRIP BLANK_01	
Method		**Qc Code**	FS		TB	
Class	**Fraction**	**Parameter** **Units**	Result	Qualifier	Result	Qualifier
VOCs	N	Methylene chloride ug/l	1	U	1	U
VOCs	N	Styrene ug/l	1	U	1	U
VOCs	N	Tetrachloroethene ug/l	1	U	1	U
VOCs	N	Toluene ug/l	1	U	1	U
VOCs	N	trans-1,2-Dichloroethene ug/l	1.5	U	1.5	U
VOCs	N	trans-1,3-Dichloropropene ug/l	1.5	U	1.5	U
VOCs	N	Trichloroethene ug/l	1.6		1	U
VOCs	N	Trichlorofluoromethane ug/l	5	U	5	U
VOCs	N	Vinyl acetate ug/l	10	U	10	U
VOCs	N	Vinyl chloride ug/l	1	U	1	U
VOCs	N	Xylene, o ug/l	1	U	1	U
VOCs	N	Xylenes (m&p) ug/l	2	U	2	U
VOCs	N	Xylenes, Total ug/l	1	U	1	U
SVOCs	N	1,4-Dioxane ng/l	2,760			
Metals	T	Iron mg/l	0.05	U		
IOCs	T	pH (H) PH UNITS	7.22			
IOCs	T	Total Suspended Solids mg/l	5	U		
IOCs	D	Total Dissolved Solids mg/l	400			

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	QC		SVE-19		SVE-21		SVE-22		ERT-1		ERT-4	
		Lab SDG	L2406649		L2406649		L2406649		L2406649		L2407386		L2407386	
		Sample Date	2/5/2024		2/6/2024		2/6/2024		2/6/2024		2/8/2024		2/7/2024	
		Field Sample ID	TRIP BLANK_02		SVE-19		SVE-21		SVE-22		356023-ERT-1		356023-ERT-4	
Method		**Qc Code**	TB		FS		FS		FS		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	1,1,1,2-Tetrachloroethane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,1,1-Trichloroethane	ug/l	2.5	U	12,000		15,000		3,300		47		2,100	
VOCs	N	1,1,2,2-Tetrachloroethane	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	1,1,2-Trichloroethane	ug/l	1.5	U	150	U	150	U	38	U	1.5	U	38	U
VOCs	N	1,1-Dichloroethane	ug/l	2.5	U	170	J	250	U	70		7.1		46	J
VOCs	N	1,1-Dichloroethene	ug/l	0.5	U	3,300		1,100		380		15		210	
VOCs	N	1,1-Dichloropropene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2,3-Trichlorobenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2,3-Trichloropropane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2,4-Trichlorobenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2,4-Trimethylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2-Dibromo-3-chloropropane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2-Dibromoethane	ug/l	2	U	200	U	200	U	50	U	2	U	50	U
VOCs	N	1,2-Dichlorobenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2-Dichloroethane	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	1,2-Dichloroethene (total)	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,2-Dichloropropane	ug/l	1	U	100	U	100	U	25	U	1	U	25	U
VOCs	N	1,3,5-Trimethylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,3-Dichlorobenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,3-Dichloropropane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,3-Dichloropropene (total)	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	1,4-Dichlorobenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	1,4-Dioxane	ug/l	250	U	25,000	U	25,000	U	6,200	U	250	U	6,200	U
VOCs	N	2,2-Dichloropropane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	2-Butanone	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	2-Chlorotoluene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	2-Hexanone	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	4-Chlorotoluene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	4-Ethyltoluene	ug/l	2	U	200	U	200	U	50	U	2	U	50	U
VOCs	N	4-iso-Propyltoluene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	4-Methyl-2-pentanone	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	Acetone	ug/l	5	U	500	U	500	U	120	U	5	U	120	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	QC		SVE-19		SVE-21		SVE-22		ERT-1		ERT-4	
		Lab SDG	L2406649		L2406649		L2406649		L2406649		L2407386		L2407386	
		Sample Date	2/5/2024		2/6/2024		2/6/2024		2/6/2024		2/8/2024		2/7/2024	
		Field Sample ID	TRIP BLANK_02		SVE-19		SVE-21		SVE-22		356023-ERT-1		356023-ERT-4	
Method		**Qc Code**	TB		FS		FS		FS		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	Acrylonitrile	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	Benzene	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	Benzene, 1,2,4,5-tetramethyl	ug/l	2	U	200	U	200	U	50	U	2	U	50	U
VOCs	N	Bromobenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Bromochloromethane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Bromodichloromethane	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	Bromoform	ug/l	2	U	200	U	200	U	50	U	2	U	50	U
VOCs	N	Bromomethane	ug/l	2.5	U	250	U	250	U	62	U	2.5	UJ	62	UJ
VOCs	N	Carbon disulfide	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	Carbon tetrachloride	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	4.5	J
VOCs	N	Chlorobenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Chloroethane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Chloroform	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Chloromethane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	cis-1,2-Dichloroethene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	cis-1,3-Dichloropropene	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	Dibromochloromethane	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	Dibromomethane	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	Dichlorodifluoromethane	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	Diethyl ether	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Ethylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Hexachlorobutadiene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Isopropylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Methyl Tertbutyl Ether	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Methylene chloride	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	n-Butylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Naphthalene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	p-Diethylbenzene	ug/l	2	U	200	U	200	U	50	U	2	U	50	U
VOCs	N	Propylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	sec-Butylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Styrene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	tert-Butylbenzene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	QC		SVE-19		SVE-21		SVE-22		ERT-1		ERT-4	
		Lab SDG	L2406649		L2406649		L2406649		L2406649		L2407386		L2407386	
		Sample Date	2/5/2024		2/6/2024		2/6/2024		2/6/2024		2/8/2024		2/7/2024	
		Field Sample ID	TRIP BLANK_02		SVE-19		SVE-21		SVE-22		356023-ERT-1		356023-ERT-4	
Method		**Qc Code**	TB		FS		FS		FS		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	Tetrachloroethene	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	Toluene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	trans-1,2-Dichloroethene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	trans-1,3-Dichloropropene	ug/l	0.5	U	50	U	50	U	12	U	0.5	U	12	U
VOCs	N	trans-1,4-Dichloro-2-butene	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Trichloroethene	ug/l	0.5	U	300		570		310		5.3		100	
VOCs	N	Trichlorofluoromethane	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Vinyl acetate	ug/l	5	U	500	U	500	U	120	U	5	U	120	U
VOCs	N	Vinyl chloride	ug/l	1	U	100	U	100	U	25	U	1	U	25	U
VOCs	N	Xylene, o	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Xylenes (m&p)	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
VOCs	N	Xylenes, Total	ug/l	2.5	U	250	U	250	U	62	U	2.5	U	62	U
SVOCs	N	1,4-Dioxane	ng/l									5,670		5,800	

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	MW-11B		MW-11B		MW-12B		MW-15B		MW-4		MW-5B	
		Lab SDG	L2407386		L2407386		L2407386		L2407386		L2407386		L2407386	
		Sample Date	2/7/2024		2/7/2024		2/8/2024		2/7/2024		2/7/2024		2/7/2024	
		Field Sample ID	356023-MW-DUP		356023-MW-11B		356023-MW-12B		356023-MW-15B		356023-MW-4		356023-MW-5B	
Method		**Qc Code**	FD		FS		FS		FS		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	1,1,1,2-Tetrachloroethane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,1,1-Trichloroethane	ug/l	0.98	J	0.88	J	2.1	J	12		520		850	
VOCs	N	1,1,2,2-Tetrachloroethane	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	1,1,2-Trichloroethane	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	7.5	U	15	U
VOCs	N	1,1-Dichloroethane	ug/l	2.7		2.6		1.3	J	6.2		22		19	J
VOCs	N	1,1-Dichloroethene	ug/l	5		4.8		1.8		14		79		160	
VOCs	N	1,1-Dichloropropene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,2,3-Trichlorobenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,2,3-Trichloropropane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,2,4-Trichlorobenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,2,4-Trimethylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,2-Dibromo-3-chloropropane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	10	U	20	U
VOCs	N	1,2-Dichlorobenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,2-Dichloroethane	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	1.2	J	5	U
VOCs	N	1,2-Dichloroethene (total)	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	11	J	25	U
VOCs	N	1,2-Dichloropropane	ug/l	1	U	1	U	1	U	1	U	5	U	10	U
VOCs	N	1,3,5-Trimethylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,3-Dichlorobenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,3-Dichloropropane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,3-Dichloropropene (total)	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	1,4-Dichlorobenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	1,4-Dioxane	ug/l	250	U	250	U	250	U	250	U	1,200	U	2,500	U
VOCs	N	2,2-Dichloropropane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	2-Butanone	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	2-Chlorotoluene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	4-Chlorotoluene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	4-Ethyltoluene	ug/l	2	U	2	U	2	U	2	U	10	U	20	U
VOCs	N	4-iso-Propyltoluene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	Acetone	ug/l	5	U	5	U	5	U	5	U	25	U	50	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	MW-11B		MW-11B		MW-12B		MW-15B		MW-4		MW-5B	
		Lab SDG	L2407386		L2407386		L2407386		L2407386		L2407386		L2407386	
		Sample Date	2/7/2024		2/7/2024		2/8/2024		2/7/2024		2/7/2024		2/7/2024	
		Field Sample ID	356023-MW-DUP		356023-MW-11B		356023-MW-12B		356023-MW-15B		356023-MW-4		356023-MW-5B	
Method		**Qc Code**	FD		FS		FS		FS		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	Acrylonitrile	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	Benzene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	Benzene, 1,2,4,5-tetramethyl	ug/l	2	U	2	U	2	U	2	U	10	U	20	U
VOCs	N	Bromobenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Bromochloromethane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Bromodichloromethane	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	Bromoform	ug/l	2	U	2	U	2	U	2	U	10	U	20	U
VOCs	N	Bromomethane	ug/l	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	12	UJ	25	UJ
VOCs	N	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	Carbon tetrachloride	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	3.9	J
VOCs	N	Chlorobenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Chloroethane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Chloroform	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Chloromethane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	cis-1,2-Dichloroethene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	11	J	25	U
VOCs	N	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	Dibromochloromethane	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	Dibromomethane	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	Dichlorodifluoromethane	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	Diethyl ether	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Ethylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Hexachlorobutadiene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Isopropylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Methyl Tertbutyl Ether	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Methylene chloride	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	n-Butylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Naphthalene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	p-Diethylbenzene	ug/l	2	U	2	U	2	U	2	U	10	U	20	U
VOCs	N	Propylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	sec-Butylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Styrene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	tert-Butylbenzene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
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		Location	MW-11B		MW-11B		MW-12B		MW-15B		MW-4		MW-5B	
		Lab SDG	L2407386		L2407386		L2407386		L2407386		L2407386		L2407386	
		Sample Date	2/7/2024		2/7/2024		2/8/2024		2/7/2024		2/7/2024		2/7/2024	
		Field Sample ID	356023-MW-DUP		356023-MW-11B		356023-MW-12B		356023-MW-15B		356023-MW-4		356023-MW-5B	
Method		**Qc Code**	FD		FS		FS		FS		FS		FS	
Class	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	N	Tetrachloroethene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	Toluene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	trans-1,2-Dichloroethene	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	5	U
VOCs	N	trans-1,4-Dichloro-2-butene	ug/l	2.5	UJ	2.5	UJ	2.5	U	2.5	U	12	U	25	U
VOCs	N	Trichloroethene	ug/l	1		0.89		0.64		1.3		290		60	
VOCs	N	Trichlorofluoromethane	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Vinyl acetate	ug/l	5	U	5	U	5	U	5	U	25	U	50	U
VOCs	N	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	5	U	10	U
VOCs	N	Xylene, o	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Xylenes (m&p)	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
VOCs	N	Xylenes, Total	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	12	U	25	U
SVOCs	N	1,4-Dioxane	ng/l	2,980		3,020		548		4,110		3,100		9,620	

