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August 31, 2026

NYSDEC Reference
Site 915043

AECOM Reference
60771786

Megan Kuczka
Environmental Program Specialist – 2
Division of Environmental Remediation
New York State Department of Environmental Conservation
700 Delaware Ave.
Buffalo, NY 14209

Revised 2025 Periodic Review Report

Pfohl Brothers Landfill, Town of Cheektowaga, New York

Site 915043

Dear Ms. Kuczka,

Enclosed is the Revised 2025 Periodic Review Report (PRR) for the Pfohl Brothers Landfill in Cheektowaga, New York for the reporting period January 1, 2025 to January 1, 2026. AECOM has prepared this report on behalf of the Town of Cheektowaga. The Annual Report for the January-December 2025 period is submitted as an attachment to this report. Additionally, the Data Applicability Report is included. The PRR was revised based on comments received from you via email on June 3, 2026. For clarity, your comments are presented below in italics, followed by our response:

1. *Is there a reason why the information in Attachment A is not incorporated into the main body of the PRR? Meaning submitting one large report instead of the PRR and an attached groundwater report?*

   Response: This dates back to when groundwater sampling was completed semiannually. The first report of the year would be submitted separately, the second would be submitted along with the PRR. Since we have revised the sampling frequency to once per year, we can modify the report to be one large report in future submittals.

2. *As noted in the 2024-2025 PRR acceptance letter, please document if:*

   - *Fence damage on the northeastern extent of the landfill was repaired*

   Response: The fence damage has not been repaired yet. It will be assessed during the November 2026 groundwater monitoring event. Text has been added to Section 3.6.

   - *Unused bailers were removed*

   Response: The unused bailers were removed from monitoring wells in May 2025. Text has been added to Section 3.6.

   - *Assess if the monitoring wells require redeveloping*

   Response: A brief discussion assessing whether redevelopment of monitoring wells is necessary has been added to Section 3.6.

3. *Section 2.1 – Detail the newly issued BSA discharge permit*

   Response: Detail regarding the newly issued BSA permit has been added to Section 2.1.

4. *Section 3.1 – Update the total number of groundwater sampling rounds*

   Response: The text has been revised to reflect the correct total number of sampling events (41).

5. *Section 3.3 – Detail the newly issued BSA discharge permit*

Response: Detail regarding the newly issued BSA permit has been added to Section 3.3.

6. *Section 3.6 –*

   - *Update the EPA five year review date*

   Response: The EPA five year review date has been revised to April 2025.

   - *Indicate NYSDEC will be notified prior to repairing the drainage issues*

   Response: Text has been added to indicate that NYSDEC will be notified prior to repairing the drainage issues.

   - *Just to confirm, upgrades to the level sensor in WW-03 would not require any excavation correct?*

   Response: Text added to indicate that no excavation is expected to be required during the upgrades at WW-03.

   - *As requested in the 2024-2025 PRR acceptance letter, please assess the flow of each of the wet wells*
     - *Detail a schedule for when jetting is proposed to occur*

   Response: Additional details have been added regarding the flow of each of the wet wells. A sentence was added to indicate the line jetting is anticipated to occur in late 2026.

7. *Attachment A – Section 2 –*

   - *Detail if the equipment replaced at WW-03, WW-05, and WW-06 was replaced in-kind*

   Response: There was an error in the original text. WW-04 had a replacement pump installed not WW-03. The text was corrected and additional detail has been added. Detail regarding equipment being replaced in-kind has been added.

   - *Elaborate on the pump repairs at WW-03. How long was the WW offline? Is there a reason why the pump broke? Was this from the casing being overturned?*

   Response: There was an error in the original text. WW-04 had a replacement pump installed not WW-03. The text was corrected and additional detail has been added. Detail regarding equipment being replaced in-kind has been added.

   - *Detail if all woody vegetation has been removed from the cap*

   Response: Added detail regarding the July 2025 event to clear woody vegetation along the fenceline.

8. *Attachment A – Section 3.2.3.2 – Not all metal exceedances are detailed. Please revise appropriately*

   Response: The section was revised to add detail regarding the chromium and nickel exceedances.

9. *Attachment A – Section 3.2.4.2 – Not all the trends noted in the table in this section has a trendline included in Appendix E. Please revise appropriately.*

   Response: An upward trend was shown for location GW-01D, however, since the parameter has never been above criteria at this location, it should have been shown as “xx”. The Table has been revised appropriately. While reviewing comment 8 above, it was noticed that a nickel trendline for well GW-01D was absent and it has now been added to Appendix E.

10. *Attachment A – Table 3-2 – If a location was sampled on two different days, please note the results and date of both days*

    Response: Although GW-07S and GW-07D were sampled over the course of two days, volatile organic compounds (VOCs) were the only analytes collected on the first day, since no VOCs were detected and the table shows detections only, no revisions were made to the table.

11. *Attachment A – Appendix B – The January flow trendline is missing the 31st data*

    Response: The January flow trendline has been revised and replaced.

12. *Attachment A – Appendix E – Figure E-8 – The nickel trendline has incorrect concentrations (2025 results and other historic results). Please revise appropriately*

AECOM

Response: Appendix E – Figure E-8 has been revised to show the correct values.

13. *Attachment A – Appendix G – The "Once per Permit Monitoring" concentrations do not match the lab data. Please revise appropriately*

    Response: The concentrations on the table were compared to the lab data. They appear to match after converting micrograms per liter (µg/L) to milligrams per liter (mg/L), with one minor revision. The result shown for Method 625 was revised from "No Detects" to "No Detects >0.01" as the permit states the permittee must report any compound whose concentration is equal to or greater than 0.01 mg/L and there were two semivolatile compounds detected at concentrations less than 0.01 mg/L.

14. *Attachment B – Why did the lab method for arsenic vary between sampling locations?*

    Response: The lab method varied because the lab had a lapse in certification for analysis of Arsenic by Method 6010 at that time. The samples in lab report 480-229635 were analyzed by Method 6020 since they were certified for this method. The lab inadvertently did not treat the samples in lab report 480-229678 the same way, they were only analyzed by Method 6010, which they did not have a certification for at the time of the report.

15. *Attachment D – Box 1, Question 4 should be marked "Yes" as a new discharge permit was issued*

    Response: The certification forms have been revised as requested.

If you have any questions on this report, please feel free to contact me.

Yours sincerely,

Robert J. Murphy

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cc: Patrick Bowen, P.E. - Town of Cheektowaga

2025 Periodic Review Report

Pfohl Brothers Landfill

Town of Cheektowaga

Project number: 60771786

Revised August 2026

Delivering a better world

Quality Information

Prepared by	Checked by	Verified by	Approved by
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Revision History

Revision	Revision date	Details	Authorized	Name	Position
1	8/31/26	Revised per NYSDEC comment		Robert J. Murphy, PG	Project Manager

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Attachment B May 2025 Data Applicability Report
Attachment C Photograph Logs
Attachment D IC/EC Certification

1. Introduction

This Periodic Review Report (PRR) is being submitted for the Pfohl Brothers Landfill Site (Site) to document the implementation of, and compliance with, the site-specific site management requirements stated in the Operation and Maintenance (O&M) Plan, with an errata sheet that was approved August 2, 2024. The PRR was prepared using the guidance presented in Section 6.3(b) of New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-10 *Technical Guidance for Site Investigation and Remediation*.

1.1 Background

The Pfohl Brothers Landfill Site (NYSDEC Site No. 915043) is a landfill located on the north and south sides of Aero Drive in the Town of Cheektowaga (Town), New York State, Erie County. The site is located in a commercial area just west of Transit Road. The landfill operated between 1932 and 1971, receiving household and industrial wastes. The industrial waste included paints, waste solvents, thinners, pine tar pitch, cellulose, rubber, scrap metal, and phenolic tars.

A Remedial Investigation and Feasibility Study was completed in 1991 to evaluate the environmental quality of the site and surrounding area. The data showed that on-site soils, groundwater, seeps, and sediments were contaminated with volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. The data did not show any significant off-site impact. A Record of Decision (ROD) was issued in 1992 requiring the landfill to be consolidated and closed. A second ROD was issued in 1994 which stipulated the removal of the northern portion of the site (located immediately south of Interstate 90) from the site description. The ROD also stated that there will be no action in regard to off-site groundwater.

The final remedial design for the site was completed in 2001. The remedial construction consisted of waste consolidation; capping landfills on either side of Aero Drive; providing leachate collection around these areas; restoring wetlands; and fencing the landfill. Work started in 2001 and was completed in 2002. The consolidated landfill was reduced to approximately 94 acres (liner cap area only), the approximate area of the landfill (liner cap and soil cover) inside the boundary fences is 102.51 acres. The Potentially Responsible Parties (PRPs) have filed deed restrictions. The O&M Plan was approved in March 2006 and is being implemented by the Town.

1.2 Effectiveness of Remedial Program

During 2025, the capping and remedial action continued to successfully prevent exposure of buried waste to human health or environmental receptors. Effectiveness has been demonstrated through maintenance of the landfill cap, effective hydraulic control of groundwater beneath the cap, and regular groundwater monitoring and sampling.

1.3 Compliance

The management of the site is in compliance with the O&M Plan. Institutional controls in the form of deed restrictions remain in place. There were no changes of land, groundwater or surface water use, and no excavations occurred onsite during the Certifying Period.

1.4 Recommendations

No changes to the operation, maintenance and monitoring of the site are recommended at this time.

2. Site Overview

2.1 Site Description

The boundaries of the site are shown on Figure 2-1. The total capped area is approximately 102.51 acres. The site is located immediately southwest of the Interstate 90 Ramp at Transit Road in the Town of Cheektowaga. The east/west Aero Drive bisects the site. Each of the two portions of the landfill are covered with a cap comprised of a gas venting

layer, a low permeability synthetic membrane, and a barrier protection fill layer. Surrounding the entire site is a groundwater/leachate collection system consisting of a series of collection trenches that drain into six wet wells (WW-01 to WW-06). The extent of the landfill cap system and the groundwater/leachate collection system is also depicted on Figure 2-1. Leachate and groundwater collected in the wet wells is pumped via submersible pumps to a 15-inch sanitary sewer line on the south side of Aero Drive. This sanitary sewer, installed as part of the remedial action, connects to the existing 15-inch sanitary sewer on Rein Road south of Aero Drive. The collected groundwater/leachate discharges to the sanitary sewer under a permit from the Buffalo Sewer Authority (BSA Pollutant Discharge Permit No. 22-07-CH016, which was replaced with Permit No. 25-07-CH016 during the period of this PRR).

2.2 Chronology

The principal elements of the remedial action were the consolidation of waste materials, construction of a landfill cap, and construction of a perimeter leachate collection system. Construction of the remedial action was completed in 2002.

O&M started in 2002 upon completion of construction. These efforts are performed in accordance with the O&M Plan issued as draft in 2002 and approved as final in 2006. An errata sheet for the O&M Plan was prepared and approved in 2024. Based on the results of the first three years of surface water, sediment and groundwater monitoring, the surface water/sediment sampling was discontinued in 2008, and the list of parameters evaluated during groundwater sampling was reduced in 2006 (limiting the list of VOCs, SVOCs, and metal parameters) and 2007 (discontinuing dioxin and radionuclide analyses).

3. Remedy Performance, Effectiveness and Protectiveness

The principal elements of the O&M are:

- Groundwater monitoring
- Discharge monitoring
- Hydraulic monitoring
- Wetlands monitoring
- General physical and mechanical maintenance.

The Town submits O&M reports to NYSDEC once per year reporting on the performance, effectiveness, and protectiveness of each of these elements. The report covering the calendar year of 2025 is attached to this PRR as Attachment A. A data applicability report for the May 2025 groundwater sample analytical results is also attached as Attachment B. A summary of the findings of performance, effectiveness, and protectiveness for 2025 is presented in the sections below.

3.1 Groundwater Monitoring

As the O&M contractor for the Town, AECOM, USA Inc. (AECOM), formerly URS Corporation (URS) has performed 41 rounds of groundwater sampling to date. The most recent sampling was conducted in May 2025. Results of this sampling continue to show no relevant impacts to groundwater from the landfill.

No VOCs were detected above the applicable water quality standards at any sampled location.

Three SVOCs were detected at concentrations above their respective Class GA water quality standards:

- 1,3-Dichlorobenzene was detected at estimated concentrations of 3.1 and 3.2 micrograms per liter (µg/L) in its parent and duplicate sample, respectively, slightly exceeding its Class GA water quality standard of 3 µg/L at monitoring well location GW-03D.

- 1,4-Dichlorobenzene was detected at estimated concentrations of 4.5 and 4.7 µg/L in its parent and duplicate sample, respectively, slightly exceeding its Class GA water quality standard of 3 µg/L at monitoring well location GW-03D.
- Bis(2-ethylhexyl)phthalate was detected at a concentration of 480 µg/L, exceeding its Class GA water quality standard of 5 µg/L at monitoring well location GW-07D.

The bis(2-ethylhexyl)phthalate concentrations at monitoring well GW-07D increased from a concentration of 84 µg/L when previously sampled in November 2024. As indicated in previous reports, the high concentrations are likely due to the replacement of the polyethylene coated stainless steel leader on the sampling bailer during the November 2022 sampling event, since bis(2-ethylhexyl)phthalate is a manufactured chemical that is commonly added to plastics to make them flexible. The concentration observed during this sampling event still represents a decrease in concentration from the high that was present in the November 2022 event (1,600 µg/L). Prior to the next sampling event, the polyethylene coated stainless steel leader at GW-07D will be further rinsed and wiped clean to prevent further unintended cross-contamination and potential exceedances for bis(2-ethylhexyl)phthalate.