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	MW-5R		MW-7R		QC	
		Lab SDG	L2407386		L2407386		L2407386	
		Sample Date	2/8/2024		2/8/2024		2/5/2024	
		Field Sample ID	356023-MW-5R		356023-MW-7R		TRIP BLANK_03	
Method		**Qc Code**	FS		FS		TB	
Class	**Fraction**	**Parameter**	**Units**	Result Qualifier	Result Qualifier		Result Qualifier	
VOCs	N	1,1,1,2-Tetrachloroethane	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,1,1-Trichloroethane	ug/l	26	74		2.5 U	
VOCs	N	1,1,2,2-Tetrachloroethane	ug/l	0.5 U	0.5 U		0.5 U	
VOCs	N	1,1,2-Trichloroethane	ug/l	1.5 U	1.5 U		1.5 U	
VOCs	N	1,1-Dichloroethane	ug/l	2.1 J	42		2.5 U	
VOCs	N	1,1-Dichloroethene	ug/l	7.4	11		0.5 U	
VOCs	N	1,1-Dichloropropene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,2,3-Trichlorobenzene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,2,3-Trichloropropane	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,2,4-Trichlorobenzene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,2,4-Trimethylbenzene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,2-Dibromo-3-chloropropane	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,2-Dibromoethane	ug/l	2 U	2 U		2 U	
VOCs	N	1,2-Dichlorobenzene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,2-Dichloroethane	ug/l	0.5 U	0.5 U		0.5 U	
VOCs	N	1,2-Dichloroethene (total)	ug/l	2.5 U	1.3 J		2.5 U	
VOCs	N	1,2-Dichloropropane	ug/l	1 U	1 U		1 U	
VOCs	N	1,3,5-Trimethylbenzene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,3-Dichlorobenzene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,3-Dichloropropane	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,3-Dichloropropene (total)	ug/l	0.5 U	0.5 U		0.5 U	
VOCs	N	1,4-Dichlorobenzene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	1,4-Dioxane	ug/l	250 U	250 U		250 U	
VOCs	N	2,2-Dichloropropane	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	2-Butanone	ug/l	5 U	5 U		5 U	
VOCs	N	2-Chlorotoluene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	2-Hexanone	ug/l	5 U	5 U		5 U	
VOCs	N	4-Chlorotoluene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	4-Ethyltoluene	ug/l	2 U	2 U		2 U	
VOCs	N	4-iso-Propyltoluene	ug/l	2.5 U	2.5 U		2.5 U	
VOCs	N	4-Methyl-2-pentanone	ug/l	5 U	5 U		5 U	
VOCs	N	Acetone	ug/l	5 U	5 U		5 U	

Created by: KMS 6/5/24
Checked by: JAR 6/25/24

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	MW-5R		MW-7R		QC	
		Lab SDG	L2407386		L2407386		L2407386	
		Sample Date	2/8/2024		2/8/2024		2/5/2024	
		Field Sample ID	356023-MW-5R		356023-MW-7R		TRIP BLANK_03	
Method		**Qc Code**	FS		FS		TB	
Class	**Fraction**	**Parameter**	**Units**	Result Qualifier		Result Qualifier		Result Qualifier
VOCs	N	Acrylonitrile	ug/l	5 U		5 U		5 U
VOCs	N	Benzene	ug/l	0.5 U		0.5 U		0.5 U
VOCs	N	Benzene, 1,2,4,5-tetramethyl	ug/l	2 U		2 U		2 U
VOCs	N	Bromobenzene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Bromochloromethane	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Bromodichloromethane	ug/l	0.5 U		0.5 U		0.5 U
VOCs	N	Bromoform	ug/l	2 U		2 U		2 U
VOCs	N	Bromomethane	ug/l	2.5 UJ		2.5 UJ		2.5 U
VOCs	N	Carbon disulfide	ug/l	5 U		5 U		5 U
VOCs	N	Carbon tetrachloride	ug/l	0.5 U		0.5 U		0.5 U
VOCs	N	Chlorobenzene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Chloroethane	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Chloroform	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Chloromethane	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	cis-1,2-Dichloroethene	ug/l	2.5 U		1.3 J		2.5 U
VOCs	N	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U
VOCs	N	Dibromochloromethane	ug/l	0.5 U		0.5 U		0.5 U
VOCs	N	Dibromomethane	ug/l	5 U		5 U		5 U
VOCs	N	Dichlorodifluoromethane	ug/l	5 U		5 U		5 U
VOCs	N	Diethyl ether	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Ethylbenzene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Hexachlorobutadiene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Isopropylbenzene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Methyl Tertbutyl Ether	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Methylene chloride	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	n-Butylbenzene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Naphthalene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	p-Diethylbenzene	ug/l	2 U		2 U		2 U
VOCs	N	Propylbenzene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	sec-Butylbenzene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	Styrene	ug/l	2.5 U		2.5 U		2.5 U
VOCs	N	tert-Butylbenzene	ug/l	2.5 U		2.5 U		2.5 U

Created by: KMS 6/5/24
Checked by: JAR 6/25/24

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

		Location	MW-5R		MW-7R		QC	
		Lab SDG	L2407386		L2407386		L2407386	
		Sample Date	2/8/2024		2/8/2024		2/5/2024	
		Field Sample ID	356023-MW-5R		356023-MW-7R		TRIP BLANK_03	
Method		**Qc Code**	FS		FS		TB	
Class	**Fraction**	**Parameter**	**Units**	Result Qualifier		Result Qualifier		Result Qualifier
VOCs	N	Tetrachloroethene	ug/l	0.5	U	0.5	U	0.5 U
VOCs	N	Toluene	ug/l	2.5	U	2.5	U	2.5 U
VOCs	N	trans-1,2-Dichloroethene	ug/l	2.5	U	2.5	U	2.5 U
VOCs	N	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5 U
VOCs	N	trans-1,4-Dichloro-2-butene	ug/l	2.5	U	2.5	U	2.5 U
VOCs	N	Trichloroethene	ug/l	3.3		1.6		0.5 U
VOCs	N	Trichlorofluoromethane	ug/l	2.5	U	2.5	U	2.5 U
VOCs	N	Vinyl acetate	ug/l	5	U	5	U	5 U
VOCs	N	Vinyl chloride	ug/l	1	U	1	U	1 U
VOCs	N	Xylene, o	ug/l	2.5	U	2.5	U	2.5 U
VOCs	N	Xylenes (m&p)	ug/l	2.5	U	2.5	U	2.5 U
VOCs	N	Xylenes, Total	ug/l	2.5	U	2.5	U	2.5 U
SVOCs	N	1,4-Dioxane	ng/l	2,240		2,710		

TABLE 3 - SUMMARY OF QUALIFICATION ACTIONS
CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

Lab SDG	Location	Field Sample ID	Lab Sample ID	Analysis Method	Fraction	Parameter	Lab Result	Lab Qual	Final Result	Final Qual	Val Reason Code	Units	Lab ID
L2407386	MW-4	356023-MW-4	L2407386-01	8260D	N	Bromomethane	12	U	12	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	MW-5B	356023-MW-5B	L2407386-02	8260D	N	Bromomethane	25	U	25	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	MW-11B	356023-MW-11B	L2407386-03	8260D	N	Bromomethane	2.5	U	2.5	UJ	LCSL, LCSRPD, MSL, MSRPD	ug/l	ALPHA
L2407386	MW-11B	356023-MW-11B	L2407386-03	8260D	N	trans-1,4-Dichloro-2-butene	2.5	U	2.5	UJ	MSL	ug/l	ALPHA
L2407386	MW-12B	356023-MW-12B	L2407386-04	8260D	N	Bromomethane	2.5	U	2.5	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	MW-15B	356023-MW-15B	L2407386-05	8260D	N	Bromomethane	2.5	U	2.5	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	ERT-4	356023-ERT-4	L2407386-06	8260D	N	Bromomethane	62	U	62	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	ERT-1	356023-ERT-1	L2407386-07	8260D	N	Bromomethane	2.5	U	2.5	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	MW-5R	356023-MW-5R	L2407386-08	8260D	N	Bromomethane	2.5	U	2.5	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	MW-7R	356023-MW-7R	L2407386-09	8260D	N	Bromomethane	2.5	U	2.5	UJ	LCSL, LCSRPD	ug/l	ALPHA
L2407386	MW-11B	356023-MW-DUP	L2407386-10	8260D	N	trans-1,4-Dichloro-2-butene	2.5	U	2.5	UJ	MSL	ug/l	ALPHA
L2407386	MW-11B	356023-MW-DUP	L2407386-10	8260D	N	Bromomethane	2.5	U	2.5	UJ	LCSL, LCSRPD	ug/l	ALPHA

CATEGORY A REVIEW REPORT
FEBRUARY 2024 GROUNDWATER SAMPLING
MOHONK ROAD INDUSTRIAL PLANT
HIGH FALLS, NEW YORK

ATTACHMENT A

VOCs and 1,4-Dioxane

PROJECT CATEGORY A REVIEW RECORD
Project: Mohonk Feb 2024 GW
Method : SW-846 8260C (or specify) 8260D / 624.1 / 8270E-SIM (1,4-Dioxane)
Laboratory: Alpha Analytical **SDG(s):** L2406646, L2406649, L2407386
Date: 5/23/2024
Reviewer: Julie Ricardi
Review Level [X] CATEGORY A

1. ☑ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? L2407386—No problems noted L2406649—No problems noted

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples properly preserved and analyzed within the 14 day holding time? (7 day holding time for unpreserved samples) YES NO (circle one) (See Table 1, USEPA Region 2 SOP HW-24, Rev 4, Sep 2014)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one) VOCs ND; 1,4-Dioxane by 8270E-SIM MB = 62.4 ng/L; all samples >>blank conc; no quals needed

   Are Trip blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Matrix Spike** – Use nominal limits for recovery (water and soil 70-130%) and relative percent difference (RPD) (water RPD ≤20, soil RPD ≤35) based on Region 2 SOP guidance.
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within above QC limits? YES NO NA (circle one)
   Were any recoveries <20%? YES NO NA (circle one) [National Functional Guidelines 2020 [Expanded Lower Acceptance Limit"]
   See attached MS/MSD eval for VOC quals 256023-MW-11B MS/MSD; else okay

5. ☑ **Laboratory Control Sample Results** – Use nominal limits for recovery (water and soil 70-130%) and RPD (water RPD ≤20, soil RPD ≤35) based on Region 2 SOP guidance.

   Were all results within above QC limits? YES NO (circle one)
   See attached LCS summary for VOC eval and quals; else okay

6. ☑ **Surrogate Recovery** – Use nominal limits for recovery (water 80-120%, soil 70-130%) based on Region 2 SOP guidance.

   Were all results within above QC limits? YES NO (circle one)
   Were any results <10%? YES NO NA (circle one) [National Functional Guidelines 2020 [Expanded Lower Acceptance Limit"]

7. ☑ **Field Duplicates** - Region 2 limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO
   L2406646—ERT-1/PERFORMANCE DUPLICATE: All okay
   L2407386—356023-MW-11B/356023-MW-DUP: All okay
   Were all results within Region 2 Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**

Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**

Table 1 (Samples and Analytical Methods)
Table 2 (Analytical Results)
Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

Table 4 (TICs) Did lab report TICs? YES NO (circle one)

Lab Control Sample Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.01

Lab Number: L2406646
Report Date: 02/20/24

70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1884317-3								
Vinyl chloride	80		-		5-195	-		66
Chloroethane	95		-		40-160	-		78
1,1-Dichloroethene	85		-		50-150	-		32
trans-1,2-Dichloroethene	90		-		70-130	-		45
cis-1,2-Dichloroethene	90		-		60-140	-		30
Trichloroethene	85		-		65-135	-		48
1,2-Dichlorobenzene	85		-		65-135	-		57
1,3-Dichlorobenzene	80		-		70-130	-		43
1,4-Dichlorobenzene	80		-		65-135	-		57
p/m-Xylene	82		-		60-140	-		30
o-xylene	80		-		60-140	-		30
Styrene	85		-		60-140	-		30
Acetone	108		-		40-160	-		30
Carbon disulfide	90		-		60-140	-		30
2-Butanone	108		-		60-140	-		30
Vinyl acetate ND in samples; no quals	175	Q	-		60-140	-		30
4-Methyl-2-pentanone	96		-		60-140	-		30
2-Hexanone	98		-		60-140	-		30
Acrolein	110		-		60-140	-		30
Acrylonitrile	105		-		60-140	-		60
Dibromomethane	90		-		70-130	-		30

JAR 5/23/2024

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.01
Lab Number: L2406646
Report Date: 02/20/24

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: WG1883555-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	02/09/24 14:28	121,2540D	CVN
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1884098-1										
Solids, Total Dissolved	4.0	J	mg/l	10	3.1	1	-	02/12/24 03:38	121,2540C	DEW
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1884100-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	02/12/24 03:37	121,2540C	DEW

Samples >> blank conc; no quals

JAR 5/23/2024

Lab Control Sample Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.01

Lab Number: L2406649
Report Date: 02/13/24

70-130; RPD 20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1884170-3 WG1884170-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	130		130		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		99		70-130	0		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	97		99		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	99		98		70-130	1		20
1,2,3-Trichloropropane	82		82		64-130	0		20
Acrylonitrile	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	87		87		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	93		97		63-138	4		20
Vinyl acetate No quals; sample ND	140	Q	140	Q	70-130	0		20
4-Methyl-2-pentanone	83		84		59-130	1		20
2-Hexanone	80		78		57-130	3		20

All else okay

JAR 5/23/2024

Lab Control Sample Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.****

Lab Number: L2407386
Report Date: 02/16/24

70-130; RPD 20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1884620-3 WG1884620-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	95		100		70-130	5		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	92		100		70-130	8		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		120		75-130	9		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	94		100		70-130	6		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		110		67-130	12		20
trans-1,3-Dichloropropene	95		100		70-130	5		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	96		110		54-136	14		20
1,1,2,2-Tetrachloroethane	87		100		67-130	14		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	98		100		64-130	2		20
Bromomethane UJ all samples; LCSL, LCSRPD	65		81		39-139	22	Q	20

JAR 5/23/2024

Lab Control Sample Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.****

Lab Number: L2407386
Report Date: 02/16/24

70-130; RPD 20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1884620-3 WG1884620-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	97		98		61-145	1		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	110		120		70-130	9		20
1,3-Dichlorobenzene	120		130		70-130	8		20
1,4-Dichlorobenzene	120		130		70-130	8		20
Methyl tert butyl ether	89		100		63-130	12		20
p/m-Xylene	115		120		70-130	4		20
o-Xylene	115		120		70-130	4		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	92		100		70-130	8		20
1,2,3-Trichloropropane	91		100		64-130	9		20
Acrylonitrile No quals; samples ND and %R okay	87		110		70-130	**23**	Q	20
Styrene	110		115		70-130	4		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	77		77		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone No quals; samples ND and %R okay	77		100		63-138	**26**	Q	20
Vinyl acetate No quals; samples ND	**200**	Q	**230**	Q	70-130	14		20
4-Methyl-2-pentanone	79		97		59-130	20		20
2-Hexanone	76		92		57-130	19		20

JAR 5/23/2024

Lab Control Sample Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.****

Lab Number: L2407386
Report Date: 02/16/24

70-130; RPD 20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1884620-3 WG1884620-4								
Bromochloromethane	110		120		70-130	9		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	93		100		70-130	7		20
1,3-Dichloropropane	97		110		70-130	13		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	110		120		70-130	9		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	110		120		70-130	9		20
tert-Butylbenzene	120		120		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	82		95		41-144	15		20
Hexachlorobutadiene	94		100		63-130	6		20
Isopropylbenzene	120		120		70-130	0		20
p-Isopropyltoluene	120		120		70-130	0		20
Naphthalene No quals; samples ND, %R okay	70		93		70-130	28	Q	20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	82		99		70-130	19		20
1,2,4-Trichlorobenzene	90		100		70-130	11		20
1,3,5-Trimethylbenzene	110		120		64-130	9		20
1,2,4-Trimethylbenzene	110		120		70-130	9		20
1,4-Dioxane No quals; samples ND, %R okay	84		106		56-162	23	Q	20
p-Diethylbenzene	110		120		70-130	9		20

JAR 5/23/2024

Matrix Spike Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.****

Lab Number: L2407386
Report Date: 02/16/24

70-130; RPD 20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1884620-6 WG1884620-7 QC Sample: L2407386-03 Client ID: 356023-MW-11B												
Methylene chloride	ND	10	10	100		11	110		70-130	10		20
1,1-Dichloroethane	2.6	10	14	114		14	114		70-130	0		20
Chloroform	ND	10	10	100		11	110		70-130	10		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	10	100		9.8	98		70-130	2		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	11	110		11	110		75-130	0		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	0.88J	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	10	100		11	110		67-130	10		20
trans-1,3-Dichloropropene	ND	10	9.8	98		9.7	97		70-130	1		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloropropene	ND	10	11	110		11	110		70-130	0		20
Bromoform	ND	10	10	100		10	100		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	9.6	96		9.5	95		67-130	1		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	11	110		10	100		70-130	10		20
Ethylbenzene	ND	10	11	110		10	100		70-130	10		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane UJ MW-11B; MSL, MSRPD also UJ associated FD MW-DUP	ND	10	4.3	43		5.8	58		39-139	30	Q	20

JAR 5/30/2024

Matrix Spike Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.****

Lab Number: L2407386
Report Date: 02/16/24

70-130; RPD 20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1884620-6 WG1884620-7 QC Sample: L2407386-03 Client ID: 356023-MW-11B												
Vinyl chloride	ND	10	11	110		12	120		55-140	9		20
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	4.8	10	15	102		15	102		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Trichloroethene	0.89	10	11	101		11	101		70-130	0		20
1,2-Dichlorobenzene	ND	10	12	120		12	120		70-130	0		20
1,3-Dichlorobenzene	ND	10	12	120		12	120		70-130	0		20
1,4-Dichlorobenzene	ND	10	12	120		12	120		70-130	0		20
Methyl tert butyl ether	ND	10	9.9	99		10	100		63-130	1		20
p/m-Xylene	ND	20	23	115		23	115		70-130	0		20
o-Xylene	ND	20	24	120		23	115		70-130	4		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Dibromomethane	ND	10	10	100		9.9	99		70-130	1		20
1,2,3-Trichloropropane	ND	10	9.6	96		9.4	94		64-130	2		20
Acrylonitrile	ND	10	10	100		11	110		70-130	10		20
Styrene	ND	20	23	115		22	110		70-130	4		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	9.6	96		9.7	97		58-148	1		20
Carbon disulfide	ND	10	11	110		11	110		51-130	0		20
2-Butanone	ND	10	10	100		9.9	99		63-138	1		20
Vinyl acetate No quals; sample ND	ND	10	23	**230**	Q	24	**240**	Q	70-130	4		20
4-Methyl-2-pentanone	ND	10	9.5	95		9.3	93		59-130	2		20
2-Hexanone	ND	10	9.2	92		9.2	92		57-130	0		20

JAR 5/23/2024

Matrix Spike Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.****

Lab Number: L2407386
Report Date: 02/16/24

70-130; RPD 20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1884620-6 WG1884620-7 QC Sample: L2407386-03 Client ID: 356023-MW-11B												
p-Ethyltoluene	ND	10	11	110		11	110		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	9.6	96		9.6	96		70-130	0		20
Ethyl ether	ND	10	9.9	99		9.9	99		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	6.8	68	Q	6.0	60	Q	70-130	13		20

UJ; MSL
MW-11B and associated FD MW-DUP
ALL OTHER TARGET COMPOUNDS OKAY

JAR 5/23/2024

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		105		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	105		105		70-130
Toluene-d8	101		101		70-130

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.****

Lab Number: L2407386
Report Date: 02/16/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 02/14/24 07:22
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 02/12/24 11:42

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01-10 Batch: WG1884200-1					
1,4-Dioxane	Samples >> Blank conc; no quals 62.4	J	ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

JAR 5/23/2024

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2415703
Date: 8/16/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted?
   Yes, see backup
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Trip blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)

   Were all results were within Region II control limits? YES NO (circle one)

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)

   Were all results within Region II limits? YES NO (circle one)

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2415703
Date: 8/16/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? Yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha; L2415703
Date: 8/24/24
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method :2540C, TSS, pH
Laboratory and SDG(s): Alpha
Date: 8/16/24
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

ANALYTICAL REPORT

Lab Number:	L2415703
Client:	WSP 10 Lake Center Drive Suite 205 Marlton, NJ 08053
ATTN:	Nicole Bonsteel
Phone:	(609) 475-2479
Project Name:	MOHONK ROAD INDUSTRIAL PLANT
Project Number:	7772210116.03.01
Report Date:	03/29/24

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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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2415703
Project Number:	7772210116.03.01	**Report Date:**	03/29/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2415703
Project Number:	7772210116.03.01	**Report Date:**	03/29/24

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.

Volatile Organics by Method 624

The WG1900496-3 LCS recovery, associated with L2415703-01 through -03, is above the acceptance criteria for vinyl acetate (248%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

samples ND, no contamination, no quals

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: Cristin Walker

Title: Technical Director/Representative Date: 03/29/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2415703

Project Number: 7772210116.03.01 **Report Date:** 03/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 03/23/24 10:35
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1900496-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	0.33	J	ug/l	1.0	0.23

All samples ND for this parameter, no quals

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	85		60-140
Fluorobenzene	100		60-140
4-Bromofluorobenzene	96		60-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2415703

Report Date: 03/29/24

Limits: 70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1900496-3								
Vinyl chloride	90		-		5-195	-		66
Chloroethane	120		-		40-160	-		78
1,1-Dichloroethene	100		-		50-150	-		32
trans-1,2-Dichloroethene	100		-		70-130	-		45
cis-1,2-Dichloroethene	95		-		60-140	-		30
Trichloroethene	100		-		65-135	-		48
1,2-Dichlorobenzene	95		-		65-135	-		57
1,3-Dichlorobenzene	90		-		70-130	-		43
1,4-Dichlorobenzene	85		-		65-135	-		57
p/m-Xylene	95		-		60-140	-		30
o-xylene	95		-		60-140	-		30
Styrene	95		-		60-140	-		30
Acetone	130		-		40-160	-		30
Carbon disulfide	105		-		60-140	-		30
2-Butanone	134		-		60-140	-		30
Vinyl acetate	**248**	Q	-		60-140	-		30
4-Methyl-2-pentanone	114		-		60-140	-		30
2-Hexanone	118		-		60-140	-		30
Acrolein	125		-		60-140	-		30
Acrylonitrile	122		-		60-140	-		60
Dibromomethane	110		-		70-130	-		30

all sample results ND for this parameter, no quals

jar 8/15/2024

CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/22/24

ALPHA Job #: L2418703

Client Information

Client: WSP USA
Address: 10 Lake Center Drive, Suite 206
Marlton, NJ 08053
Phone: 609-475-2479
Fax:
Email: Nicole.Bonsteel@wsp.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Mohonk Road Industrial Plant
Project Location: 186 Mohonk Road
Project #: 7772210116.03.01
Project Manager: Nicole Bonsteel
ALPHA Quote #: C012508052

Turn-Around Time

☑ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:
Category A deliverable, Equis EZ

Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ 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	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH	Sample Specific Comments	TOTAL # BOTTLES
15703 01	Effluent	3/21/24	1515	GW	IM	☒	☒	☒	☒	☒	☒		
02	MW-7R	3/21/24	1455	GW	IM	☒	☒	☒	☒	☒	☒		
03	Trip Blank	Lab	Lab	DI	Lab	☒	☐	☐	☐	☐	☐		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

Relinquished By:	Date/Time	Received By:	Date/Time
Ryan Constantine	3/21/24 1750	CJ Jelveau AAL	3/22/24 1010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

FedEx

Do not lift using this tag.

ORIGIN ID:GMVA (609) 414-5662
WSP USA E & I INC
200 AMERICAN METRO BLVD #113
HAMILTON, NJ 08619
UNITED STATES US

SHIP DATE: 21MAR24
ACTWGT: 34.80 LB
CAD: 6998593/SSFE2500
DIMS: 16x9x15 IN
BILL THIRD PARTY

Part # 156297-[illegible] REV [illegible] EXP 10/24

TO **ALPHA ANALYTICAL**

8 WALKUP DRIVE

WESTBOROUGH MA 01581

(508) 898-9220 REF:
INV:
PO: DEPT:

FedEx Express

TRK# 0201 **2724 7233 0819**

FRI - 22 MAR 10:30A
PRIORITY OVERNIGHT

EM BBFA

DSR
01581
MA-US **BOS**

10:10 AM

Serial_No:03292417:37

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2419827
Date: 7/19/24
Reviewer: T. Sultan
Review Level [X] CATEGORY A

1. ☑ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? No
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)
   Are Trip blanks free of contamination? YES NO (circle one)
   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO
   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
   Were all results were within Region II control limits? YES NO (circle one) see backup, LCSL, UJ/J-

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
   Were all results within Region II limits? YES NO (circle one)

7. ☑ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO
   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)
    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2419827
Date: 7/19/24
Reviewer: T. Sultan
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? Yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha
Date: 7/19/24
Reviewer: T. Sultan

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha
Date: 7/19/24
Reviewer: T. Sultan

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

ANALYTICAL REPORT

Lab Number:	L2419827
Client:	WSP 10 Lake Center Drive Suite 205 Marlton, NJ 08053
ATTN:	Nicole Bonsteel
Phone:	(609) 475-2479
Project Name:	MOHONK ROAD INDUSTRIAL PLANT
Project Number:	7772210116.03.01
Report Date:	04/19/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2419827
Project Number:	7772210116.03.01	**Report Date:**	04/19/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2419827
Project Number:	7772210116.03.01	**Report Date:**	04/19/24

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.