The metals iron, magnesium, manganese, and/or sodium exceeded their Class GA water quality standards in most site wells, but they are naturally occurring elements and not expected to be sourced from the landfill. The metal chromium was detected in three wells (GW-01D, GW-07D, and GW-08D) at concentrations above its Class GA water quality standard of 0.05 milligrams per liter (mg/L). Nickel was also present at concentrations exceeding its Class GA water quality standard in GW-01D, GW-07D, and GW-07S. The sample from well GW-07D also had concentrations antimony above its respective Class GA water quality standard. GW-03S exhibited an exceedance for cadmium. GW-29S had exceedances for arsenic and mercury.

Monitoring well GW-07D has routinely exhibited chromium, lead, and nickel exceedances of the applicable water quality standards. To evaluate if this is related to sample turbidity or dissolved groundwater flow, both filtered and unfiltered samples for metals analysis were collected from this well during this sampling event. Only iron, magnesium, and sodium were still present as dissolved metals at concentrations exceeding their respective Class GA water quality standards.

No significant changes in metals concentrations were observed when compared to previous year's analytical results with the exception of those discussed above. Results were within the historical range of concentrations observed for these metals. The attached annual report presents the 2025 data in tables and graphs.

3.2 Surface Water/Sediment Sampling

Surface water and sediment sampling was discontinued in 2008 after three years of sampling showed that no site-related contaminants were present in these media. This sampling was eliminated in accordance with the O&M Plan as approved by NYSDEC.

3.3 Discharge Monitoring

Groundwater discharge monitoring was performed on a quarterly basis during 2025. The permit requires quarterly sampling and analysis of select metals (i.e., barium, cadmium, chromium, copper, lead, nickel, and zinc) and total suspended solids. The pH and 24-hour flow are also recorded in the field during each event.

Once per three-year permit cycle (the initial event), the Buffalo Sewer Authority (BSA) requires analysis for total mercury, United States Environmental Protection Agency (USEPA) Method 608, 624, and 625 parameters. A new permit (Permit No. 25-07-CH016) was received and effective in July 2025. These parameters were sampled for and reported during the September 2025 event. The next time these will be sampled is expected to be June 2028.

The parameter values in the effluent were below the discharge criteria for all quarterly sampling events conducted in 2025. The results of the sampling are reported in the attached annual report.

3.4 Hydraulic Monitoring

Hydraulic monitoring was performed on a quarterly basis during 2025. Hydraulic monitoring is performed by measuring the water elevation in each of the six wet wells and in ten manholes associated with the perimeter collection system and comparing each of these elevations with the groundwater elevations in nearby monitoring wells

and staff gauges adjacent to each wet well or manhole. Two staff gauges (SG-01 and SG-02) and 19 monitoring wells are measured during each event. Hydraulic control is demonstrated by groundwater levels outside the collection system that are higher than the levels measured in the corresponding wet well or manhole for each measurement date (i.e., a downward vertical hydraulic gradient).

The vertical hydraulic gradient was downwards relative to the groundwater collection system for every quarterly measurement taken during 2025, with only one exception. These data demonstrate that the collection system is largely operating as designed.

3.5 Wetlands Monitoring

The monitoring of wetlands mitigation measures has not been performed as originally planned in the O&M Plan. Initially, the wetlands species planted for mitigation fared poorly due to trampling from geese and deer. Fences were erected in 2004 to keep this wildlife out. Some wetland vegetation was also lost during landfill cap mowing in 2005 when the mowing contractor mowed a greater area than had been specified. The wetland vegetation species were replanted in 2005. However, in the time since construction ended in 2002, the Phragmites sp. vegetation that is quite abundant in this area had spread and established itself throughout the areas formerly disturbed during construction. Phragmites sp. does not provide robust food source for wildlife but does act to stabilize soil in the interface zone between the landfill and the existing pond and wetlands. As such, monitoring of the planted wetland mitigation species is no longer performed.

3.6 General Physical and Mechanical Maintenance

The Town performs general physical and mechanical maintenance of the Site, as needed. Example maintenance items are routine maintenance and replacement of pumps and instrumentation used for groundwater/leachate collection, annual cap mowing, snow plowing, etc. A summary of the general maintenance activities performed during 2025 is provided in the attached annual report.

During the annual groundwater sampling event, AECOM inspects the work areas for evidence of ground burrowing activity. Animal burrows were filled in on the few occasions they were observed at the landfill in 2025. No materials were imported to the site during the Certifying Period.

The Town shuts down the wet well pumps during wet weather conditions as necessary at various times throughout the year. Such actions were only taken upon the request of the BSA during heavy storm events in order to reduce the hydraulic load on the BSA treatment system during such events (i.e., the system is shutdown when the instantaneous flow rate at the Town's Main Pump Station exceeds 30 million gallons per day [mgd]). Shutdown events are recorded and included with the monthly flow data in Appendix B of the attached annual report, as previously requested by NYSDEC. The time the pumps are shut down is noted as "inhibit", followed by an "enable" when they are turned back on. Shutdown events of this nature occurred on 38 occasions in 2025. The Town monitors flow and the weather to ensure total flow have dropped and will remain below the 30 mgd action level before reactivating the Site wells. Depending on the magnitude of the runoff/storm event, this sometimes takes several days..

Some drainage issues (ponded water and rills) were identified during a site walk for the U.S. Environmental Protection Agency (EPA) five-year review in April 2025. The Town plans to address the drainage issues on the cap and scarify the access road to address vegetation and overgrowth in 2026. The Town will notify NYSDEC prior to mobilization. The Town may also choose to re-stone the access road. The drainage issues and the access road will be addressed when weather and site conditions permit. The drainage and access road work will most likely be done by an outside contractor under the Town's annual public works contract. The work will need to be included in the scope of work for the public works contract when the Town puts the contract out to bid. In addition, the Town will likely need to request additional funding and receive approval within their 2026 Pfohl Brother's site budget to cover this work.

The Town is upgrading the computer interface at the site in 2026; upgrades will include replacing the level sensor telemetry at WW-03 with a radio antenna so the well cycles automatically as it should in the future. No excavation is expected to occur as part of these upgrades. Should that change, NYSDEC will be notified. Subsequent to those upgrades the Town will be soliciting quotes from vendors to jet out the conveyance lines on the south side of the landfill, where decreased flows have been observed due to restrictions in the lines. Although reduced flows are evident the system is still maintaining water levels lower than those observed outside the landfill liner system. The

line jetting work is anticipated to occur in late 2026. Below is a summary regarding the 2025 performance of each of the wet wells:

Wet Well	Is Well Hitting Setpoint?	Comment(s)
WW-01	Yes	Well runs infrequently. Greater than 40 gallons per minute (GPM) when running.
WW-02	Yes	Well runs infrequently. Only 100-200 gallons per year.
WW-03	No	The telemetry on this well is being fixed to automate its function. Periodically ran in "hand" mode.
WW-04	No	In December 2025, flow was only 5.5 GPM. Historical records indicate flow as high as 25.9 GPM (December 2022).
WW-05	No	Pump will not run due to the line restriction (trips breaker). Shut off in September 2025 until the line jetting occurs.
WW-06	Yes	This well pumps most of the water on the north side of the landfill. Greater than 40 gallons per minute (GPM) when running.

In May 2025, AECOM removed unused stainless-steel bailers from the monitoring wells, they are stored in the Control Building should they be needed in the future (e.g., redevelopment activities). During July 2025, AECOM cleared back the woody overgrowth along the site fenceline. Damage to the fence was observed along the northeastern fenceline, the damage and potential repair will be assessed during the November 2026 groundwater sampling event. Some photos of general site conditions were taken throughout the year and are included in Attachment C.

Monitoring Well Condition Assessment

All monitoring wells are observed to have hard bottoms, indicating sediment is not accumulating in the monitoring wells. Turbidity at the time of sampling was less than 50 nephelometric turbidity units at the time of sampling in all but four monitoring wells (GW-01S, GW-04S, GW-07D, and GW-29S). GW-04S and GW-07D, are purged dry during each sampling event, therefore they are effectively being redeveloped by over pumping once per year. GW-01S and GW-29S have always been very iron heavy and the turbidity at these wells is the result of the cloudy red nature of the water during purging. Redeveloping these wells would likely improve sample turbidity minimally if at all based on past experience and is therefore not recommended at this time.

4. IC/EC Plan Compliance

There is no formal Institutional Control/Engineering Control (IC/EC) plan for this site. However, there are IC/ECs in place, and they are functioning as intended. These are discussed below.

4.1 Institutional Controls

ICs consist of restrictions on land use for the various parcels that comprise this site. The parcels and their restrictions are listed on the attached Site Management PRR Notice Institutional and Engineering Controls Certification Form (Attachment D) and were included in the Declaration of Covenants and Restrictions for each parcel. The restrictions address building use, groundwater use, surface water use, and land use by location as summarized below:

A. Entire Site

i) Extraction of Groundwater. Until and unless the Department determines that groundwater meets applicable quality criteria, no groundwater wells or other structures shall be installed on the Premises for the purpose of extracting groundwater for any potential use, other than for the purpose of implementing, monitoring, and maintaining the remedial action. This prohibition includes any dewatering required for the construction or maintenance of a building or other structure at the Premises. Any dewatering required for the installation of a public utility by the associated authorities or for the repair, reconstruction, or expansion of public roads or highways located within the area

covered by the prohibition shall be subject to advance written approval by the Department and, if approved, shall be excluded from this prohibition; and

ii) Collection and Use of Surface Water. No surface water cisterns or other surface water collection devices or structures shall be constructed or installed at the Premises, including surface water retention ponds or catchments, unless such surface water retention ponds or catchments are lined with an impermeable membrane and otherwise designed and constructed to minimize infiltration, and only then subject to the written approval of the Department.

B. Capped Areas

In addition to the restrictions listed in Paragraph A, that part of the Premises located within the areas designated as "Capped Area" shall also be subject to the following restrictions.

i) Access and Use. There shall be no access to or use of the Capped Areas, absent prior written consent of the Department. There shall be erected and maintained a security fence enclosing the Capped Area and the placement of appropriate signs, determined from time to time by the Department, as being necessary;

ii) Development. There shall be no development of the Capped Area that requires or causes disturbance of the cap system, including, but not limited to, the placement or construction of any building, underground utility, or structure;

iii) Excavation. There shall be no excavation, removal, disturbance, or digging of any soil, except as may be approved by the Department in writing; and

iv) Tree Planting. The planting of trees and shrubs, which may potentially breach the cap, is prohibited.

C. Cleared Portion of Site Inside Groundwater Collection Area

In addition to the restrictions listed in Paragraph A, that part of the Premises located within the area designated as the "Cleared Portion of Site Inside Groundwater Collection Area" shall also be subject to the following restrictions.

i) Development. That part of the Premises located in the Cleared Portion of Site Inside Groundwater Collection Area may be used for industrial and commercial use only, provided the prior written consent for any such use is given by the Department. Specifically prohibited are:

a. the use of any structure for residential dwellings, schools, and childcare facilities;

b. basements and underground usable space; and

c. foundations requiring passive or active systems for waterproofing.

Furthermore, any development of any part of the Premises located in the Groundwater Collection Area shall be subject to the following restrictions:

a. all structures must have active or passive controls designed to minimize the potential migration of gases and vapors from the subsurface to occupied portions of structures (e.g., vapor barriers, gas venting systems);

b. all surface water must be directly and efficiently collected to systems that convey such water out of the Site groundwater collection area (i.e., beyond the groundwater collection system lines);

c. exposed areas must be graded for positive drainage and vegetated with species selected to minimize potential infiltration;

d. all parking and staging areas must be paved (gravel parking or staging areas being prohibited); and

e. all paved areas must be designed with surface water collection and pavement cross-sections that minimize potential infiltration.

ii) Excavation. There shall be no excavation, removal, disturbance, or digging of any soil within 15 feet from the groundwater collection system lines.

D. Cleared Portion of Site Outside Groundwater Collection Area

In addition to the restrictions listed in Paragraph A, that part of the Premises located within the area designated as the "Cleared Portion of Site Outside Groundwater Collection Area" shall also be subject to the following restrictions.

i) Development. That part of the Premises located within the Cleared Portion of Site Outside Groundwater Collection Area may be used for industrial and commercial use only, provided the prior written consent for any such use is given by the Department. Specifically prohibited are:

a. the use of any structure for residential dwellings, schools, and child care facilities;

b. basements and underground usable space; and

c. foundations requiring passive or active systems for waterproofing.

ii) Excavation. There shall be no excavation, removal, disturbance, or digging of any soil within 15 feet from the groundwater collection system lines.

ii) Excavation. There shall be no excavation, removal, disturbance, or digging of any soil within 15 feet from the forcemain.

There were no changes of use, groundwater or surface water use, and no excavations occurred onsite during the Certifying Period. Compliance with these ICs is evaluated by observation to see if any infringing activities are occurring on these parcels. These ICs remain in effect, as certified in Attachment D.

4.2 Engineering Controls

ECs consist of the landfill cap, fencing and access control, collection of the groundwater/leachate, and vapor mitigation. Compliance with these ECs is evaluated at a minimum through inspection of these elements during each annual monitoring event. In most cases, inspection is more frequent. For example, collection of groundwater/leachate is monitored continuously by Town personnel and effluent compliance reports are submitted quarterly to the BSA. These ECs remain in effect, as certified in Attachment D.

5. Operation & Maintenance and Monitoring Plan Compliance

The components of the O&M Plan are discussed above in Section 3.0. Summaries of O&M activities performed during 2025 are provided in the attached annual report as Attachment A.

The O&M activities show that the landfill and its groundwater/leachate collection system are operating as intended and receive repairs and maintenance as needed in a timely fashion. Analysis of the groundwater in monitoring wells and the effluent generated by the groundwater/leachate collection system show that no landfill contamination is migrating to these media, and therefore the wastes remain effectively contained.

6. Conclusions and Recommendations

The remedial action at the Pfohl Brothers Landfill Site is operating as designed and remains protective of human health and the environment.