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: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 04/19/24

Lab Control Sample Analysis

Batch Quality Control

Limits 70-130

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2419827

Report Date: 04/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1908554-3								
Methylene chloride	95		-		60-140	-		28
1,1-Dichloroethane	85		-		50-150	-		49
Chloroform	85		-		70-135	-		54
Carbon tetrachloride	110		-		70-130	-		41
1,2-Dichloropropane	90		-		35-165	-		55
Dibromochloromethane	105		-		70-135	-		50
1,1,2-Trichloroethane	100		-		70-130	-		45
2-Chloroethylvinyl ether	75		-		1-225	-		71
Tetrachloroethene	105		-		70-130	-		39
Chlorobenzene	100		-		65-135	-		53
Trichlorofluoromethane	100		-		50-150	-		84
1,2-Dichloroethane	90		-		70-130	-		49
1,1,1-Trichloroethane	110		-		70-130	-		36
Bromodichloromethane	100		-		65-135	-		56
trans-1,3-Dichloropropene	95		-		50-150	-		86
cis-1,3-Dichloropropene	95		-		25-175	-		58
Bromoform	105		-		70-130	-		42
1,1,2,2-Tetrachloroethane	100		-		60-140	-		61
Benzene	100		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	110		-		60-140	-		63
Chloromethane	80		-		1-205	-		60
Bromomethane	50		-		15-185	-		61

UJ/J-, LCSL

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2419827
Project Number: 7772210116.03.01
Report Date: 04/19/24

SAMPLE RESULTS

Lab ID: L2419827-01
Client ID: EFFLUENT
Sample Location: 186 MOHONK ROAD

Date Collected: 04/10/24 12:40
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/18/24 15:23
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 04/17/24 20:50

Limits: 70-130

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	7310		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

UJ/J-, SSL

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2419827
Project Number: 7772210116.03.01
Report Date: 04/19/24

SAMPLE RESULTS

Lab ID: L2419827-02
Client ID: MW-7R
Sample Location: 186 MOHONK ROAD

Date Collected: 04/10/24 12:10
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/18/24 15:45
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 04/17/24 20:50

Limits: 70-130

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	5800		ng/l	163	36.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		15-110

UJ/J-, SSL

Matrix Spike Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.01

Lab Number: L2419827
Report Date: 04/19/24

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): 01-02 QC Batch ID: WG1908006-3 QC Sample: L2419966-01 Client ID: MS Sample												
Iron, Total	30.4	1	28.3	0	Q	-	-		75-125	-		20

no quals, not our sample

CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/11/24 ALPHA Job #: L2419827

Client Information

Client: WSP USA
Address: 10 Lake Center Drive, Suite 206
Marlton, NJ 08053
Phone: 609-475-2479
Fax:
Email: Nicole.Bonsteel@wsp.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Mohonk Road Industrial Plant
Project Location: 186 Mohonk Road
Project #: 7772210116.03.01
Project Manager: Nicole Bonsteel
ALPHA Quote #: C012508052

Turn-Around Time

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:
Category A deliverable, Equis EZ

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH							
19827-01	Effluent	4/10	12:40	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	3
[redacted]						☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	3
-02	MW-7R	4/10	12:10	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
[redacted]						☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	3
	Trip Blank		--	DI	PG	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Liedtke	4/10/24 12:30	FedEx	4/11/24 10:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FedEx

L2419827

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Recipient's Name *Please print*	Phone Number ( )
Company	Dept./Floor/Suite/Room
Street Address *We cannot deliver to P.O. boxes or P.O. ZIP*	

ORIGIN ID:BVM (631) 231-3289
WSP USA E & I INC
200 AMERICAN METRO BLVD #113
HAMILTON, NJ 08619
UNITED STATES US

1 10.30 F

369
368

TO ALPHA LABORATORY
8 WALKUP DRIVE
WESTBOROUGH MA 01581
(000) 000-0000
INV:
PO:

10:15 AM

FedEx Express

TRK# 0201 2732 6637 2340

THU - 11 APR 10:30A
PRIORITY OVERNIGHT

EM BBFA

01581
MA-US BOS

Serial_No:04192412:42

L2419827

ORIGIN ID:SRWA (704) 875-9092
SAMPLE RECEIVING
PACE ANALYTICAL SERVICES
9800 KINCEY AVE. SUITE 100

HUNTERSVILLE, NC 28078
UNITED STATES US

SHIP DATE: 10APR24
ACTWGT: 5.95 LB
CAD: 0863711/CAFE3755

BILL SENDER

TO

ALPHA ANALYTICAL
8 WALKUP DRIVE

WESTBORO MA 01581
(508) 822-9300
DEPT: SR

10:15 AM

FedEx Express

THU - 11 APR 10:30A
PRIORITY OVERNIGHT

TRK# 0201 6824 8098 1518

NE BBFA

01581
MA-US BOS

Serial_No:04192412:42

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2425849
Date: 7/30/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? No
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)
   Are Trip blanks free of contamination? YES NO (circle one)
   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO
   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
   Were all results were within Region II control limits? YES NO (circle one)

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
   Were all results within Region II limits? YES NO (circle one) see backup, SSL, UJ/J-

7. ☑ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO
   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)
    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2425849
Date: 7/30/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? Yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha
Date: 7/30/24
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha
Date: 7/30/24
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one) see backup, no quals

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

ANALYTICAL REPORT

Lab Number:	L2425849
Client:	WSP 10 Lake Center Drive Suite 205 Marlton, NJ 08053
ATTN:	Nicole Bonsteel
Phone:	(609) 475-2479
Project Name:	MOHONK ROAD INDUSTRIAL PLANT
Project Number:	7772210116.03.01
Report Date:	05/17/24

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Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2425849

Project Number: 7772210116.03.01 **Report Date:** 05/17/24

SAMPLE RESULTS

Lab ID: L2425849-01
Client ID: EFFLUENT
Sample Location: 186 MOHONK ROAD

Date Collected: 05/09/24 16:40
Date Received: 05/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 05/11/24 17:35
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	5.1		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	7.2		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	0.59	J	ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2425849

Project Number: 7772210116.03.01 **Report Date:** 05/17/24

SAMPLE RESULTS

Lab ID: L2425849-01 Date Collected: 05/09/24 16:40

Client ID: EFFLUENT Date Received: 05/10/24

Sample Location: 186 MOHONK ROAD Field Prep: Not Specified

Sample Depth:

Limits: 80-120

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.48	J	ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	91		60-140
Fluorobenzene	75	UJ/J-	60-140
4-Bromofluorobenzene	94		60-140

TML 7/31/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2425849

Project Number: 7772210116.03.01 **Report Date:** 05/17/24

SAMPLE RESULTS

Lab ID: L2425849-02
Client ID: ERT-1
Sample Location: 186 MOHONK ROAD

Date Collected: 05/09/24 15:15
Date Received: 05/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 05/11/24 18:09
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	4.6		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	52		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	10		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2425849

Project Number: 7772210116.03.01 **Report Date:** 05/17/24

SAMPLE RESULTS

Lab ID: L2425849-02 Date Collected: 05/09/24 15:15

Client ID: ERT-1 Date Received: 05/10/24

Sample Location: 186 MOHONK ROAD Field Prep: Not Specified

Sample Depth:

Limits: 80-120

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.2		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		60-140
Fluorobenzene	60	UJ/J-	60-140
4-Bromofluorobenzene	94		60-140

TML 7/31/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2425849

Project Number: 7772210116.03.01 **Report Date:** 05/17/24

SAMPLE RESULTS

Lab ID: L2425849-03
Client ID: MW-7R
Sample Location: 186 MOHONK ROAD

Date Collected: 05/09/24 15:45
Date Received: 05/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 05/11/24 18:44
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	24		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	98		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	13		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	0.81	J	ug/l	1.0	0.17	1

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2425849

Project Number: 7772210116.03.01 **Report Date:** 05/17/24

SAMPLE RESULTS

Lab ID: L2425849-03 Date Collected: 05/09/24 15:45

Client ID: MW-7R Date Received: 05/10/24

Sample Location: 186 MOHONK ROAD Field Prep: Not Specified

Sample Depth:

Limits: 80-120

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.4		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	92		60-140
Fluorobenzene	78	UJ/J-	60-140
4-Bromofluorobenzene	96		60-140

TML 7/31/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2425849

Project Number: 7772210116.03.01 **Report Date:** 05/17/24

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): 01-04 Batch: WG1920094-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	05/12/24 11:36	121,2540D	BAY
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1921591-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	05/15/24 17:21	121,2540C	REM
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1922137-1										
Solids, Total Dissolved	6.0	J	mg/l	10	3.1	1	-	05/16/24 17:57	121,2540C	REM

all samples>>blank conc; no qualifications made

TML 7/31/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; 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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
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, 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.

CHAIN OF CUSTODY

PAGE OF

Date Rec'd in Lab: 5/10/24 ALPHA Job #: L2425849

ALPHA ANALYTICAL
Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information

Project Name: Mohonk Road Industrial Plant
Project Location: 186 Mohonk Road
Project #: 7772210116.03.01
Project Manager: Nicole Bonsteel
ALPHA Quote #: C012508052

Turn-Around Time

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Client Information

Client: WSP USA
Address: 10 Lake Center Drive, Suite 206
Marlton, NJ 08053
Phone: 609-475-2479
Fax:
Email: Nicole.Bonsteel@wsp.com
☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:
Category A deliverable, Equis EZ

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH						
2584901	Effluent	5/4/24	1640	GW	EM	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐
-02	ERT-1	5/9/24	1515	GW	MF	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐
	~~MW-6R~~	~~5/9/24~~				☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐
-03	MW-7R	5/9/24	1545	GW	MF	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐
-04	Combined Influent	5/9/24	1645	GW	MF	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐
-05	Trip Blank	Lab	Lab	Lab	Lab	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
Peter Golaszewski	05/07/24 16:15	PAS	5/10/24 1015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO. 01-01(C) (rev. 5-JAN-12)

L2425849



Serial_No:05172414:51

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2433191
Date: 8/13/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? Yes, see backup

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Trip blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)

   Were all results were within Region II control limits? YES NO (circle one) see backup, LCSH J+

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)

   Were all results within Region II limits? YES NO (circle one)

7. ☑ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2433191
Date: 8/12/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? Yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha
Date: 8/12/24
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha
Date: 8/12/24
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

ANALYTICAL REPORT

Lab Number:	L2433191
Client:	WSP 10 Lake Center Drive Suite 205 Marlton, NJ 08053
ATTN:	Nicole Bonsteel
Phone:	(609) 475-2479
Project Name:	MOHONK ROAD INDUSTRIAL PLANT
Project Number:	7772210116.03.01
Report Date:	06/20/24

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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), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2433191
Project Number:	7772210116.03.01	**Report Date:**	06/20/24

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.

Volatile Organics by Method 624

The WG1935384-3 LCS recovery, associated with L2433191-01 through -05, is above the acceptance criteria for 4-methyl-2-pentanone (150%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

no quals

TML 7/31/24

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: Cristin Walker

Title: Technical Director/Representative Date: 06/20/24

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2433191

Report Date: 06/20/24

Limit: 70-130

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: WG1935384-3								
Methylene chloride	100		-		60-140	-		28
1,1-Dichloroethane	95		-		50-150	-		49
Chloroform	95		-		70-135	-		54
Carbon tetrachloride	90		-		70-130	-		41
1,2-Dichloropropane	100		-		35-165	-		55
Dibromochloromethane	130		-		70-135	-		50
1,1,2-Trichloroethane	95		-		70-130	-		45
2-Chloroethylvinyl ether	165		-		1-225	-		71
Tetrachloroethene	130		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	95		-		50-150	-		84
1,2-Dichloroethane	95		-		70-130	-		49
1,1,1-Trichloroethane	100		-		70-130	-		36
Bromodichloromethane	130		-		65-135	-		56
trans-1,3-Dichloropropene	85		-		50-150	-		86
cis-1,3-Dichloropropene	135		-		25-175	-		58
Bromoform	85		-		70-130	-		42
1,1,2,2-Tetrachloroethane	95		-		60-140	-		61
Benzene	95		-		65-135	-		61
Toluene	85		-		70-130	-		41
Ethylbenzene	85		-		60-140	-		63
Chloromethane	90		-		1-205	-		60
Bromomethane	75		-		15-185	-		61

all samples ND, no quals

all samples ND, no quals

TML 7/31/24

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2433191

Report Date: 06/20/24

Limit: 70-130

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: WG1935384-3								
Vinyl chloride	115		-		5-195	-		66
Chloroethane	110		-		40-160	-		78
1,1-Dichloroethene	120		-		50-150	-		32
trans-1,2-Dichloroethene	100		-		70-130	-		45
cis-1,2-Dichloroethene	95		-		60-140	-		30
Trichloroethene	95		-		65-135	-		48
1,2-Dichlorobenzene	85		-		65-135	-		57
1,3-Dichlorobenzene	85		-		70-130	-		43
1,4-Dichlorobenzene	90		-		65-135	-		57
p/m-Xylene	80		-		60-140	-		30
o-xylene	80		-		60-140	-		30
Styrene	80		-		60-140	-		30
Acetone all samples ND, no quals	144		-		40-160	-		30
Carbon disulfide	95		-		60-140	-		30
2-Butanone	130		-		60-140	-		30
Vinyl acetate all samples ND, no quals	132		-		60-140	-		30
4-Methyl-2-pentanone all samples ND, no quals	**150**	Q	-		60-140	-		30
2-Hexanone	114		-		60-140	-		30
Acrolein	118		-		60-140	-		30
Acrylonitrile	115		-		60-140	-		60
Dibromomethane	100		-		70-130	-		30

TML 7/31/24

Project Name:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2433191
Project Number:	7772210116.03.01	**Report Date:**	06/20/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2433191
Project Number:	7772210116.03.01	**Report Date:**	06/20/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2433191
Project Number:	7772210116.03.01	**Report Date:**	06/20/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2433191
Project Number:	7772210116.03.01	**Report Date:**	06/20/24

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.