Monitoring well GW-07D has routinely exhibited chromium, lead, and nickel exceedances of the applicable water quality standards. To evaluate if this is related to sample turbidity or dissolved groundwater flow, both filtered and

unfiltered samples for metals analysis were collected from this well in 2025. Results indicated that the exceedances are likely due to sample turbidity (See Attachment A). Both filtered and unfiltered samples for metals analysis will be collected again during the next sampling event planned for November 2026.

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FIGURES

N

SG-01
MH-01
GW-03D
GW-03S
MH-02
MH-03
MH-04
WW-01
MH-05
MH-06
MH-07
MH-08
SG-02
GW-08SR
GW-08D
WW-02
MH-09
MH-10
MH-11
MH-12
WW-03
GW-28S
GW-01S
GW-01D
MH-13
MH-28
GW-34S
WW-06
MH-27
MH-25
MH-24
MH-23
MH-14
GW-29S
MH-15
MH-16
WW-04
GW-30S
MH-17
GW-31S
MH-21
MH-20
GW-35S
GW-26D
WW-05
GW-32S
MH-18
GW-33S
MH-22
GW-04D
GW-04S
GW-07D
GW-07S

Ramp
Aero Drive
Pfohl Road
Transit Road
Pasquale Drive

METER CHAMBER
CONTROL BUILDING
6" FORCEMAIN
15" GRAVITY SEWER

Legend

- Manhole
- Wet Well
- Staff Gauge
- Monitoring Well
- Groundwater Collection System Lines
- Capped Area
- Cleared Portion of Site Inside Groundwater Collection Area
- Cleared Portion of Site Outside Groundwater Collection Area

Source: ESRI World Imagery

300 0 300 Feet

PFOHL BROTHERS LANDFILL SITE PLAN

AECOM

FIGURE 2-1

L:\DCS\Projects\111772700.00000\GIS\ARCMAP\Site Plan.mxd 3/25/2025

ATTACHMENTS

ATTACHMENT A January – December 2025 Annual Report

AECOM

Annual Report Operation and Maintenance

January 2025 to December 2025
Pfohl Brothers Landfill

Town of Cheektowaga

Project number: 60771786

August 2026

Delivering a better world

Quality Information

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Appendix D Groundwater Purge and Sample Collection Logs
Appendix E Groundwater Trend Analysis
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1. Introduction

This 2025 Annual Report is being submitted for the Pfohl Brothers Landfill Site (Site) to document the implementation of, and compliance with, the site-specific site management requirements stated in the Operation and Maintenance (O&M) Plan, with an errata sheet that was approved August 2, 2024. This report documents the activities conducted between January and December 2025, as required in Section 3.6 of the O&M Plan.

1.1 Background

The Pfohl Brothers Landfill is located on the north and south sides of Aero Drive in the Town of Cheektowaga, Erie County, New York (Figure 1-1). The site is a landfill, listed as Site No. 915043 on the New York State Department of Environmental Conservation (NYSDEC) registry of Inactive Hazardous Waste Disposal Site (IHWDS) Program. The landfill operated between 1932 and 1971, receiving household and industrial wastes. The industrial waste included paints, waste solvents, thinners, pine tar pitch, cellulose, rubber, scrap metal, and phenolic tars.

A Remedial Investigation and Feasibility Study was completed in 1991 to evaluate the environmental quality of the site and surrounding area. The data showed that on-site soils, groundwater, seeps, and sediments were contaminated with volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. The data did not show any significant off-site impact. A Record of Decision (ROD) was issued in 1992 requiring the landfill to be consolidated and closed. A second ROD was issued in 1994 which stipulated the removal of the northern portion of the site (located immediately south of Interstate 90) from the site description. The ROD also stated that there will be no action in regard to off-site groundwater.

The final remedial design for the site was completed in 2001. A Consent Order between NYSDEC and potentially responsible parties (PRPs) for closure of the site was signed in 2001 and included remedial action which commenced in 2001. Responsibility for implementing the remedial action was divided between a “steering committee” of industrial PRPs and the Town of Cheektowaga (Town). The steering committee responsibilities lay generally with the capital construction activities of the remedial construction. The remedial construction included consolidation of waste material, capping of the waste disposal and consolidation areas, and encircling the landfill areas with a groundwater collection system to prevent off-site migration. The Town, which was named as a PRP for disposal of municipal waste at the Pfohl Brothers Landfill when it was operating, was responsible for performing the operation and maintenance (O&M) activities of the groundwater collection system, pursuant to a settlement agreement between the Town and the steering committee.

1.2 Operation and Maintenance Activities

While remedial construction was substantially complete by late 2002, the final O&M Plan which was issued as a draft in 2002, was not approved by the NYSDEC until March 10, 2006. Nevertheless, the Town and its consultant (URS Corporation – New York [URS], now AECOM USA, Inc. [AECOM]) had assumed most of the operational responsibilities since 2002 and had assumed all of the O&M activities described in the O&M Plan in 2004. This includes a variety of general maintenance activities as outlined in Section 2, and sampling and other monitoring activities as outlined in Section 3.

This report is the 2025 Annual Report, as required in Section 3.6 of the O&M Plan.

2. General Maintenance Activities

Since completion of remedial construction activities in 2002, personnel from the Town's Engineering Department have performed general activities to ensure the physical operation of the landfill as intended by the design. The general maintenance activities performed by the Town from January through December 2025 included the following actions:

- Recorded the amount of groundwater discharged through the collection system daily. The flow rate displayed by each wet well pump at the time of daily inspection and the total cumulative volume of flow was recorded for each wet well (WW-01 to WW-06) on daily inspection sheets. A few examples of the daily inspection sheet for this reporting period are attached in Appendix A.
- The total cumulative effluent flow rates and volumes are summarized on a monthly basis. The monthly totals for the period, including graphs showing daily total discharge (in gallons) as a function of calendar day, are presented in Appendix B. Monthly flow totals are generally consistent with previous years.
- Shut down the wet well pumps during wet weather flow conditions as necessary at various times throughout the year. Such actions were only taken upon request of the Buffalo Sewer Authority (BSA) during heavy storm events in order to reduce the hydraulic load on the downstream BSA treatment system during such events. Shutdown events are recorded and included with the monthly flow data in Appendix B, as previously requested by NYSDEC. The time the pumps are shut down is noted as "inhibit", followed by an "enable" when they are turned back on. Shutdown events of this nature occurred on 38 occasions in 2025.
- Cleaned/replaced check valves as necessary (e.g., when wells exhibit negative flow readings) at all six (6) wet wells and replaced surge suppressors and fuses as needed for pump station instrumentation equipment.
- Performed bimonthly site/security checks, data retrieval, and analysis.
- The following Control Building activities were completed:
    - Performed annual flow totals data collection and reset totalizer equipment,
    - Surge suppressor reset after numerous power outages,
    - Cleaned control room electronic components cabinets, and
    - Replaced the air filter in-kind.
    - Replaced alarm monitoring battery,
- Contractor replaced motor/pump in WW-04 in-kind on March 5, 2025. The pump likely failed due to age. WW-04 was offline for approximately one month.
- Replaced discharge hose in WW-05 in-kind.
- Replaced broken hose connection and hose clamps in-kind on mainline and reconnected discharge hose in WW-06.
- Contractor mowed the entire cap and trimmed along the perimeter chain-link fence.
- During July 2025, AECOM cleared back the woody overgrowth along the site fenceline.
- Monthly roadside (litter) debris and trash removal along Aero Drive.
- Plowed snow to access the Control Building when necessary.

There is a faulty level signal from wet well WW-03, such that the well has been bypassed since mid-2013 and run occasionally on manual mode to "exercise" the equipment. The remaining wet wells have been adequately pumping the levels down to their set points. The repair of the level signal at WW-03, which would require the entire communication run from that well to the control building to be excavated and replaced, is cost prohibitive and is not warranted at this time. The Town is investigating replacing the communication for this wet well with a radio based system.

No additional repairs/maintenance issues need to be addressed at this time.

3. Monitoring Activities

The Town has retained AECOM to perform monitoring activities as outlined in Section 3.1 of the O&M Plan. Since January 2004, groundwater hydraulic monitoring (Section 3.1.1.2 of the O&M Plan) and effluent monitoring (Section 3.1.4 of the O&M Plan) have been performed on a quarterly basis; and, groundwater quality monitoring (Section 3.1.1.3 of the O&M Plan) has been performed on a semi-annual basis, until 2023, when it was approved to be changed to an annual basis.

A summary of the monitoring activities completed for the 2025 reporting period is presented in the following subsections. Quarterly activities were conducted in March, June, September and December 2025, and annual activities were conducted in May 2025. There are 19 groundwater monitoring wells, ten manhole monitoring points, two staff gauge points and six wet wells that are part of the monitoring activities. These sampling locations are shown on Figure 3-1.

3.1 Groundwater Hydraulic Monitoring

Groundwater and surface water elevations were monitored on a quarterly basis and during the annual groundwater quality monitoring event at all locations listed in Table 3.1 of the O&M Plan. The hydraulic monitoring data tables showing groundwater elevations are presented in Appendix C. Table C-1 lists the measured elevations and Table C-2 provides a comparison of the measured levels in the groundwater monitoring wells to the corresponding staff gauges, manholes and wet wells.

The data presented in Table C-2 indicate that the groundwater levels outside the collection system (in the groundwater monitoring wells and staff gauges) were higher than the levels measured in the corresponding wet wells or manholes during every monitoring event, with one exception. The water elevation in GW-34S was lower than the elevation of its corresponding point inside the collection system (WW-6) during the September 15, 2025 measuring event. This was the result of a seasonal low water table (the well was nearly dry). This demonstrates that the collection system is largely operating as designed since it is creating a groundwater depression inside the collection system. A groundwater contour map was generated for the May 2025 event and is presented as Figure 3-2. Since the design of the landfill consists of an impermeable very flexible polyethylene (VFPE) geomembrane liner keyed into clay surrounding the entire landfill, separate contours were generated for the monitoring points within the liner system (i.e., wet wells and manholes) and the monitoring points outside the liner system (i.e., monitoring wells and staff gauges).

3.2 Groundwater Quality Monitoring

Groundwater sampling was conducted during the annual monitoring event between May 21 and May 23, 2025, at all overburden and bedrock wells listed in Table 3.2 of the O&M Plan (as listed in Table 3-1 attached to this report). Figure 3-1 shows the well locations.

All wells were purged and sampled for VOCs, SVOCs and metals using dedicated/ disposable equipment. Field water quality parameters (i.e., pH, specific conductivity, temperature, dissolved oxygen, oxidation reduction potential, and turbidity) were measured during the purging process. Low flow sampling techniques were used at all wells, with the exception of wells with low recharge rates which used passive diffusion bags (PDBs).

PDBs were placed in three monitoring wells with low recharge rates (GW-04S, GW-07S, and GW-07D) on May 6, 2025. The PDBs were removed from the wells during the May 2025 sampling event, and the water was poured into the appropriate sample containers for laboratory analysis of VOCs. Following removal of the PDBs, the three wells were purged dry. Samples for SVOCs and metals were collected after water levels recovered (the next day for monitoring wells GW-07S and GW-07D and later the same day for monitoring well GW-04S). In addition, during this event, a filtered metals sample was collected from GW-07D.

Purge logs with water quality measurements and sample collection summary sheets are provided in Appendix D. Following collection, the samples were packed with ice in coolers and transported under chain-of-custody control to Eurofins Buffalo, an analytical laboratory in Amherst, New York.

The groundwater samples were analyzed for the VOCs, SVOCs, and metals listed in Table 3.2 of the O&M Plan, as revised in the August 1, 2024 Errata Sheet (included as Table 3-1 in this report).

3.2.1 Laboratory Report

The groundwater analytical data package was prepared by Eurofins Buffalo in accordance with NYSDEC Category A deliverable requirements. A limited data review was performed by an AECOM chemist in accordance with the following United States Environmental Protection Agency (USEPA) guidelines:

- Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B & 8260C, SOP HW-24, Rev. 4, October 2014;
- Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D, SOP HW-22, Rev. 5, December 2010;
- ICP-AES Data Validation, SOP HW-3a, Rev. 1, September 2016; and
- Mercury and Cyanide Data Validation, SOP HW-3c, Rev. 1, September 2016.

Qualifications applied to the data include “J” (estimated concentration) and “U” (not detected).

AECOM prepared a Data Applicability Report (DAR) following the guidelines provided in NYSDEC Division of Environmental Remediation (DER-10) Technical Guidance for Site Investigation and Remediation, Appendix 2B, dated May 2010. The DAR dated July 2025 is submitted separately from this report. AECOM also uploaded the validated data onto the NYSDEC EQuIS database on March 13, 2026.

3.2.2 Results

Table 3-2 of this report presents the groundwater sample results compared to the NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Class GA water quality standards. No VOCs were detected at concentrations above the Class GA water quality standards at any sampled location.

Three SVOCs were detected at concentrations above their respective Class GA water quality standards:

- 1,3-Dichlorobenzene was detected at estimated concentrations of 3.1 and 3.2 micrograms per liter (µg/L) in its parent and duplicate sample, respectively, slightly exceeding its Class GA water quality standard of 3 µg/L at monitoring well location GW-03D.
- 1,4-Dichlorobenzene was detected at estimated concentrations of 4.5 and 4.7 µg/L in its parent and duplicate sample, respectively, slightly exceeding its Class GA water quality standard of 3 µg/L at monitoring well location GW-03D.
- Bis(2-ethylhexyl)phthalate was detected at a concentration of 480 µg/L, exceeding its Class GA water quality standard of 5 µg/L at monitoring well location GW-07D.

The bis(2-ethylhexyl)phthalate concentrations at monitoring well GW-07D increased from a concentration of 84 µg/L when previously sampled in November 2024. As indicated in previous reports, the high concentrations are likely due to the replacement of the polyethylene coated stainless steel leader on the sampling bailer during the November 2022 sampling event, since bis(2-ethylhexyl)phthalate is a manufactured chemical that is commonly added to plastics to make them flexible. The concentration observed during this sampling event still represents a decrease in concentration from the high that was present in the November 2022 event (1,600 µg/L). Prior to the next sampling event, the polyethylene coated stainless steel leader at GW-07D will be further rinsed and wiped clean to prevent further unintended cross-contamination and potential exceedances for bis(2-ethylhexyl)phthalate.