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; 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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
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, 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.

CHAIN OF CUSTODY

PAGE OF

Date Rec'd in Lab: 06/13/24

ALPHA Job #: L2433191

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: Mohonk Road Industrial Plant

Project Location: 186 Mohonk Road

Project #: 7772210116.03.01

Project Manager: Nicole Bonsteel

ALPHA Quote #: C012508052

Client Information

Client: WSP USA

Address: 10 Lake Center Drive, Suite 206

Marlton, NJ 08053

Phone: 609-475-2479

Fax:

Email: Nicole.Bonsteel@wsp.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information — Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYSDEC	

Other Project Specific Requirements/Comments/Detection Limits:
Category A deliverable, Equis EZ

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ 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	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH							Sample Specific Comments	TOTAL # BOTTLES
33191-01	Effluent	6/11/24	14:55	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
~~DUPLICATE-02~~	~~ERT-1~~					☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-02	MW-5R	6/11/24	~~14:55~~ 14:30	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-03	MW-7R	6/12/24	14:00	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-04	Combined Influent	6/11/24	14:45	GW	RO	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-05	Trip Blank	Lab	Lab	NI	Lab	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
Ryan Ungsten	6/14/24 1706	PAS	6/13/24 1005

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

Serial_No:06202419:23



ORIGIN ID:GMVA (609) 414-5662

WSP USA E & I INC
2000 LENOX DR

LAWRENCEVILLE, NJ 08648
UNITED STATES US

SHIP DATE: 12JUN24
ACTWGT: 68.00 LB
CAD: 6998593/SSFE2521
DIMS: 23x13x14 IN

BILL THIRD PARTY

Part # 156297-435 RRDW2 EXP 01/25

TO ALPHA ANALYTICAL

8 WALKUP DR

WESTBOROUGH MA 01581

10:05 AM

(508) 898-9220

INV:
PO:

REF:

DEPT:

FedEx
Express

THU - 13 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 2758 4571 0814

EM BBFA

01581
MA-US BOS

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2438899
Date: 7/31/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? Yes, see backup
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one) see backup, BL1 and BL2
   Are Trip blanks free of contamination? YES NO (circle one)
   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO
   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
   Were all results were within Region II control limits? YES NO (circle one) see backup

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
   Were all results within Region II limits? YES NO (circle one) see backup

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO
   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2438899
Date: 7/31/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? Yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha
Date: 7/31/24
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha
Date: 7/31/24
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

Project Name:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2438899
Project Number:	7772210116.03.01	**Report Date:**	07/19/24

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.

Volatile Organics by Method 624

The WG1946975-3 LCS recoveries, associated with L2438899-01, -02, and -03, are above the acceptance criteria for 2-butanone (184%), vinyl acetate (172%), 2-hexanone (158%), and acrylonitrile (152%); however, the associated samples are non-detect to the RL for these target analytes. The results of the original analysis are reported.

associated samples ND, no quals

TML 7/31/24

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: Cristin Walker

Title: Technical Director/Representative Date: 07/19/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2438899

Project Number: 7772210116.03.01 **Report Date:** 07/19/24

SAMPLE RESULTS

Lab ID: L2438899-03
Client ID: TRIP BLANK
Sample Location: 186 MOHONK ROAD

Date Collected: 07/09/24 00:00
Date Received: 07/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 07/12/24 17:57
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2438899

Project Number: 7772210116.03.01 **Report Date:** 07/19/24

SAMPLE RESULTS

Lab ID: L2438899-03 Date Collected: 07/09/24 00:00

Client ID: TRIP BLANK Date Received: 07/11/24

Sample Location: 186 MOHONK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	0.27	J	ug/l	1.0	0.23	1

below RL, U/J BL2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		60-140
Fluorobenzene	103		60-140
4-Bromofluorobenzene	82		60-140

TML 7/31/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2438899

Project Number: 7772210116.03.01 **Report Date:** 07/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 07/12/24 11:30
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1946975-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2438899

Project Number: 7772210116.03.01 **Report Date:** 07/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 07/12/24 11:30
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1946975-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	0.27	J	ug/l	1.0	0.23

below RL, U/J BL1

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	83		60-140

TML 7/31/24

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2438899

Report Date: 07/19/24

Limit: 70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1946975-3								
Methylene chloride	100		-		60-140	-		28
1,1-Dichloroethane	105		-		50-150	-		49
Chloroform	100		-		70-135	-		54
Carbon tetrachloride	105		-		70-130	-		41
1,2-Dichloropropane	110		-		35-165	-		55
Dibromochloromethane	95		-		70-135	-		50
1,1,2-Trichloroethane	100		-		70-130	-		45
2-Chloroethylvinyl ether	105		-		1-225	-		71
Tetrachloroethene	105		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	105		-		50-150	-		84
1,2-Dichloroethane	105		-		70-130	-		49
1,1,1-Trichloroethane	100		-		70-130	-		36
Bromodichloromethane	95		-		65-135	-		56
trans-1,3-Dichloropropene	95		-		50-150	-		86
cis-1,3-Dichloropropene	100		-		25-175	-		58
Bromoform	75		-		70-130	-		42
1,1,2,2-Tetrachloroethane	90		-		60-140	-		61
Benzene	105		-		65-135	-		61
Toluene	105		-		70-130	-		41
Ethylbenzene	90		-		60-140	-		63
Chloromethane	110		-		1-205	-		60
Bromomethane	50	UJ/J- LCSL	-		15-185	-		61

TML 7/31/24

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2438899

Report Date: 07/19/24

Limit: 70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1946975-3								
Vinyl chloride	105		-		5-195	-		66
Chloroethane	125		-		40-160	-		78
1,1-Dichloroethene	105		-		50-150	-		32
trans-1,2-Dichloroethene	100		-		70-130	-		45
cis-1,2-Dichloroethene	105		-		60-140	-		30
Trichloroethene	105		-		65-135	-		48
1,2-Dichlorobenzene	80		-		65-135	-		57
1,3-Dichlorobenzene	85		-		70-130	-		43
1,4-Dichlorobenzene	85		-		65-135	-		57
p/m-Xylene	88		-		60-140	-		30
o-xylene	85		-		60-140	-		30
Styrene	80		-		60-140	-		30
Acetone J+ LCSH	148		-		40-160	-		30
Carbon disulfide	95		-		60-140	-		30
2-Butanone J+ LCSH	**184**	Q	-		60-140	-		30
Vinyl acetate J+ LCSH	**172**	Q	-		60-140	-		30
4-Methyl-2-pentanone	128		-		60-140	-		30
2-Hexanone J+ LCSH	**158**	Q	-		60-140	-		30
Acrolein	102		-		60-140	-		30
Acrylonitrile J+ LCSH	**152**	Q	-		60-140	-		60
Dibromomethane	100		-		70-130	-		30

TML 7/31/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2438899

Project Number: 7772210116.03.01 **Report Date:** 07/19/24

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): 01-02 Batch: WG1946474-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	07/12/24 22:13	121,2540D	REM
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1946861-1										
Solids, Total Dissolved	9.0	J	mg/l	10	3.1	1	-	07/15/24 03:02	121,2540C	DEW

Sample > 2x blank, no quals

TML 7/31/24

Project Name:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2438899
Project Number:	7772210116.03.01	**Report Date:**	07/19/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2438899
Project Number:	7772210116.03.01	**Report Date:**	07/19/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2438899
Project Number:	7772210116.03.01	**Report Date:**	07/19/24

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:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2438899
Project Number:	7772210116.03.01	**Report Date:**	07/19/24

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.

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; 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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
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, 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.

Serial_No:07192416:34

L2438899 18JUL24
GOLDER – NJ

CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL
World Class Chemistry

Date Rec'd in Lab: 7/11/24

Report Information Data Deliverables
☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits
State/Fed Program: NYSDEC
Criteria:

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information
Project Name: Mohonk Road Industrial Plant
Project Location: 186 Mohonk Road
Project #: 7772210116.03.01
Project Manager: Nicole Bonsteel
ALPHA Quote #: C012508052

Client Information
Client: WSP USA
Address: 10 Lake Center Drive, Suite 206
Marlton, NJ 08053
Phone: 609-475-2479
Fax:
Email: Nicole.Bonsteel@wsp.com
☐ These samples have been Previously analyzed by Alpha

Turn-Around Time
☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:
Category A deliverable, Equis EZ

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH							Sample Specific Comments
38899-01	Effluent	7/10/24	1410	GW	RO	☒	☒	☒	☒	☒	☒	☐ RO	☐	☐	☐	☐	☐	
	~~ERT-1~~ RO					☒	☒	☒	☒	☒	☒	☐ RO	☐	☐	☐	☐	☐	
	~~MW-5R~~ RO					☒	☒	☒	☒	☒	☒	☐ RO	☐	☐	☐	☐	☐	
-02	MW-7R	7/10/24	1345	GW	RO	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
	~~Combined Influent~~ RO					☒	☒	☒	☒	☒	☒	☐ RO	☐	☐	☐	☐	☐	
-03	Trip Blank	7/9/24	Lab	DI	AE	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Container Type						-	-	-	-	-	-	-	-	-	-	-	-	
Preservative						-	-	-	-	-	-	-	-	-	-	-	-	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Lieblein	7/10/24 1700	FedEx PAS	7/11/24 9:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I)-NJ (rev. 5-JAN-12)

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2445138
Date: 9/20/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? yes
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
   sample date and times for Effluent and MW-7R were corrected upon sample log-in, no quals
   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)
   Are Trip blanks free of contamination? YES NO (circle one)
   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO
   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
   Were all results were within Region II control limits? YES NO (circle one) see backup, LCSL, UJ/J-

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
   Were all results within Region II limits? YES NO (circle one) see backup, SSH

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO
   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2445138
Date: 9/20/24
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one) see backup, no quals
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha L2445138
Date: 9/20/24
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha
Date: 9/20/24
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

Project Name:	MOHONK ROAD INDUSTRIAL PLANT	**Lab Number:**	L2445138
Project Number:	Not Specified	**Report Date:**	08/16/24

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

L2445138-01: The collection date and time on the chain of custody was 8 AUG 24 14:45; however, the collection date/time on the container label was 8 AUG 24 14:30. At the client's request, the collection date/time is reported as 08-AUG-24 14:30.

L2445138-02: The collection date and time on the chain of custody was 8 AUG 24 14:30; however, the collection date/time on the container label was 8 AUG 24 14:45. At the client's request, the collection date/time is reported as 08-AUG-24 14:45.