The metals iron, magnesium, manganese, and/or sodium exceeded their Class GA water quality standards in most site wells, but they are naturally occurring elements and not expected to be sourced from the landfill. The metal chromium was detected in three wells (GW-01D, GW-07D, and GW-08D) at concentrations above its Class GA water quality standard of 0.05 milligrams per liter (mg/L). Nickel was also present at concentrations exceeding its Class GA water quality standard in GW-01D, GW-07D, and GW-07S. The sample from well GW-07D also had concentrations antimony above its respective Class GA water quality standard. GW-03S exhibited an exceedance for cadmium. GW-29S had exceedances for arsenic and mercury.

Monitoring well GW-07D has routinely exhibited chromium, lead, and nickel exceedances of the applicable water quality standards. To evaluate if this is related to sample turbidity or dissolved groundwater flow, both filtered and unfiltered samples for metals analysis were collected from this well during this sampling event. The filtered results are shown alongside the unfiltered results on Table 3-2 and indicate a significant reduction in concentrations with filtering. Only iron, magnesium, and sodium were still present as dissolved metals at concentrations exceeding their respective Class GA water quality standards.

3.2.3 Comparison to Historical Results

3.2.3.1 Organics

The 2025 organics results are consistent with historical results; there have been very few and infrequent detections of most VOCs/SVOCs. 1,3-Dichlorobenzene has frequently been detected at low levels in GW-03D, with estimated concentrations ranging from 2.0 to 3.2 µg/L over the last several years. 1,4-Dichlorobenzene has frequently been detected at low levels in GW-03D, with estimated concentrations ranging from 2.9 to 4.7 µg/L over the last several years. The bis(2-ethylhexyl)phthalate result in GW-07D was anomalously high in 2025 and was likely due to the replacement of the polyethylene coated stainless steel leader on the stainless steel sampling bailer during the November 2022 event.

3.2.3.2 Metals

No significant changes in metals concentrations were observed during 2025 when compared to previous analytical results. The concentrations of iron, magnesium, manganese, and sodium in most site wells were similar to the concentrations found during previous sampling events.

Sodium concentrations were generally elevated in bedrock wells (GW-01D, GW-03D, GW-08D, and GW-26D) and shallow wells adjacent to roads (GW-01S). The sodium concentrations were also elevated in wells GW-03S and GW-08SR. The higher sodium concentrations in the bedrock wells may be attributed to the bedrock composition, and the elevated concentrations in the shallow wells may be the result of seasonal road de-icing activities.

The detections of antimony at GW-07D and arsenic at GW-29S were within their historical ranges. The cadmium detection at GW-03S and mercury detection at GW-29S were the highest concentrations observed at these wells to date. However, cadmium was present at a significantly lower concentration at GW-03S during the previous event and mercury was not detected at GW-29S during the previous event, so these do not appear to be trends. The detections of chromium at GW-01D, GW-07D, and GW-08D were within their historical ranges. The detection of nickel at location GW-07D was within historical ranges, however the detections of nickel at GW-01D and GW-07S represented the highest concentrations observed at these wells in the last 20 events.

3.2.4 Trend Analysis

A trend analysis of groundwater parameters that historically have exceeded Class GA water quality standards was performed and is presented graphically in Figures E-1 through E-19 of Appendix E.

A review of the trend analysis indicated that no significant changes or trends in concentrations of any of the parameters exceeding water standards have occurred over the sampling events in recent years. Various metal parameters exceeded the Class GA water quality standards historically, however, only the parameters that have recently exceeded are discussed below.

3.2.4.1 Organics

The Mann-Kendall Nonparameteric Test for Trend was used to determine if there was a trend over the last 20 events for the following parameters:

- 1,4-Dichlorobenzene in GW-03D (on Figure E-3), and
- Bis(2-ethylhexyl)phthalate in GW-07D (on Figure E-7).

The test indicated there was an upward trend for 1,4-Dichlorobenzene in GW-03D. The test indicated no trend for bis(2-ethylhexyl)phthalate in GW-07D.

As previously discussed, the result for bis(2-ethylhexyl)phthalate in GW-07D was anomalously high during the last several events since changing out the polyethylene coated stainless steel leader at this well, however, the concentration has been dropping an order of magnitude each sampling event.

3.2.4.2 Metals

The Mann-Kendall Nonparameteric Test for Trend was used to determine the trends over the last 20 events for various metal parameters, as summarized in the following table (note, "--" indicates no discernable trend, "xx" indicates the parameter has never been above criteria at that location, and "*" indicates that there is seasonal variability observed):

Figure	Monitoring Well	Parameters Routinely Exceeding Groundwater Standards and Trend			
		Iron	Magnesium	Manganese	Sodium
E-1	GW-01D	--	Upward	xx	Upward
E-2	GW-01S	--	Upward	Downward	Upward
E-3	GW-03D	--	xx	Downward	Upward
E-4	GW-03S	--	Downward	--	Upward
E-5	GW-04D	--	Upward	--	Upward
E-6	GW-04S	Downward	Upward	Downward	--
E-7	GW-07D	Upward	Upward	Upward	Upward
E-8	GW-07S	--	Upward	--	Upward
E-9	GW-08D	--	xx	Downward	--
E-10	GW-08SR	Downward	--	Downward	--
E-11	GW-26D	Downward	xx	Downward	Downward
E-12	GW-28S	--	--	--	Downward
E-13	GW-29S	--	Downward	--	--
E-14	GW-30S	--*	Downward*	--*	--*
E-15	GW-31S	Upward	--	Downward	xx
E-16	GW-32S	--	Downward	--	Downward*
E-17	GW-33S	--	Downward	--	Downward
E-18	GW-34S	--	Downward	--*	--
E-19	GW-35S	--	--	Upward	--

Similarly, the Mann-Kendall Nonparameteric Test for Trend was used to determine if there was a trend over the last 20 events for total chromium and lead in GW-07D (on Figure E-7). The test indicated there was no trend for either metal over this period.

3.3 Groundwater Discharge Monitoring

Four quarterly discharge sampling events were completed in 2025, in March, June, September, and December. The sampling was performed in accordance with the requirements of Pollutant Discharge Permit No. 22-07-CH016 and Permit No. 25-07-CH016, authorized by the BSA and the Town of Cheektowaga on July 1, 2022 and July 1, 2025, respectively. The permits require quarterly sampling and analysis of select metals (i.e., barium, cadmium, chromium, copper, lead, nickel, and zinc) and total suspended solids (TSS), as well as measurement of pH and flow. A copy of the permits, which shows the monitoring parameters and associated discharge limits, is included as Appendix F.

During the discharge sampling events in March 2025, June 2025, September 2025, and December 2025, each regulated parameter was below the limits set by the permit. Copies of the data summary tables that were included with the quarterly monitoring reports submitted to the BSA are included as Appendix G.

Once per Permit cycle (the initial event), the BSA requires analysis for total mercury, USEPA Method 608, 624, and 625 parameters. These parameters were sampled for and reported during the September 2025 event. The next time these will be sampled is expected to be June 2028.

3.4 Monitoring Well Inspections

During the May 2025 groundwater sampling event, well inspections were performed on all overburden and bedrock monitoring wells.

All wells appeared to be in good condition, with the exception of minor damage to the risers on monitoring wells GW-07D, GW-01S, and GW-01D, which were previously noted in the 2024 Annual Report. These wells are still functional and do not require immediate repair. The monitoring well inspection logs are included as Appendix H.

4. Summary and Recommendations

General Maintenance: The Town will continue to maintain mechanical equipment at the Site as needed, and will operate the groundwater collection and discharge system as designed. It is recommended that the Town continue regular inspections, mow the cap at least once per year, and plow snow to access the Control Building, as necessary.

Groundwater Hydraulic Monitoring: Hydraulic monitoring has been performed on a quarterly basis in conjunction with the discharge monitoring. Water level measurement data demonstrates that the collection trench water levels are maintained at lower elevations than the monitoring points outside the landfill system, as designed. Continued quarterly hydraulic monitoring is recommended. The next rounds of monitoring will be conducted by AECOM in March, June, September, and December 2026.

Groundwater Quality Monitoring: Groundwater sample results indicate that only low levels of SVOCs and metals are present at select monitoring wells. Similar concentrations of most parameters were found during previous sampling events. The bis(2-ethylhexyl)phthalate result in GW-07D is anomalously high and is likely due to the replacement of the polyethylene coated stainless steel leader on the stainless steel sampling bailer during the November 2022 event. Prior to the next sampling event, the stainless steel leader at GW-07D will be further rinsed and wiped clean to prevent further exceedances for bis(2-ethylhexyl)phthalate. In addition, monitoring well GW-07D has routinely exhibited chromium, lead, and nickel exceedances of the applicable water quality standards. A filtered sample collected during this event show that these exceedances are likely due to sample turbidity and not dissolved groundwater flow. Both filtered and unfiltered samples for metals analysis will be collected from this well again during the next sampling event.

Continued annual groundwater quality monitoring, alternating between May and November, is recommended. AECOM will complete the next round of groundwater sampling in November 2026.

Groundwater Discharge Monitoring: Groundwater discharges remain within permit limits. Continued quarterly discharge monitoring is recommended. The next rounds of monitoring will be conducted by AECOM in March, June, September, and December 2026.

TABLES

TABLE 3-1

ERRATA SHEET for

Operation and Maintenance Plan
Pfohl Brothers Landfill Site, Cheektowaga, New York
NYSDEC Site Number: 915043

Issued on August 1, 2024

TABLE 3.2

GROUNDWATER SAMPLING SUMMARY
OPERATION AND MAINTENANCE PLAN
PFOHL BROTHERS LANDFILL SITE, CHEEKTOWAGA, NEW YORK

LOCATIONS

GW-1D/1S
GW-3D/3S
GW-4D/4S
GW-7D/7S
GW-8D/8S(R)
GW-26D/35S
GW-28S
GW-29S
GW-30S
GW-31S
GW-32S
GW-33S
GW-34S

FREQUENCY

annually for overburden and bedrock groundwater

PARAMETERS

Field	pH
	conductivity
	temperature
	turbidity
VOCs	Acetone
	Benzene
	1,2-Dichloroethene (total)
	1,1,2-Trichloroethane
	Vinyl chloride
SVOCs	Phenol
	1,3-Dichlorobenzene
	1,4-Dichlorobenzene
	bis(2-Ethylhexyl)phthalate

TABLE 3-1

ERRATA SHEET for

Operation and Maintenance Plan
Pfohl Brothers Landfill Site, Cheektowaga, New York
NYSDEC Site Number: 915043

Issued on August 1, 2024

TABLE 3.2 (continued)

GROUNDWATER SAMPLING SUMMARY
OPERATION AND MAINTENANCE PLAN
PFOHL BROTHERS LANDFILL SITE, CHEEKTOWAGA, NEW YORK

PARAMETERS (cont'd)

Metals	Antimony
	Arsenic
	Barium
	Cadmium
	Chromium
	Copper
	Iron
	Lead
	Magnesium
	Manganese
	Mercury
	Nickel
	Silver
	Sodium
	Zinc

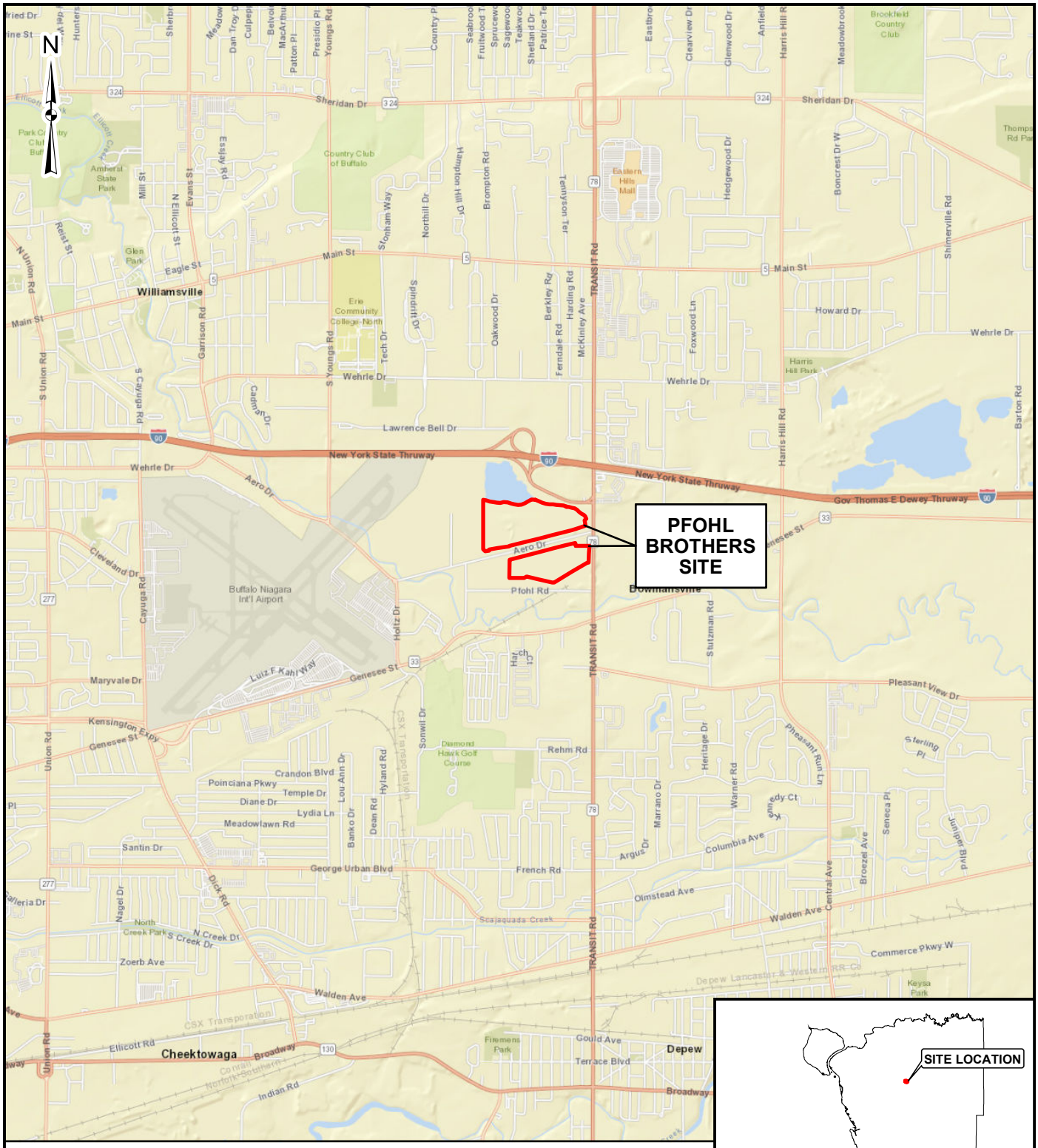
TABLE 3-2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
PFOHL BROTHERS LANDFILL SITE
MAY 2025

	Monitoring Well		GW-01D	GW-01S	GW-03D	GW-03D	GW-03S	GW-04D	GW-04S	GW-07D	GW-07D	GW-07S	GW-08D	GW-08SR	GW-26D	GW-28S	GW-29S	GW-30S	GW-31S	GW-32S	GW-33S	GW-34S	GW-35S
	Sample Date		5/21/2025	5/21/2025	5/22/2025	5/22/2025	5/22/2025	5/21/2025	5/21/2025	5/22/2025	5/22/2025	5/22/2025	5/22/2025	5/22/2025	5/23/2025	5/22/2025	5/22/2025	5/23/2025	5/23/2025	5/23/2025	5/23/2025	5/22/2025	5/23/2025
	Sample Type		N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	**Units**	**Criteria***									Dissolved												
Semivolatile Organic Compounds																							
1,3-Dichlorobenzene	ug/l	3			3.1 J	3.2 J					NA												
1,4-Dichlorobenzene	ug/l	3			4.5 J	4.7 J					NA												
Bis(2-ethylhexyl)phthalate	ug/l	5								480	NA	2.3 J											
Metals																							
Antimony	mg/l	0.003								0.0069 J													
Arsenic	mg/l	0.025		0.0035	0.0018	0.0018	0.00074 J		0.0048	0.0031	0.00058 J	0.00065 J	0.00047 J	0.0048		0.002	0.091						
Barium	mg/l	1	0.091	0.21	0.12	0.11	0.059	0.1	0.1	0.16	0.091	0.48	0.077	0.12	0.12	0.084	0.3	0.1	0.11	0.046	0.071	0.1	0.07
Cadmium	mg/l	0.005		0.00055 J			0.0078		0.00071 J	0.0017				0.001			0.00057 J						
Chromium (total)	mg/l	0.05	0.066	0.0031 J			0.048	0.0076	0.0051	0.35	0.039	0.011	0.079	0.0092	0.0057	0.027	0.012						0.0018 J
Copper	mg/l	0.2	0.0027 J				0.0048 J		0.0025 J	0.037	0.0021 J		0.0021 J										
Iron	mg/l	0.3	0.53	15.9	1.1	1.1	1.3	0.15	1.2	16.7	0.86	0.14	0.68	13.2	2.8	1.8	48.6	8.4	8.2	0.075		0.23	0.055
Lead	mg/l	0.025								0.19	0.0083												
Magnesium	mg/l	35	38.5	25.8	17.7	17.5	84.6	85.2	29.7	40.6	37.8	52.9	15.1	48.9	19.1	25.7	49.3	28.5	23.4	25	28.8	36	21.6
Manganese	mg/l	0.3	0.056	0.98	0.18	0.18	0.15	0.026	0.055	0.17	0.04	0.25	0.021	0.57	0.3	1.1	0.77	0.99	0.42	0.22	0.018	0.33	0.42
Mercury	mg/l	0.0007	0.00067														0.0027						
Nickel	mg/l	0.1	0.12		0.0042 J	0.0039 J	0.042	0.0054 J	0.0051 J	0.17	0.016	0.31	0.018	0.012		0.0056 J			0.0016 J	0.0048 J		0.0032 J	0.0027 J
Sodium	mg/l	20	129	164	307	302	83.8	113	33.7	83.6	88.6	62.6	261	132	264	7	10.3	44.9	2.3	3.3	2.5	18.7	2.4
Zinc	mg/l	2					0.016		0.0064 J	0.12	0.0024 J					0.003 J	0.013			0.0019 J	0.0023 J		0.0015 J

Notes: *Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda). Class GA.
Flags assigned during chemistry validation are shown.

ug/l - micrograms per liter
mg/l - milligrams per liter
NA - not analyzed
 - Concentration Exceeds Criteria
J - The analyte was positively identified, the quantitation is an estimation.
Empty - Not detected; only detected results reported.

FIGURES



AECOM

PFOHL BROTHERS LANDFILL
SITE LOCATION

FIGURE 1-1

L:\DCS\Projects\11172700.0000\GIS\ARCMAP\Site Location.mxd 3/25/2025

N

SG-01
MH-01
GW-03D
GW-03S
MH-02
MH-03
MH-04
WW-01
MH-05
MH-06
MH-07
MH-08
SG-02
GW-08SR
GW-08D
WW-02
MH-09
MH-10
MH-11
MH-12
WW-03
GW-28S
GW-01S
GW-01D
MH-13
MH-28
GW-34S
WW-06
MH-27
MH-25
MH-24
MH-23
MH-14
GW-29S
MH-15
MH-16
WW-04
GW-30S
METER CHAMBER
CONTROL BUILDING
6" FORCEMAIN
GW-04D
GW-04S
15" GRAVITY SEWER
GW-33S
MH-22
MH-21
MH-20
GW-35S
GW-26D
WW-05
GW-32S
MH-18
MH-17
GW-31S
GW-07D
GW-07S
Ramp
Aero Drive
Pfohl Road
Transit Road
Pasquale Drive

Legend

- Manhole
- Wet Well
- Staff Gauge
- Monitoring Well
- Groundwater Collection System Lines
- Capped Area
- Cleared Portion of Site Inside Groundwater Collection Area
- Cleared Portion of Site Outside Groundwater Collection Area

Source: ESRI World Imagery

300 0 300 Feet

PFOHL BROTHERS LANDFILL
MONITORING LOCATIONS

AECOM

FIGURE 3-1

L:\DCS\Projects\111772700.00000\GIS\ARCMAP\Monitoring Locations.mxd 3/25/2025

N

SG-01, Dry

GW-03D, 692.03
GW-03S, 690.69

MH-01, 688.37

MH-03, 688.27

WW-01, 688.12

MH-07, 687.42

SG-02, 693.36

Ramp

GW-08SR, 691.48
GW-08D, 691.93

WW-02, 688.88

MH-10, 688.50

Transit Road

WW-03, 688.60

GW-28S, 691.70

GW-01D, 692.99
GW-01S, 691.92

GW-34S, 691.31

WW-06, 688.89

MH-25, 688.33

GW-04D, 680.92
GW-04S, 688.19

Aero Drive

GW-33S, 694.59

MH-22, 689.06

MH-20, 687.20
GW-35S, 692.13
GW-26D, 691.80

WW-05, 686.24

GW-32S, 694.47

Rein Road

MH-17, 687.25

GW-31S, 695.18

GW-29S, 690.94
MH-15, 687.27

MH-16, 687.27
GW-30S, 688.97

WW-04, 686.72

Pasquale Drive

Pfohl Road

GW-07D, 655.14
GW-07S, 694.47

Legend

- Monitoring Well
- Staff Gauge
- Groundwater Flow Direction (Outside Landfill)
- Groundwater Elevation Contour (Outside Landfill)
- Groundwater Collection System Lines
- Manhole
- Wet Well
- Groundwater Flow Direction (Inside Landfill - Inferred)
- Groundwater Elevation Contour (Inside Landfill - Inferred)
- Capped Area

Note: Deep wells were not used in contour generation.

Source: ESRI World Imagery

300 0 300 Feet

PFOHL BROTHERS LANDFILL GROUNDWATER CONTOURS (MAY 21, 2025)

AECOM

FIGURE 3-2

L:\DCS\Projects\111727700.00000\GIS\ARCMAP\GW Contours - Shallow (20250521) (Barrier).mxd 9/12/2025

Appendix A Example Daily Inspection Sheets

Pfohl Brothers Landfill Site

Daily Logsheet — **Town of Cheektowaga**

Date: 2/8/25 — Weather conditions: PM/4 Cloudy 27°F

Time: 9:14A — Read by: SS

	Level of Water from bottom (ft.)	Flow gallons / minute	Flow Totals gallons	Pump Run Time Hrs.
WW-3	99.0	0.0	3	2
WW-2	4.6	0.0	0	224
WW-1	4.0	0.0	18055	8396
WW-6	6.6	63.2	2064744	24927
WW-4	6.9	-3.3	1205833	3409
WW-5	6.2	15.7	1287162	5379

Flow Totalizer at Meter chamber: 5317804

Heat Trace

Outside temp T = 27 °F

Current A = 2.0

Set point SP = 40°F

Large Suppressor events: 332

Motor Control Center

Volts 485 volts

Amps 10 amps

Which WW was running?

1☐ 2☐ 3☐ 4☐ 5☒ 6☒

Filter: Checked ☒ Changed ☐

Comments and/or Current Conditions

Replaced battery for alarm monitoring.

Pfohl Brothers Landfill Site

Daily Logsheet

Town of Cheektowaga

ate 5/23/25

Time 0750

Weather conditions Rain 46°F

Read by: CH - AECOM

	Level of Water from bottom (ft.)	Flow gallons / minute	Flow Totals gallons	Pump Run Time Hrs.
WW-3	99.0	0.0	14	2
WW-2	4.6	0.0	118	224
WW-1	4.7	0.0	230028	8492
WW-6	7.7	0.0	3356957	25728
WW-4	10.3	0.0	1211039	3732
WW-5	10.4	0.0	2451116	7160

Flow Totalizer at Meter chamber 8122517

Heat Trace

Outside temp **T** = 45

Current **A** = 0.0

Set point **SP** = 40

Surge Suppressor events 333

Motor Control Center

Volts 485 **volts**

Amps 5 **amps**

Which WW was running?

1 2 3 4 5 6

Filter **Checked** **Changed**

Comments and/or Current Conditions

Remote inhibit on

Pfohl Brothers Landfill Site

Daily Logsheet — Town of Cheektowaga

Date 10/27/25 — Weather conditions Ptly Cloudy 49°F

Time 1206P — Read by: BB

	Level of Water from bottom (ft.)	Flow gallons / minute	Flow Totals gallons	Pump Run Time Hrs.
WW-3	99.0	45.3	10286	6
WW-2	4.6	0.0	0.0	224
WW-1	4.3	0.0	545941	8812
WW-6	7.2	0.0	0.0	25278
WW-4	8.8	7.1	1174142	7069
WW-5	8.7	0.0	-241468	7504

Flow Totalizer at Meter chamber: 1731095

Heat Trace

Outside temp T = 49°F — Set point SP = 40°F

Current A = 0.0

Surge Suppressor events: 345

Motor Control Center

Volts 485 volts — Which WW was running?

Amps 8 amps — 1☐ 2☐ 3☒ 4☒ 5☐ 6☐

Filter — Checked ☒ — Changed ☐

Comments and/or Current Conditions

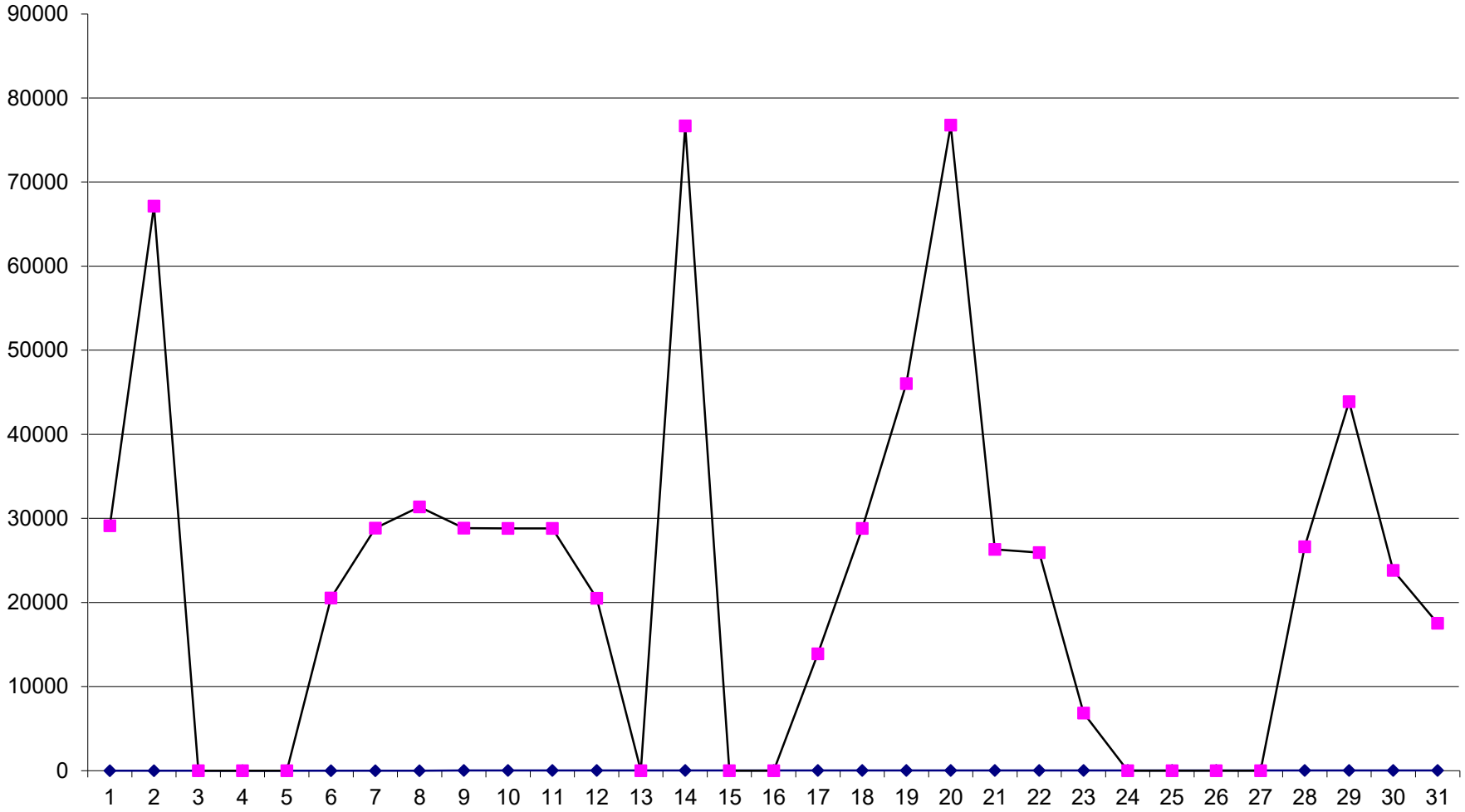
- WW#3 pump ~~ran~~ running in HAND
- Ferguson Electric mtg @ 1230P - discuss work needed done for WW3 wireless / SCADA project