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 O'Neill

Title: Technical Director/Representative Date: 08/16/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2445138

Project Number: Not Specified **Report Date:** 08/16/24

SAMPLE RESULTS

Lab ID: L2445138-01
Client ID: EFFLUENT
Sample Location: 186 MOHONK ROAD

Date Collected: 08/08/24 14:30
Date Received: 08/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 08/12/24 12:46
Analyst: MKS

Limits: 70-130

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
1,1,1-Trichloroethane	3.9		ug/l	2.0	0.29	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-Xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Methyl tert butyl Ether	ND		ug/l	10	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	80		60-140
Fluorobenzene	75		60-140
4-Bromofluorobenzene	131	J+, SSH no quals for ND	60-140

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2445138

Project Number: Not Specified **Report Date:** 08/16/24

SAMPLE RESULTS

Lab ID: L2445138-02
Client ID: MW-7R
Sample Location: 186 MOHONK ROAD

Date Collected: 08/08/24 14:45
Date Received: 08/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 08/12/24 13:17
Analyst: MKS

Limits: 70-130

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
1,1,1-Trichloroethane	49		ug/l	2.0	0.29	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-Xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Methyl tert butyl Ether	ND		ug/l	10	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	78		60-140
Fluorobenzene	71		60-140
4-Bromofluorobenzene	135	J+, SSH no quals for ND	60-140

TML 9/20/24

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: Not Specified

Lab Number: L2445138

Report Date: 08/16/24

Limits: 70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1958651-3								
Chloroform	105		-		70-135	-		54
Carbon tetrachloride	95		-		70-130	-		41
Tetrachloroethene	115		-		70-130	-		39
1,1,1-Trichloroethane	100		-		70-130	-		36
Benzene	95		-		65-135	-		61
Toluene	120		-		70-130	-		41
Ethylbenzene (potential high bias, all samples ND, no quals)	135		-		60-140	-		63
1,4-Dichlorobenzene	120		-		65-135	-		57
p/m-Xylene	130		-		60-140	-		30
o-Xylene	125		-		60-140	-		30
Methyl tert butyl Ether (UJ/J-, LCSL)	65		-		60-140	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	91				60-140
Fluorobenzene	92				60-140
4-Bromofluorobenzene	123				60-140

TML 9/20/24

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2445138
Project Number: Not Specified
Report Date: 08/16/24

SAMPLE RESULTS

Lab ID: L2445138-01
Client ID: EFFLUENT
Sample Location: 186 MOHONK ROAD

Date Collected: 08/08/24 14:30
Date Received: 08/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/14/24 19:00
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 08/13/24 10:30

Limits:
50-140

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	2930		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

%R outside of project limits, professional judgement no quals due to high results

TML 11/1/2024

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2445138
Project Number: Not Specified
Report Date: 08/16/24

SAMPLE RESULTS

Lab ID: L2445138-02
Client ID: MW-7R
Sample Location: 186 MOHONK ROAD

Date Collected: 08/08/24 14:45
Date Received: 08/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/14/24 19:21
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 08/13/24 10:30

Lab limits: 50-140

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	2600		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

%R outside of project limits, professional judgement no quals due to high results

TML 11/1/2024

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : EPA 624.1
Laboratory: Alpha Analytical **SDG(s):** L2451930
Date: 3/19/2025
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? No

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one) see backup, TB had headspace but second vial was used, no quals

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one) see backup, U @RL, BL1

   Are Trip blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)

   Were all results were within Region II control limits? YES NO (circle one) LCSL, UJ/J-

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)

   Were all results within Region II limits? YES NO (circle one) See backup, J+

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#**L2451930
Date: 3/19/2025
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? YES

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one) all samples J-, SSL
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%) see backup

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha L2451930
Date: 3/19/2025
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : TDS (2540C), TSS (2540D), pH (9040C)
Laboratory and SDG(s): Alpha
Date: 3/19/2025
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

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.

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: Cristen Walker Report Date: 09/26/24

Title: Technical Director/Representative

CHAIN OF CUSTODY

PAGE OF

Date Rec'd in Lab: 9/11/2024 | ALPHA Job #: L2451430

Project Information

Project Name: Mohonk Road Industrial Plant

Project Location: 166 Mohonk Road

Project #: 7772210116.03.01

Project Manager: Nicole Bonsteel

ALPHA Quote #: C012508052

Turn-Around Time

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: NYSDEC

Criteria:

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: WSP USA

Address: 10 Lake Center Drive, Suite 206

Marlton, NJ 08053

Phone: 609-475-2479

Fax:

Email: Nicole.Bonsteel@wsp.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Category A deliverable, Equis EZ

ANALYSIS

SAMPLE HANDLING

Filtration: ☐ Done ☐ Not Needed ☐ Lab to do

Preservation: ☐ Lab to do (Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH							
51936-01	Effluent	9/10/24	1600	GW	ML	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
-02	ERT-1	9/10/24	1605	GW	ML	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
-03	MW-5R	9/10/24	1610	GW	ML	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	1610
-04	MW-7R	9/10/24	1615	GW	ML	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
-05	Combined Influent	9/10/24	1620	GW	ML	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
-06	Trip Blank	9/7/24	-	GW	ML	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	-	-	-	-	-	-	-	-	-	-	-	-		
Preservative	-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/24 16:00	Fed EX	
		PAS	9/11/24 10:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Sample Delivery Group Summary

Alpha Job Number : L2451930

Received : 11-SEP-2024
Reviewer : Owen Jefferson

Account Name : WSP
Project Number : 7772210116.03.01
Project Name : MOHONK ROAD INDUSTRIAL PLANT

Delivery Information

Samples Delivered By : Express Ship
FedEx (279346001852)

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.3	

Condition Information

1) All samples on COC received?	**YES**	
2) Extra samples received?	**NO**	
3) Are there any sample container discrepancies?	**NO**	
4) Are there any discrepancies between COC & sample labels?	**NO**	
5) Are samples in appropriate containers for requested analysis?	**YES**	
6) Are samples properly preserved for requested analysis? Following containers were received with headspace: -06B	**NO**	-06A was analyzed, no quals
7) Are samples within holding time for requested analysis?	**YES**	
8) All sampling equipment returned?	**NA**	

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: WSP	**Lab Number**	: L2451930
Project Name	: MOHONK ROAD INDUSTRIAL PLANT	**Project Number**	: 7772210116.03.01
Lab ID	: WG1971379-4	**Date Collected**	: NA
Client ID	: WG1971379-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/12/24 09:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 128,624.1	**Analyst**	: GMT
Lab File ID	: V13240912A03	**Instrument ID**	: VOA113
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

			ug/L			
CAS NO.	**Parameter**		**Results**	**RL**	**MDL**	**Qualifier**
75-35-4	1,1-Dichloroethene		ND	1.0	0.31	U
156-60-5	trans-1,2-Dichloroethene		ND	1.5	0.33	U
156-59-2	cis-1,2-Dichloroethene		ND	1.0	0.17	U
79-01-6	Trichloroethene		ND	1.0	0.33	U
95-50-1	1,2-Dichlorobenzene		ND	5.0	0.28	U
541-73-1	1,3-Dichlorobenzene		ND	5.0	0.27	U
106-46-7	1,4-Dichlorobenzene		ND	5.0	0.29	U
179601-23-1	p/m-Xylene		ND	2.0	0.30	U
95-47-6	o-xylene		ND	1.0	0.34	U
1330-20-7	Xylenes, Total		ND	1.0	0.30	U
100-42-5	Styrene		ND	1.0	0.37	U
67-64-1	Acetone		ND	10	2.4	U
75-15-0	Carbon disulfide		ND	5.0	0.28	U
78-93-3	2-Butanone		ND	10	1.0	U
108-05-4	Vinyl acetate		ND	10	0.41	U
108-10-1	4-Methyl-2-pentanone		ND	10	0.19	U
591-78-6	2-Hexanone		ND	10	0.55	U
107-02-8	Acrolein		ND	8.0	1.8	U
107-13-1	Acrylonitrile		ND	10	0.33	U
74-95-3	Dibromomethane	results below RL, qualified at RL with U BL1	0.27	1.0	0.23	J

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2451930

Report Date: 09/26/24

Type text here LIMITS: 70-130

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: WG1971396-3								
Methylene chloride	90		-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	95		-		70-135	-		54
Carbon tetrachloride	95		-		70-130	-		41
1,2-Dichloropropane	90		-		35-165	-		55
Dibromochloromethane	90		-		70-135	-		50
1,1,2-Trichloroethane	95		-		70-130	-		45
2-Chloroethylvinyl ether	60	LCSL, UJ/J-	-		1-225	-		71
Tetrachloroethene	100		-		70-130	-		39
Chlorobenzene	100		-		65-135	-		53
Trichlorofluoromethane	90		-		50-150	-		84
1,2-Dichloroethane	90		-		70-130	-		49
1,1,1-Trichloroethane	95		-		70-130	-		36
Bromodichloromethane	95		-		65-135	-		56
trans-1,3-Dichloropropene	90		-		50-150	-		86
cis-1,3-Dichloropropene	95		-		25-175	-		58
Bromoform	90		-		70-130	-		42
1,1,2,2-Tetrachloroethane	90		-		60-140	-		61
Benzene	95		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	120		-		60-140	-		63
Chloromethane	90		-		1-205	-		60
Bromomethane	90		-		15-185	-		61

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2451930

Project Number: 7772210116.03.01 **Report Date:** 09/26/24

SAMPLE RESULTS

Lab ID: L2451930-05 Date Collected: 09/10/24 16:20

Client ID: COMBINED INFLUENT Date Received: 09/11/24

Sample Location: 186 MOHONK ROAD Field Prep: Not Specified

LIMITS: 80-120

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	4.8		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	0.26	J	ug/l	1.0	0.23	1

Surrogate		% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene		100		60-140
Fluorobenzene	samples ND, no quals sample results, J+, SSH	122		60-140
4-Bromofluorobenzene		101		60-140

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2451930
Project Number: 7772210116.03.01
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2451930-01
Client ID: EFFLUENT
Sample Location: 186 MOHONK ROAD

Date Collected: 09/10/24 16:00
Date Received: 09/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/13/24 15:03
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 09/12/24 15:15

LIMITS: 50-140

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	3390		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	38		15-110

SSL, J-

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2451930
Project Number: 7772210116.03.01
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2451930-02
Client ID: ERT-1
Sample Location: 186 MOHONK ROAD

Date Collected: 09/10/24 16:05
Date Received: 09/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/16/24 11:26
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 09/12/24 15:15

Limits: 50-140

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	6410		ng/l	139	31.4	1

Surrogate		% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	SSL, J-	48		15-110

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2451930
Project Number: 7772210116.03.01
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2451930-03
Client ID: MW-5R
Sample Location: 186 MOHONK ROAD

Date Collected: 09/10/24 16:10
Date Received: 09/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/16/24 11:49
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 09/12/24 15:15

Limits: 50-140

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	4310		ng/l	139	31.4	1

Surrogate		% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	SSL, J-	40		15-110

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2451930
Project Number: 7772210116.03.01
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2451930-04
Client ID: MW-7R
Sample Location: 186 MOHONK ROAD

Date Collected: 09/10/24 16:15
Date Received: 09/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/16/24 12:12
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 09/12/24 15:15

Limits: 50-140

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	2770		ng/l	139	31.4	1

Surrogate		% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	SSL, J-	44		15-110

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Lab Number: L2451930
Project Number: 7772210116.03.01
Report Date: 09/26/24

SAMPLE RESULTS

Lab ID: L2451930-05
Client ID: COMBINED INFLUENT
Sample Location: 186 MOHONK ROAD

Date Collected: 09/10/24 16:20
Date Received: 09/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/16/24 12:35
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 09/12/24 15:15

Limits: 50-140

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	3690		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

SSL, J-

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2458801
Date: 2/6/25
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? yes, see backup
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)
   Are Trip blanks free of contamination? YES NO (circle one)
   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO
   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
   Were all results were within Region II control limits? YES NO (circle one)

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
   Were all results within Region II limits? YES NO (circle one) see backup, no quals

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO
   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2458801
Date: 2/6/25
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one) see backup

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? No, see backup

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

X:\US\USPWM100-PLD2\Project\Projects\NYSDEC\Mohonk SM-RSO\4.0 Invest_Remed\4.6 Site_Data\D. Lab Data\Validation\Validation in Progress\NYSDEC_CAT A_Review_Checklist_SVOC.doc

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha L2458801
Date: 2/6/25
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha L2458801
Date: 2/6/25
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/10/24

ALPHA Job #: L2458801

Client Information

Client: WSP USA
Address: 10 Lake Center Drive, Suite 206
Marlton, NJ 08053
Phone: 609-475-2479
Fax:
Email: Nicole.Bonsteel@wsp.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Mohonk Road Industrial Plant
Project Location: 186 Mohonk Road
Project #: 7772210116.03.01
Project Manager: Nicole Bonsteel
ALPHA Quote #: CO12508052

Turn-Around Time

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: NYSDEC
Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

for EDD = Equis-MOD9

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH							Sample Specific Comments
58801 - 01	Effluent	10/9	10:05	GW	PC	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
- 02	ERT-1	10/9	9:25	GW	PC	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
- 03	MW-5R	10/9	9:40	GW	PC	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
- 04	MW-7R	10/9	9:15	GW	PC	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
- 05	Combined Influent	10/9	9:55	GW	PC	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	
- 06	Trip Blank	Lab	Lab	Lab	Lab	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Container Type		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Preservative		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Relinquished By:	Date/Time	Received By:	Date/Time
Peter Golaszewski	10/09/24 12:27	PAS	10/10/24 1000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

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

L2458801-04: The collection date and time on the chain of custody was 09-OCT-24 09:15; however, the collection date/time on the container label was 09-OCT-24 09:10. At the client's request, the collection date/time is reported as 09-OCT-24 09:15. okay

L2458801-05: One of the containers for 1,4-Dioxane-SIM was received broken; however, there was adequate sample remaining to perform the requested analysis. okay

L2458801-05: One of the containers for Volatile Organics - EPA 624.1 was received broken; however, there was adequate sample remaining to perform the requested analysis. okay

Volatile Organics by Method 624

L2458801-06: The surrogate recovery is above the acceptance criteria for pentafluorobenzene (141%). Since the sample was non-detect for all associated target analytes, re-analysis was not required. okay

1,4-Dioxane by 8270-SIM

L2458801-02: The surrogate recovery was outside the acceptance criteria for 1,4-dioxane-d8 (2%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported. original results refuse flagged re-extraction result, J, HT