Appendix B Monthly Flow Summaries (January 2025 – December 2025)

12/31/2025		4,272,269	0	
Jan-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		4,301,402	29,133	
2		4,368,526	67,124	
3		4,368,526	0	
4		4,368,526	0	
5		4,368,526	0	
6		4,389,066	20,540	
7		4,417,913	28,847	
8		4,449,284	31,370	
9		4,478,124	28,840	
10		4,506,924	28,800	
11		4,535,724	28,800	
12		4,556,219	20,495	
13		4,556,219	0	
14		4,632,900	76,681	
15		4,632,900	0	
16		4,632,900	0	
17		4,646,795	13,895	
18		4,675,595	28,800	
19		4,721,641	46,046	
20		4,798,408	76,767	
21		4,824,722	26,314	
22		4,850,642	25,920	
23		4,857,496	6,853	
24		4,857,496	0	
25		4,857,496	0	
26		4,857,496	0	
27		4,857,496	0	
28		4,884,120	26,624	
29		4,928,010	43,890	
30		4,951,814	23,803	
31		4,969,359	17,545	16:12- Site Inhibited
		697,090	**697,087**	

total out month

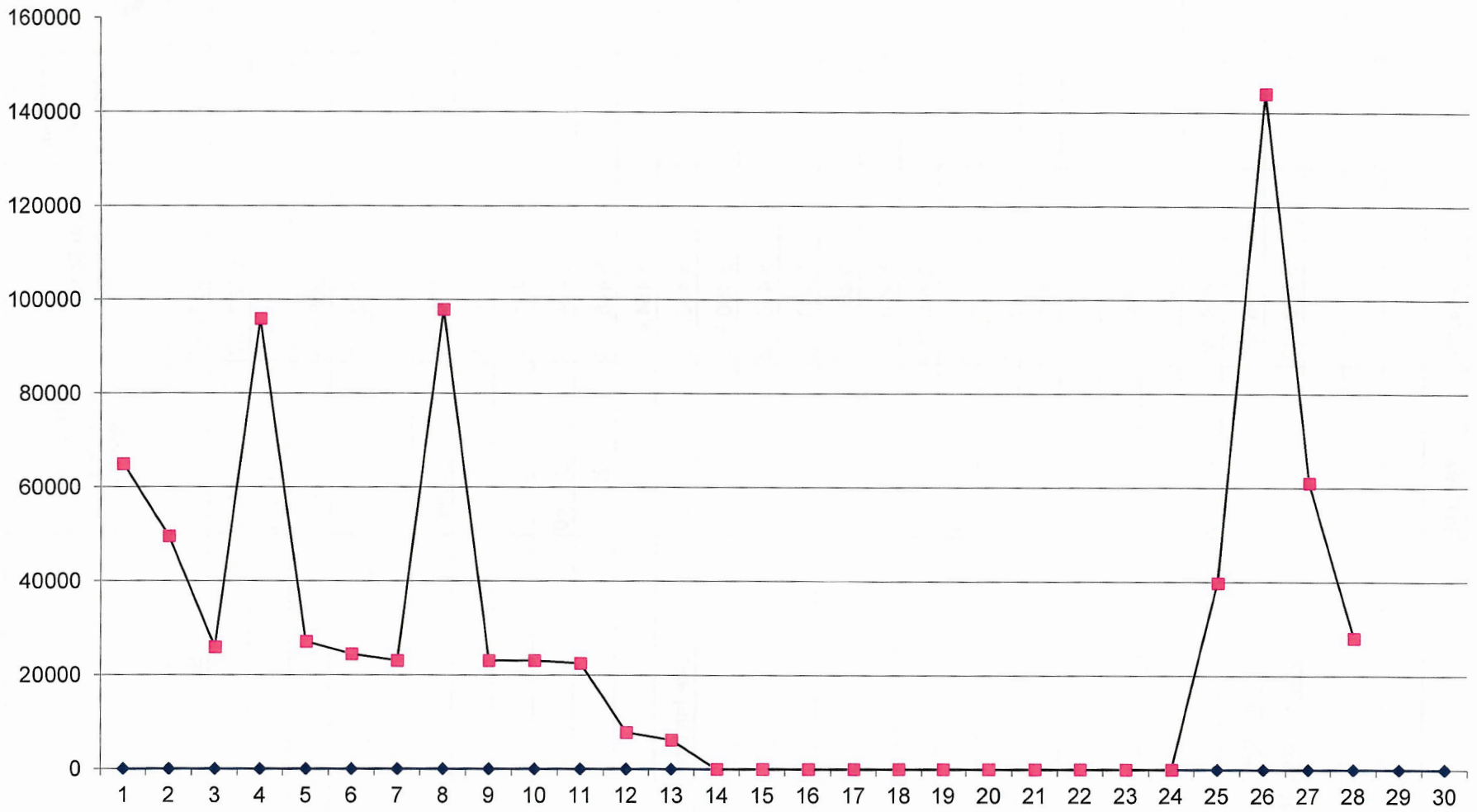
January
2025



1/31/2025		4,969,359	0	
Feb-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		5,034,247	64,887	Site Enabled 08:55
2		5,083,767	49,520	
3		5,109,687	25,920	
4		5,205,579	95,891	
5		5,232,716	27,137	
6		5,257,174	24,458	
7		5,280,214	23,040	
8		5,378,104	97,890	
9		5,401,144	23,040	
10		5,424,184	23,040	
11		5,446,706	22,522	
12		5,454,482	7,776	
13		5,460,710	6,228	Site Inhibited 06:27
14		5,460,710	0	
15		5,460,710	0	
16		5,460,710	0	
17		5,460,710	0	
18		5,460,710	0	
19		5,460,710	0	
20		5,460,710	0	
21		5,460,710	0	
22		5,460,710	0	
23		5,460,710	0	
24		5,460,710	0	
25		5,500,449	39,738	Site Enabled 10:33, Site Inhibited 14:55; Site Enabled 21:36
26		5,644,449	144,000	
27		5,705,529	61,080	Site Inhibited 10:48
28		5,733,517	27,988	Site Enabled 18:07
29				
30				
31				
		764,158	**764,155**	

total out month

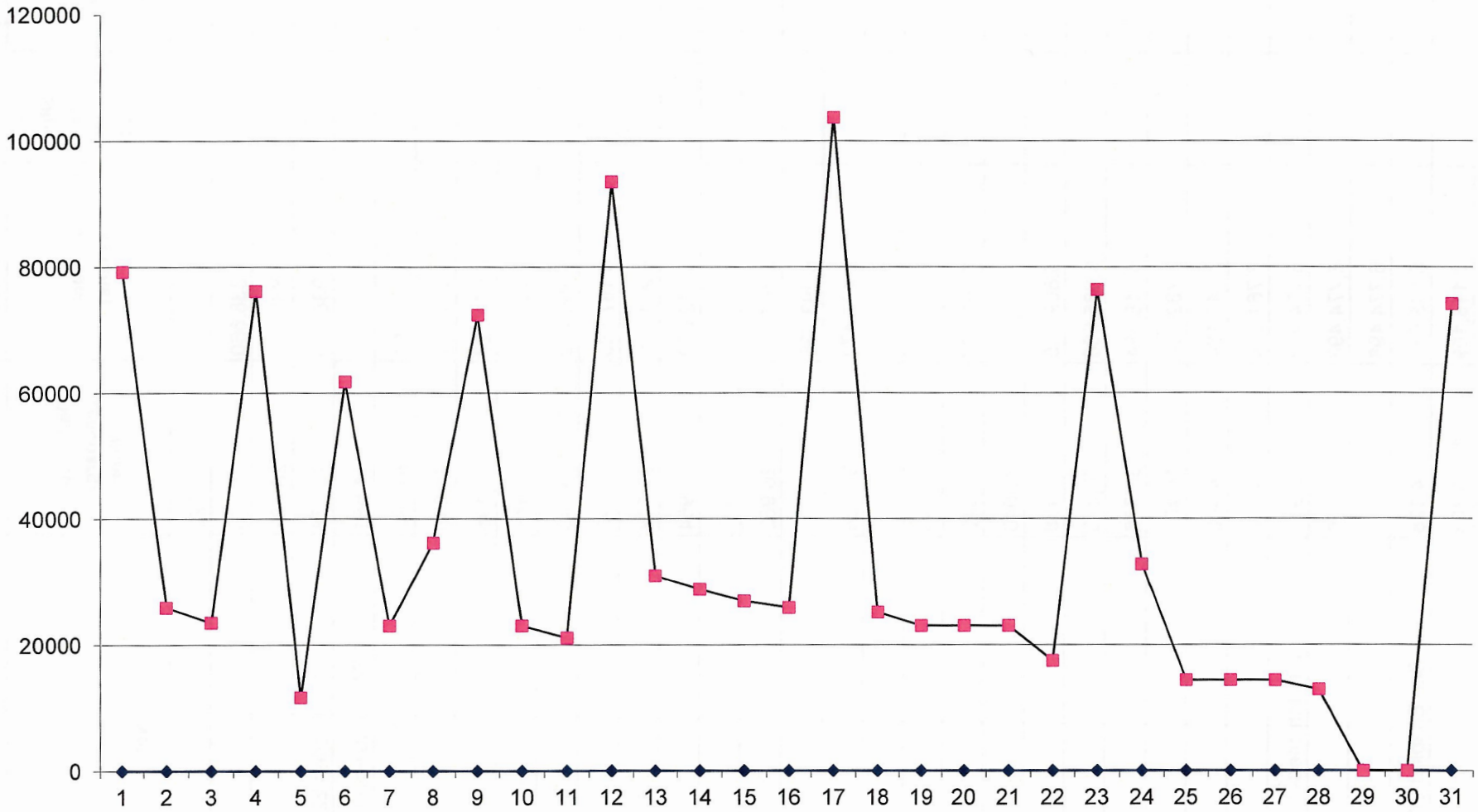
FEBRUARY
2025



2/28/2025		5,733,517	0	
Mar-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		5,812,740	79,222	
2		5,838,660	25,920	
3		5,862,142	23,482	
4		5,938,320	76,178	Site Inhibited 22:07
5		5,950,001	11,681	Site Enabled 21:33
6		6,011,791	61,790	
7		6,034,831	23,040	
8		6,071,027	36,196	
9		6,143,442	72,415	
10		6,166,482	23,040	
11		6,187,580	21,098	
12		6,281,099	93,518	
13		6,312,053	30,954	
14		6,340,853	28,800	
15		6,367,816	26,962	
16		6,393,736	25,920	
17		6,497,472	103,736	
18		6,522,667	25,195	
19		6,545,697	23,030	
20		6,568,737	23,040	
21		6,591,777	23,040	
22		6,609,235	17,458	
23		6,685,608	76,373	
24		6,718,384	32,776	
25		6,732,784	14,400	
26		6,747,184	14,400	
27		6,761,584	14,400	
28		6,774,498	12,913	Site Inhibited- 18:06
29		6,774,498	0	
30		6,774,498	0	
31		6,848,626	74,128	Site Enabled 07:16
		1,115,109	**1,115,105**	

total out month

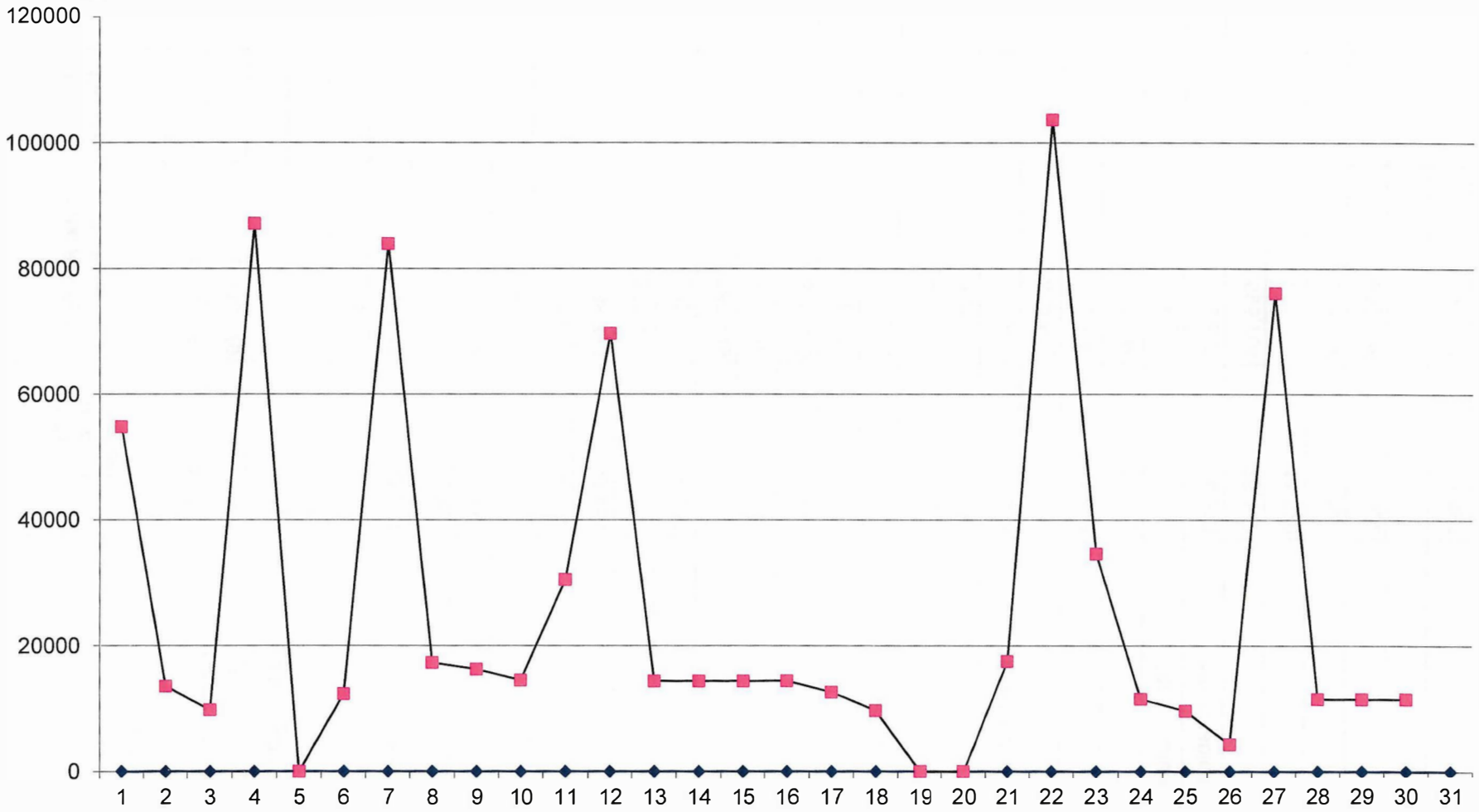
MARCH
2025


120000
100000
80000
60000
40000
20000
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

3/31/2025		6,848,626	0	
Apr-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		6,903,441	54,815	
2		6,916,979	13,538	Site Inhibited 16:04
3		6,926,792	9,813	Site Enabled 13:21
4		7,013,961	87,169	Site Inhibited 21:14
5		7,013,961	0	
6		7,026,273	12,311	Site Enabled 06:51
7		7,110,222	83,949	
8		7,127,502	17,280	
9		7,143,762	16,260	
10		7,158,275	14,513	
11		7,188,759	30,484	
12		7,258,449	69,690	
13		7,272,849	14,400	
14		7,287,249	14,400	
15		7,301,649	14,400	
16		7,316,096	14,447	EPA, NYDEC 5 year site inspection
17		7,328,710	12,613	
18		7,338,374	9,664	Site Inhibited 19:14
19		7,338,374	0	
20		7,338,374	0	
21		7,355,900	17,525	Site Enabled 19:54
22		7,459,580	103,680	
23		7,494,196	34,616	
24		7,505,716	11,520	
25		7,515,342	9,626	Site Inhibited 20:01
26		7,519,652	4,310	Site Enabled 14:58
27		7,595,764	76,112	
28		7,607,284	11,520	
29		7,618,804	11,520	
30		7,630,326	11,522	
31				
		781,700	**781,697**	

total out month

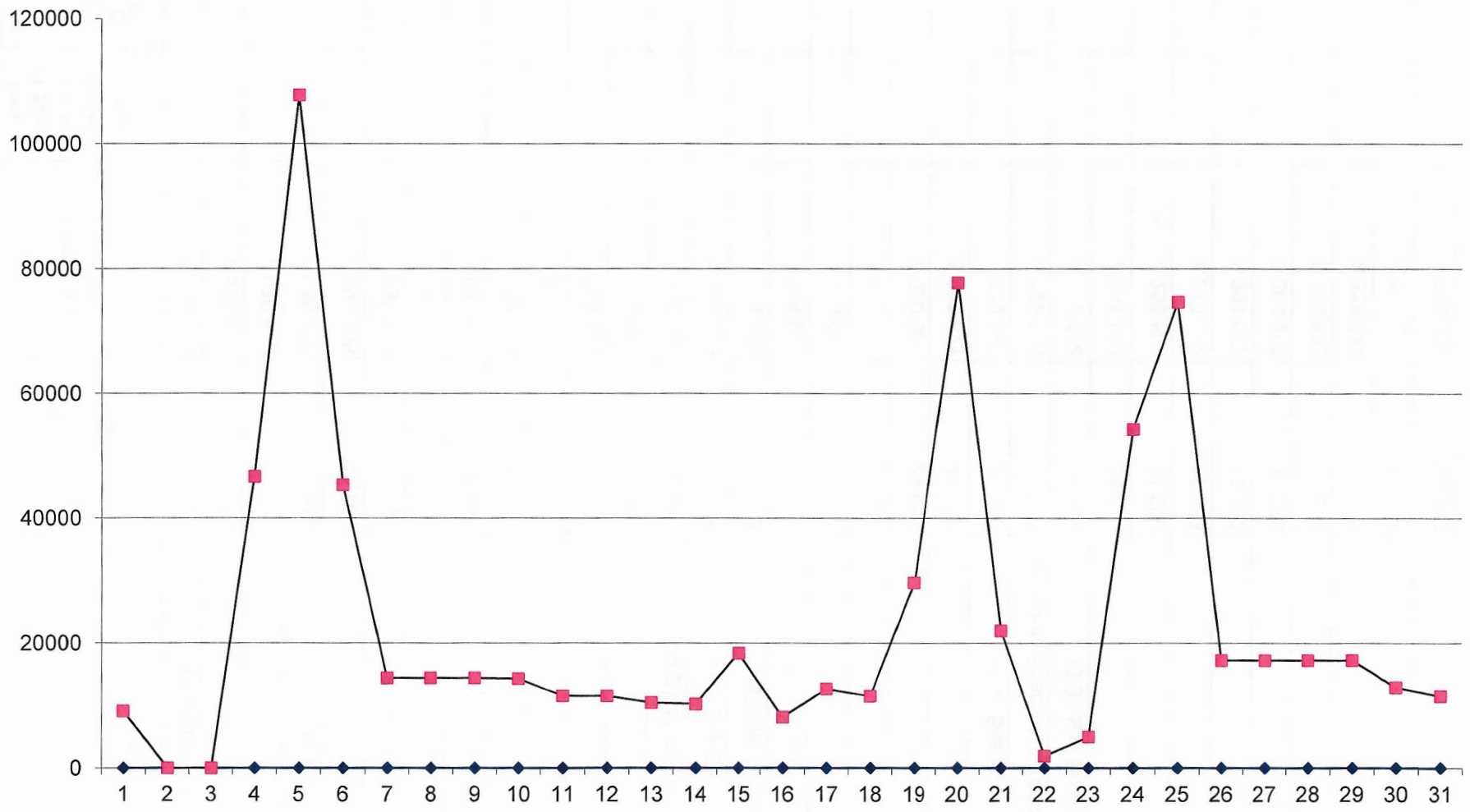
APRIL
2025


120000
100000
80000
60000
40000
20000
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

4/30/2025		7,630,326	0	
May-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		7,639,412	9,086	18:53 Site Inhibited
2		7,639,412	0	
3		7,639,412	0	
4		7,686,077	46,665	15:18 Site Enabled
5		7,793,865	107,788	21:12 Site Inhibited
6		7,839,170	45,305	9:40 Site enabled
7		7,853,570	14,400	
8		7,867,970	14,400	
9		7,882,370	14,400	
10		7,896,624	14,254	
11		7,908,144	11,520	
12		7,919,664	11,520	
13		7,930,141	10,476	Site 21:47 Site Inhibited
14		7,940,422	10,281	9:46 Site Enabled
15		7,958,835	18,413	21:53 Site Inhibited
16		7,966,985	8,149	10:13 Site Enabled
17		7,979,655	12,670	
18		7,991,175	11,520	
19		8,020,861	29,685	
20		8,098,621	77,760	
21		8,120,597	21,976	21:47 Site Inhibited
22		8,122,516	1,919	8:36 Site Enabled; 12:36 Site Inhibited
23		8,127,524	5,007	13:31 Site Enabled
24		8,181,812	54,288	
25		8,256,509	74,696	
26		8,273,792	17,283	
27		8,291,072	17,280	
28		8,308,352	17,280	
29		8,325,632	17,280	
30		8,338,544	12,912	
31		8,350,064	11,520	
		719,738	**719,733**	

total out month

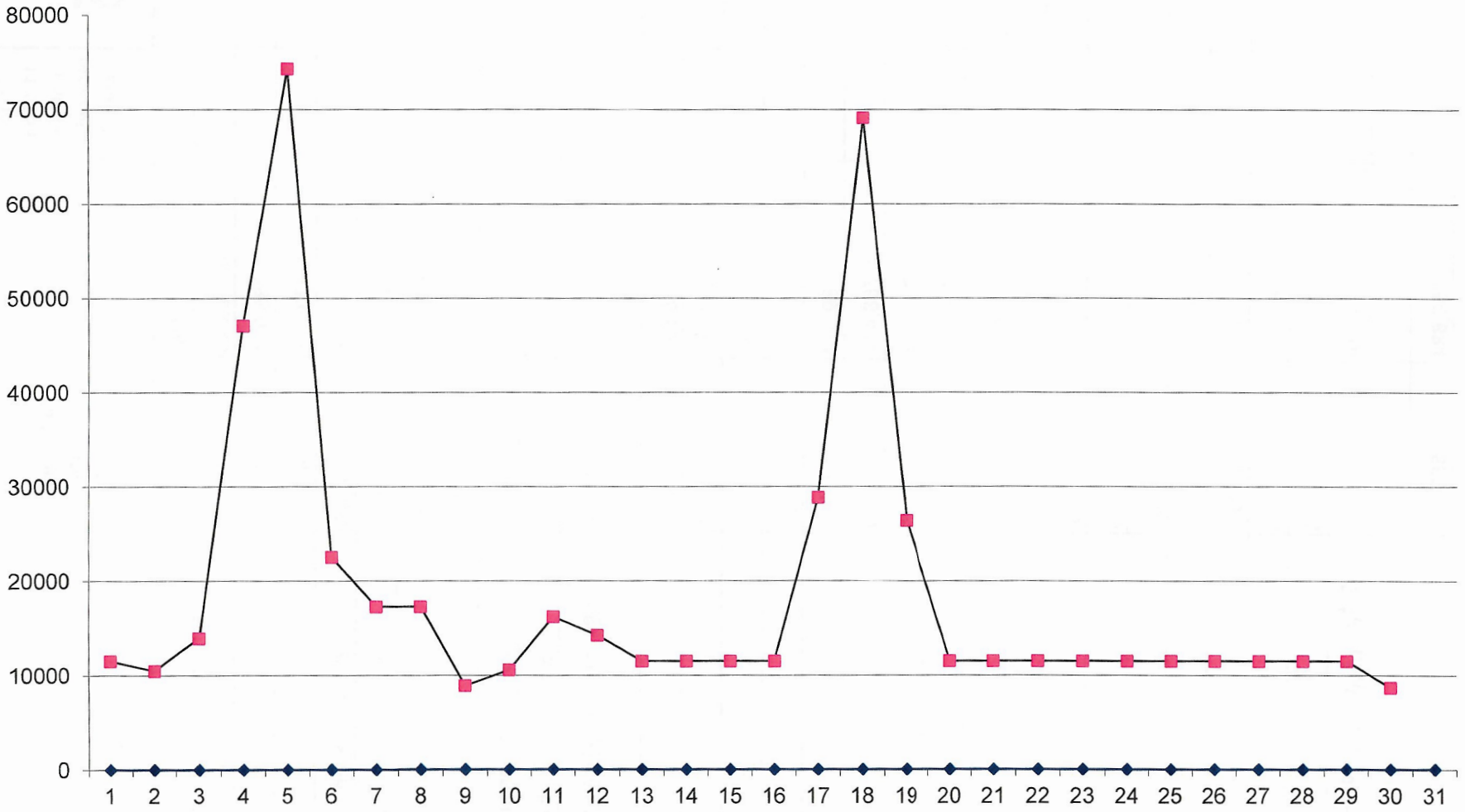
MAY
2025


120000
100000
80000
60000
40000
20000
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