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 Report Date: 10/24/24

Title: Technical Director/Representative

Lab Control Sample Analysis

Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT

Project Number: 7772210116.03.01

Lab Number: L2458801

Report Date: 10/24/24

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: WG1983884-3								
Vinyl chloride	70		-		5-195	-		66
Chloroethane	95		-		40-160	-		78
1,1-Dichloroethene	90		-		50-150	-		32
trans-1,2-Dichloroethene	90		-		70-130	-		45
cis-1,2-Dichloroethene	110		-		60-140	-		30
Trichloroethene	110		-		65-135	-		48
1,2-Dichlorobenzene	95		-		65-135	-		57
1,3-Dichlorobenzene	100		-		70-130	-		43
1,4-Dichlorobenzene	100		-		65-135	-		57
p/m-Xylene	95		-		60-140	-		30
o-xylene	95		-		60-140	-		30
Styrene	95		-		60-140	-		30
Acetone	62	LCSL, UJ/J-	-		40-160	-		30
Carbon disulfide	80		-		60-140	-		30
2-Butanone	106		-		60-140	-		30
Vinyl acetate	100		-		60-140	-		30
4-Methyl-2-pentanone	96		-		60-140	-		30
2-Hexanone	100		-		60-140	-		30
Acrolein	80		-		60-140	-		30
Acrylonitrile	95		-		60-140	-		60
Dibromomethane	105		-		70-130	-		30

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2458801

Project Number: 7772210116.03.01 **Report Date:** 10/24/24

SAMPLE RESULTS

Lab ID: L2458801-06 Date Collected: 10/09/24 00:00

Client ID: TRIP BLANK Date Received: 10/10/24

Sample Location: 186 MOHONK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate		% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	samples ND, no quals	141	Q	60-140
Fluorobenzene		119		60-140
4-Bromofluorobenzene		124		60-140

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.01
Lab Number: L2458801
Report Date: 10/24/24

SAMPLE RESULTS

Lab ID: L2458801-02 RE
Client ID: ERT-1
Sample Location: 186 MOHONK ROAD

Date Collected: 10/09/24 09:25
Date Received: 10/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/18/24 13:19
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 10/17/24 18:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	4930		ng/l	150	33.9	1

Surrogate	J, HT	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8		48		15-110

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2466370
Date: 2/6/25
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? No

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one) see backup

   Are Trip blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)

   Were all results were within Region II control limits? YES NO (circle one)

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)

   Were all results within Region II limits? YES NO (circle one)

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2466370
Date: 2/6/25
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days? yes

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 6020B
Laboratory and SDG(s): Alpha L2466370
Date: 2/6/25
Reviewer: T. LePage

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : 2540C, TSS, pH
Laboratory and SDG(s): Alpha L2466370
Date: 2/6/25
Reviewer: T. LePage

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

L2466370 20NOV24
GOLDER – NJ

CHAIN OF CUSTODY

PAGE OF

Date Rec'd in Lab: 11/13/24

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: WSP USA
Address: 10 Lake Center Drive, Suite 206
Marlton, NJ 08053
Phone: 609-475-2479
Fax:
Email: Nicole.Bonsteel@wsp.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Mohonk Road Industrial Plant
Project Location: 186 Mohonk Road
Project #: 7772210116.03.01
Project Manager: Nicole Bonsteel
ALPHA Quote #: C012508052

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Report Information Data Deliverable

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program: NYSDEC
Criteria:

Other Project Specific Requirements/Comments/Detection Limits:
Category A deliverable, [redacted]
EDD = EQUIS MOD 9

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done ☐ Not Needed ☐ 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	VOCs 624	1,4-Dioxane 8270 SIM	Iron	TDS	TSS	pH							Sample Specific Comments	TOTAL # BOTTLES
66370-01	Effluent	11/13/24	1040	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-02	ERT-1	11/13/24	1055	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-03	MW-5R	11/13/24	1050	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-04	MW-7R	11/13/24	1045	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-05	Combined Influent	11/13/24	1100	GW	PG	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	☐		
-06	Trip Blank	11/13/24	Lab	DI	Lab	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Container Type						-	-	-	-	-	-	-	-	-	-	-	-		
Preservative						-	-	-	-	-	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible] Pre	11/13/24 - 1131	[illegible]	11/13/24 1131
[illegible] NTSL	11/13/24 1530	NTSL	11/13/24 1530
		[illegible]	11/13/24 1620

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I-NJ) (rev. 5-JAN-12)

11/13/24 1235 11/13/24 1235

Project Name: MOHONK ROAD INDUSTRIAL PLANT **Lab Number:** L2466370

Project Number: 7772210116.03.01 **Report Date:** 11/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 11/14/24 11:15
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1998071-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	0.32	J	ug/l	1.0	0.23

detected in all samples below RL, results reported at RL

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	108		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	101		60-140

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8260C
Laboratory: Alpha Analytical **SDG(s):** L2472585
Date: 2/24/25
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ ☐ Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted?
   Yes, see backup no quals

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ ☐ **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. ☑ ☐ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Trip blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within the Region II limits? YES NO NA (circle one)

5. ☑ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)

   Were all results were within Region II control limits? YES NO (circle one)

6. ☑ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)

   Were all results within Region II limits? YES NO (circle one)

7. ☑ ☐ **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were all results within Region II Limits? YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ ☐ **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. ☑ ☐ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

    Table 4 (TICs) Did lab report TICs? YES NO (circle one)

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method : SW-846 8270D
Laboratory and SDG(s): Alpha **SDG#** L2472585
Date: 2/24/25
Reviewer: T. LePage
Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all water samples extracted within the 7 day holding time, and/or soil within 14 days?

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one) see backup, LCSH, J+

5. ☑ **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%)

7. ☑ **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. ☑ **Electronic Data Review and Edits**: Does the EDD match the Form Is? YES NO (circle one)

10. ☑ **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method :_____
Laboratory and SDG(s): Alpha
Date:_____
Reviewer:_____

Review Level [X] CATEGORY A

1. ☑ **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. ☑ **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits:** Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Mohonk OMM
Method :_____
Laboratory and SDG(s): Alpha
Date:_____
Reviewer:_____

Review Level [X] Category A Review

1. ☑ **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. ☑ **Holding time and Sample Collection**

   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. ☑ **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. ☑ **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. ☑ **Matrix Spike** (Lab Limits)

   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. ☑ **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

8. ☑ **Electronic Data Review and Edits**

   Does the EDD match the Form Is? YES NO (circle one)

9. ☑ **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)

Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

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

L2472585-02 and -04: Headspace was noted in the sample containers submitted for Volatile Organics. The analysis was cancelled at the client's request.

okay

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: Kelley Wolf Report Date: 12/18/24

Title: Technical Director/Representative

Lab Control Sample Analysis
Batch Quality Control

Project Name: MOHONK ROAD INDUSTRIAL PLANT
Project Number: 7772210116.03.01

Lab Number: L2472585
Report Date: 12/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 01-05		Batch: WG2008883-2		WG2008883-3			
1,4-Dioxane	134		140		40-140	4		30

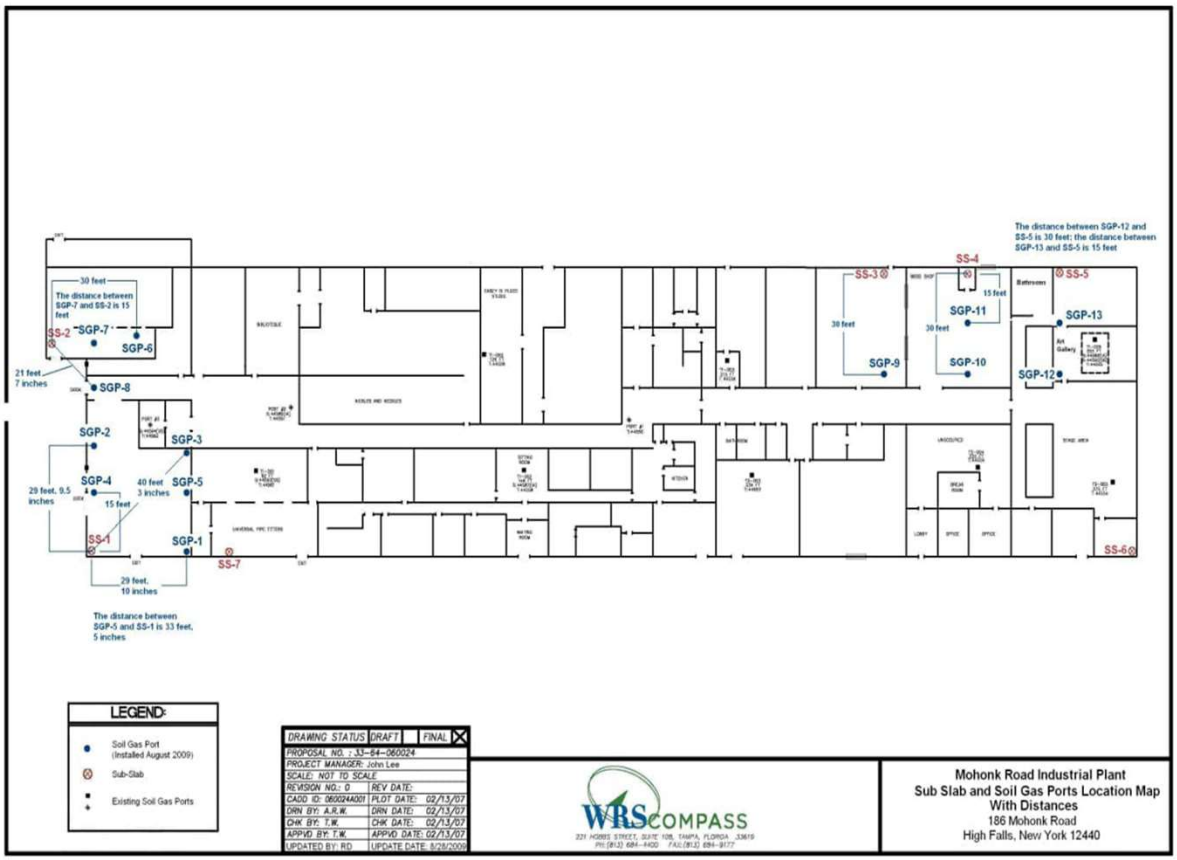
LCSH, J+

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	36		32		15-110

APPENDIX G

2024 SSDS Annual Inspection and Photo Log

MOHONK ROAD INDUSTRIAL PLANT SITE NO. 356023
2024 Annual SSDS Inspection Photo Log



Created By: Isaac Moser

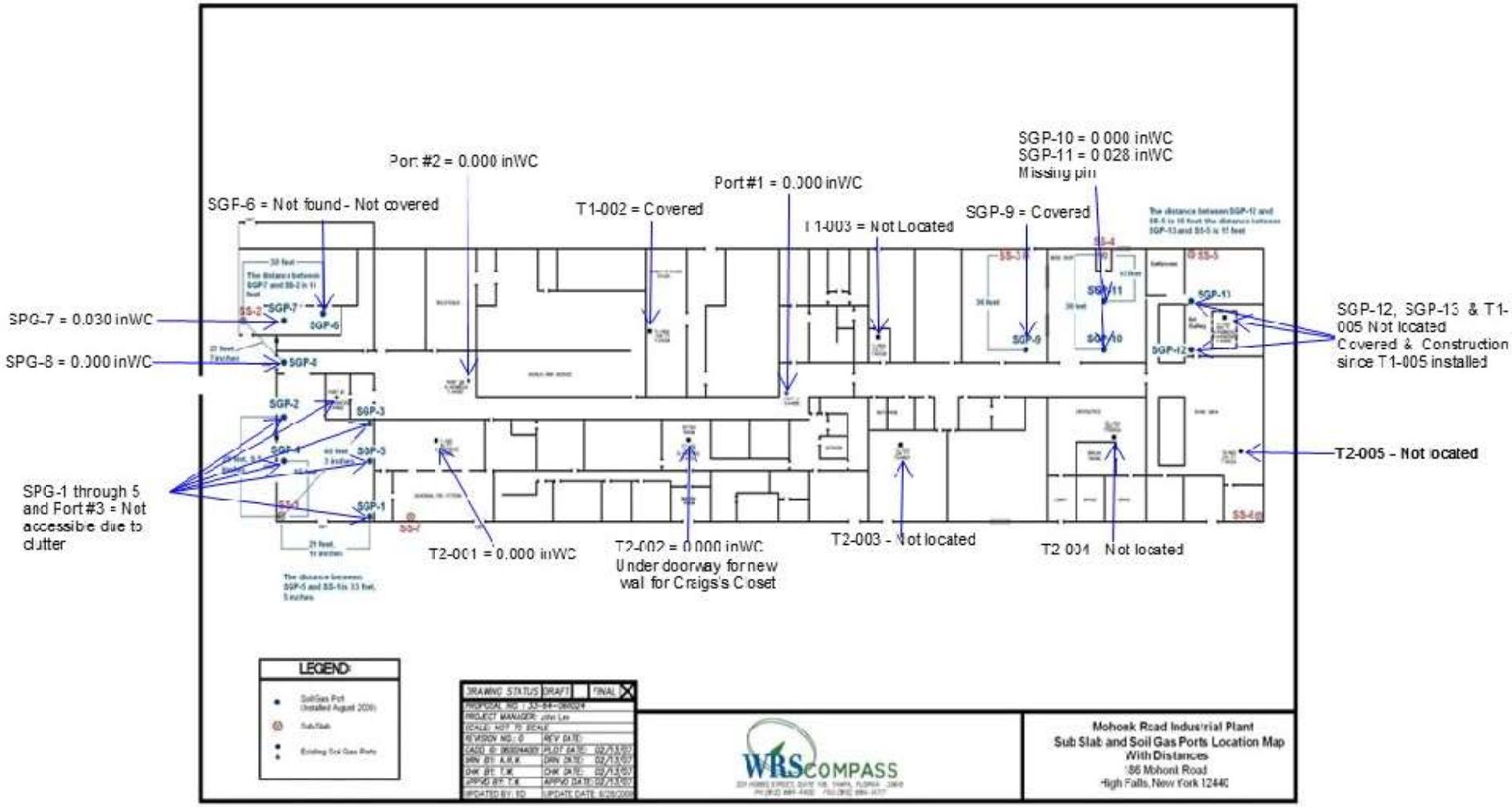
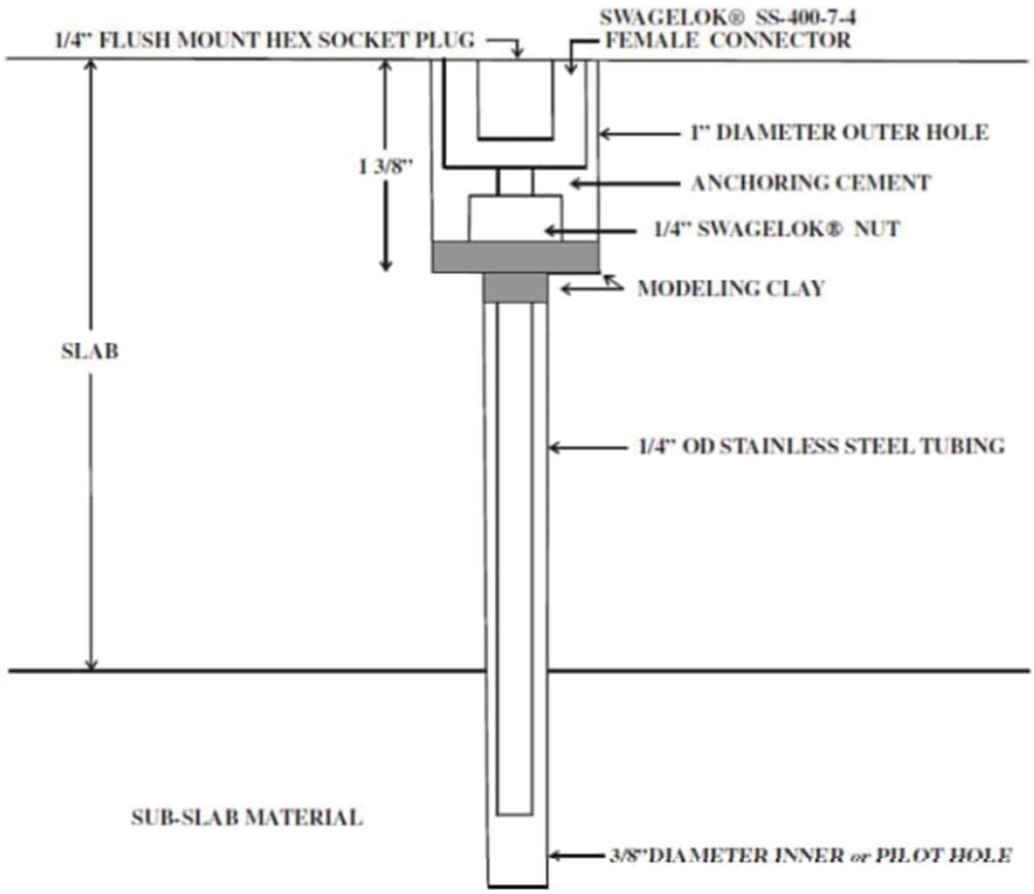

Port #2 = 0.000 inWC
SGP-6 = Not found - Not covered
T1-002 = Covered
Port #1 = 0.000 inWC
T1-003 = Not Located
SGP-9 = Covered
SGP-10 = 0.000 inWC
SGP-11 = 0.028 inWC
Missing pin
SPG-7 = 0.030 inWC
SPG-8 = 0.000 inWC
SGP-12, SGP-13 & T1-005 Not located Covered & Construction since T1-005 installed
T2-005 - Not located
SPG-1 through 5 and Port #3 = Not accessible due to clutter
T2-001 = 0.000 inWC
T2-002 = 0.000 inWC Under doorway for new wal for Craigs Coset
T2-003 - Not located
T2 004 - Not located
LEGEND
DRAWING STATUS DRAFT FINAL
WRS COMPASS
Mohawk Road Industrial Plant
Sub Slab and Soil Gas Ports Location Map With Distances
186 Mohont Road
High Falls, New York 12440

FIGURE 4

SOIL GAS PROBE INSTALLED



Created By: Isaac Moser

MOHONK ROAD INDUSTRIAL PLANT SITE NO. 356023
SSDS Vapor Point PHOTO LOG

RSO Photos

Photo 1: Diagram of vapor point construction

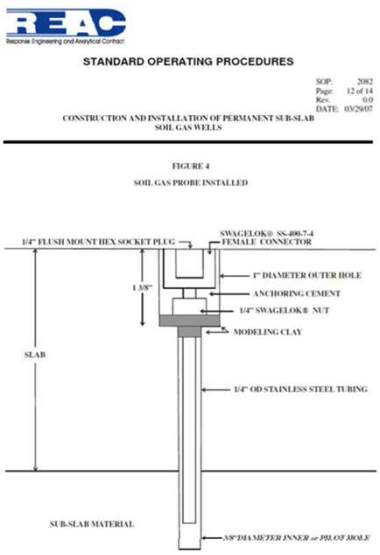


Photo 2: Vapor point for Mohonk SSDS system



Created By: Isaac Moser

Photo 3: DWYER 475-00-FM Monometer used during Vapor point search – 2024 SSDS Annual Inspection

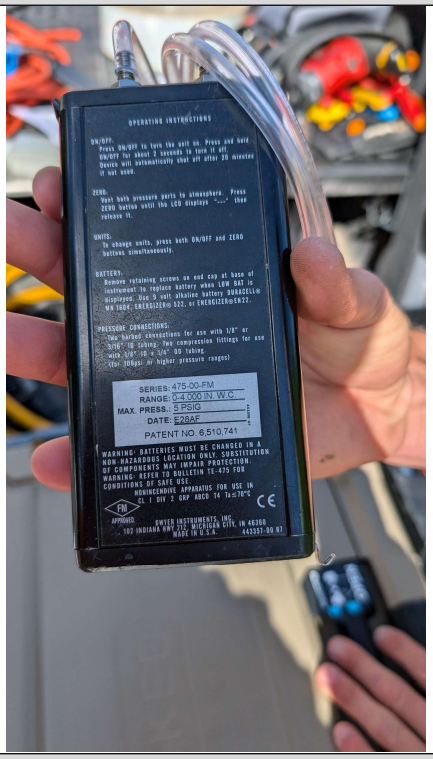
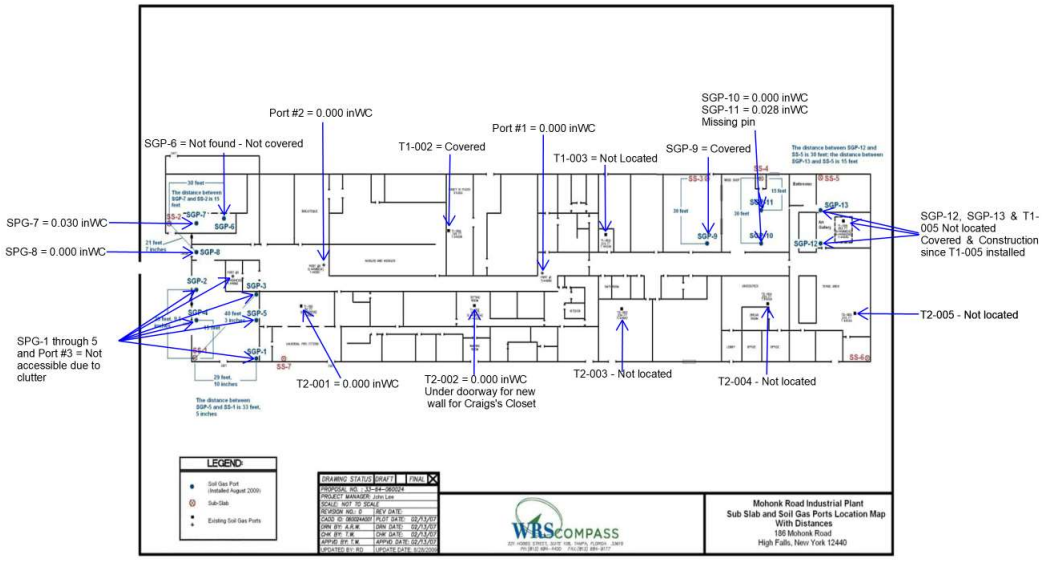


Photo 4: Figure Markup of 24 locations. 8 were successfully located.



Created By: Isaac Moser

Photo 5: SGP-7. West building entrance. Vacuum = 0.030 inWC. Close to SSDS fan #2.



Photo 6: SGP-8. Northern overhead door on west side of the building. Vacuum = 0.000 inWC



Photo 7: Port-2 in main hallway. Vacuum = 0.000 inWC



Photo 8: Port-1 in main hallway. Underneath leather couch. Vacuum = 0.000 inWC



Photo 9: SGP-10. Vacuum = 0.00 inWC.



Photo 10: SGP-11 is damaged. Vacuum = 0.028 inWC



Photo 11: T2-002. In new doorway to Craig's Closet. Vacuum = 0.000 inWC. This is a new wall.



Photo 12: T2-001. Vacuum = 0.000 inWC



Photo 13: Room '"M" where SGP-1, 2, 3, 4, 5 and Port #3 could not be located



Photo 14: SGP-6 could not be located. Not a lot of clutter but looks like a wall may have moved. Expected Location Below.

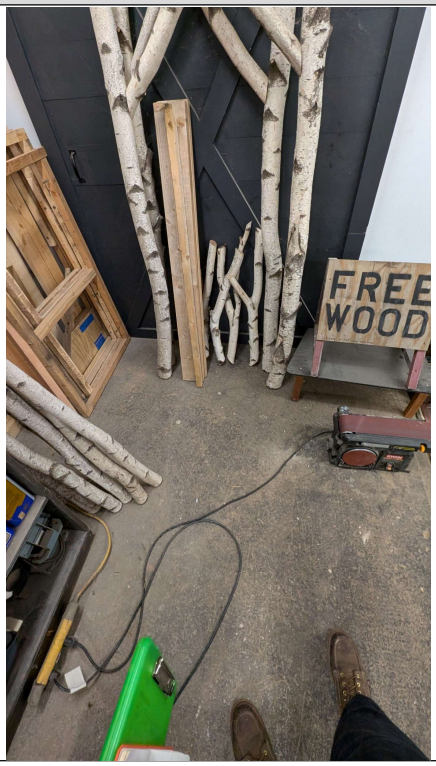


Photo 15: SGP-12 and 13

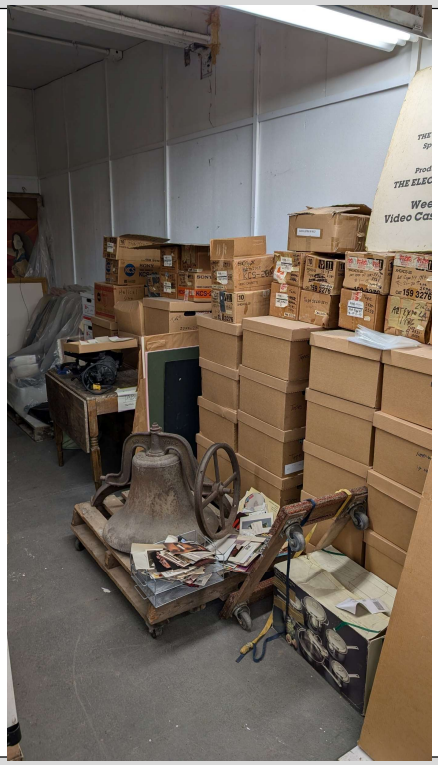


Photo 16: T1-003



Photo 17: T2-004



Photo 18: SGP-9