5/31/2025		8,350,064	0	
Jun-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		8,361,584	11,520	
2		8,372,046	10,462	
3		8,385,974	13,927	
4		8,433,075	47,101	
5		8,507,395	74,320	22:44- Site Inhibited
6		8,529,929	22,534	8:50- Site Enabled
7		8,547,209	17,280	
8		8,564,489	17,280	
9		8,573,379	8,890	14:05- Site Inhibited
10		8,583,953	10,574	8:58- Site Enabled
11		8,600,145	16,192	Replaced leaking discharge hose on WW-5
12		8,614,373	14,228	
13		8,625,893	11,520	
14		8,637,413	11,520	
15		8,648,933	11,520	
16		8,660,453	11,520	
17		8,689,324	28,871	
18		8,758,444	69,120	
19		8,784,844	26,400	
20		8,796,364	11,520	
21		8,807,884	11,520	
22		8,819,404	11,520	
23		8,830,926	11,522	
24		8,842,446	11,520	
25		8,853,966	11,520	
26		8,865,486	11,520	
27		8,877,006	11,520	
28		8,888,526	11,520	
29		8,900,046	11,520	
30		8,908,748	8,702	Site inhibited 1805
31				
		558,684	**558,683**	

total out month

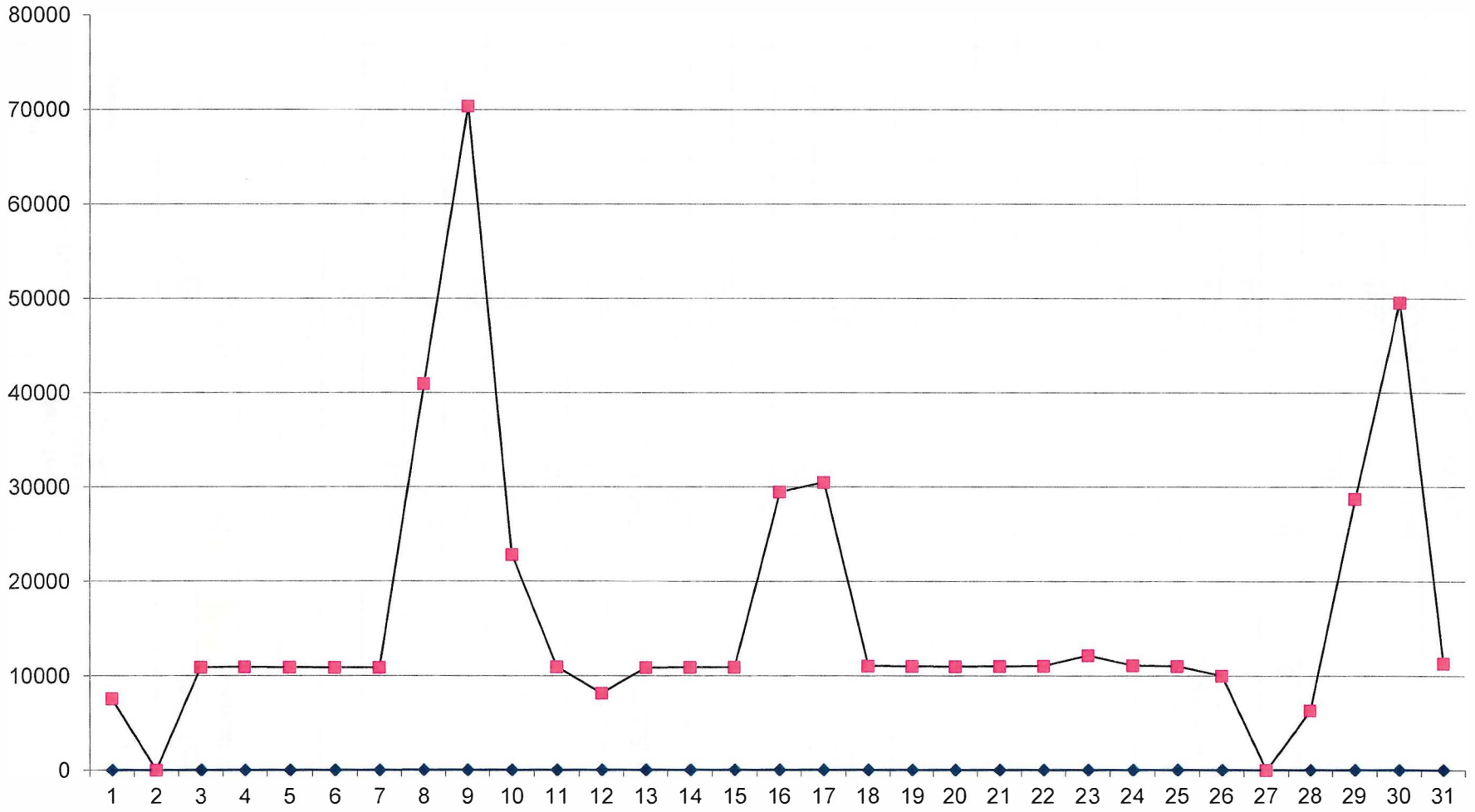
JUNE
2025


80000
70000
60000
50000
40000
30000
20000
10000
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

6/30/2025		8,908,748		
Jul-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		8,916,288	7,540	Site Enabled 8:15
2		6,756	0	**Annual Reset**
3		17,659	10,902	
4		28,590	10,930	
5		39,496	10,905	
6		50,360	10,864	
7		61,216	10,855	
8		102,163	40,946	
9		172,525	70,361	
10		195,347	22,822	
11		206,286	10,939	
12		214,428	8,141	04:11- Site inhibited, 10:09 Site enabled
13		225,280	10,852	
14		236,170	10,889	
15		247,068	10,897	
16		276,529	29,460	
17		307,004	30,475	11:38- Power failed; 11:43 Restored
18		318,046	11,041	
19		329,058	11,012	
20		340,038	10,979	
21		351,031	10,993	
22		362,073	11,042	
23		374,232	12,158	
24		385,321	11,088	
25		396,313	10,992	
26		406,312	9,998	21:44- Site Inhibited
27		406,312	0	
28		412,624	6,311	10:09- Site Enabled
29		441,361	28,737	
30		490,939	49,577	
31		502,254	11,315	
		503,038	**503,021**	

total out month

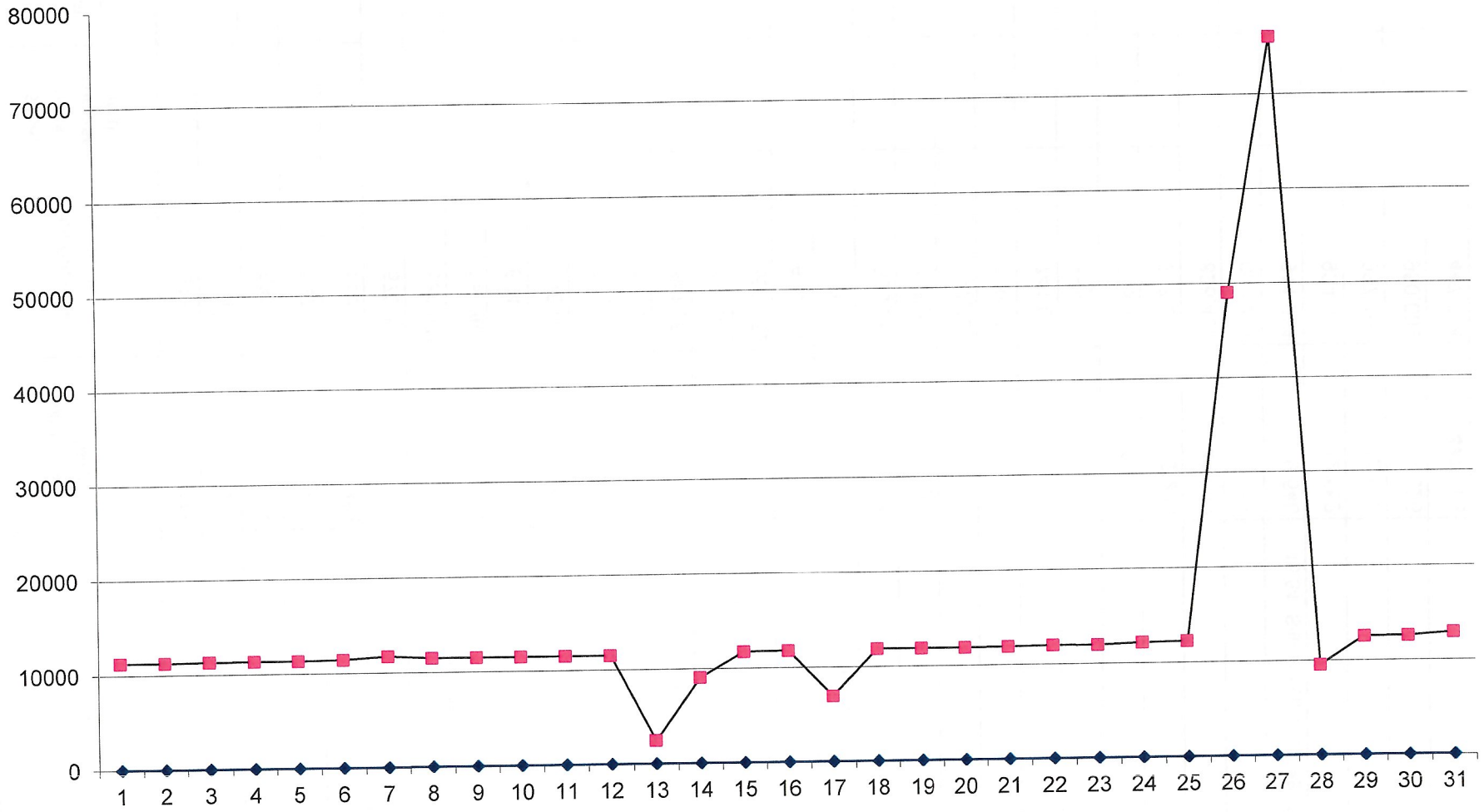
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7/31/2025		502,254		
Aug-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		513,509	11,255	
2		524,770	11,260	
3		536,079	11,308	
4		547,408	11,329	
5		558,761	11,353	
6		570,179	11,417	
7		581,915	11,736	
8		593,435	11,520	
9		604,954	11,519	
10		616,474	11,520	
11		627,994	11,520	
12		639,514	11,520	
13		641,966	2,452	5:04- Site Inhibited
14		651,033	9,066	8:46- Site Enabled
15		662,762	11,729	
16		674,558	11,795	
17		681,481	6,922	8:13- Site Inhibited; 18:10- Site Enabled
18		693,361	11,880	
19		705,241	11,880	
20		717,121	11,880	
21		729,022	11,901	
22		741,013	11,990	
23		752,986	11,972	
24		765,128	12,142	
25		777,368	12,239	
26		826,400	49,032	
27		902,421	76,021	
28		911,961	9,540	15:54- Site Inhibited; 22:46- Site Enabled
29		924,523	12,562	
30		937,106	12,582	
31		950,032	12,926	
		447,778	**447,768**	

total out month

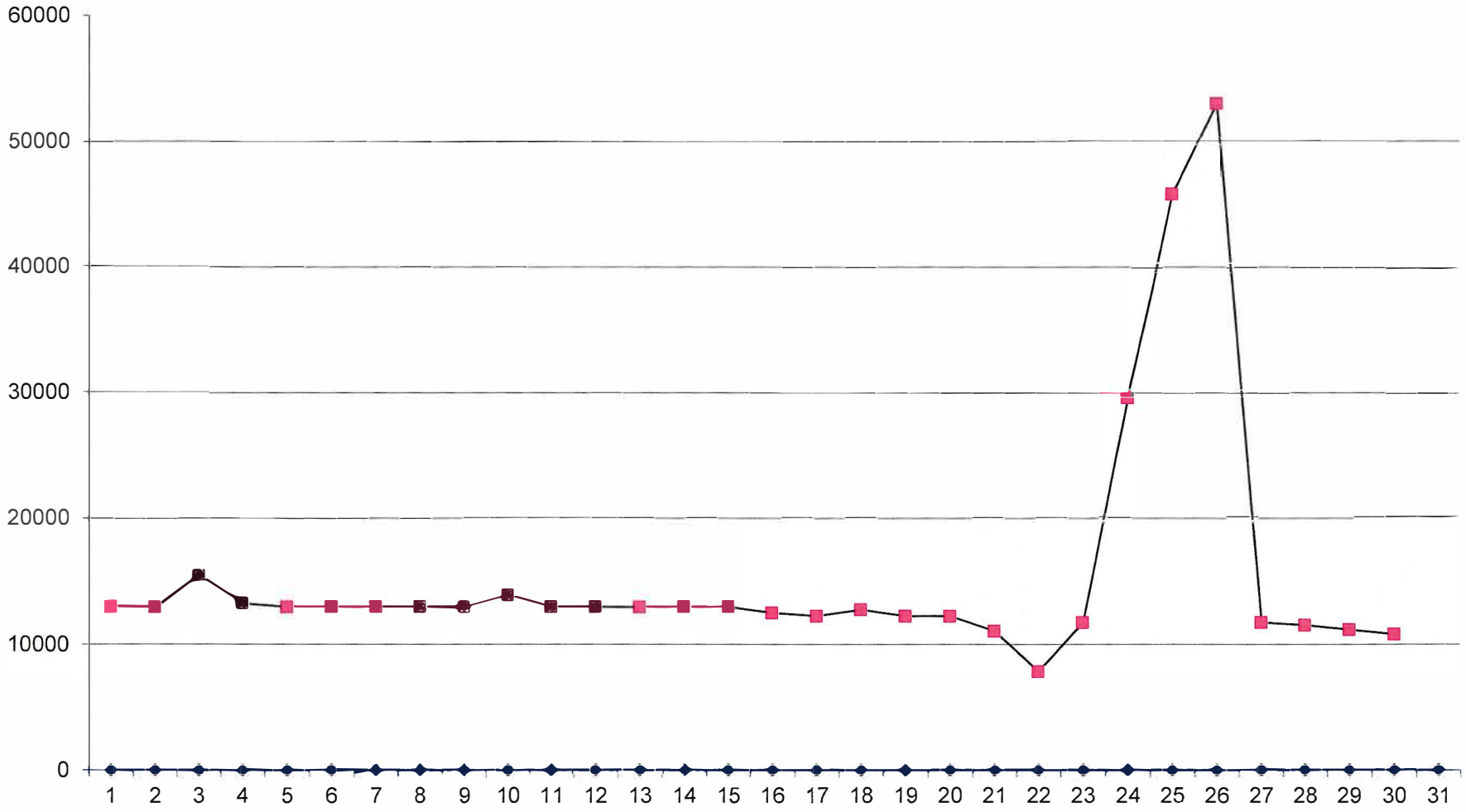
AUGUST
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8/31/2025		950,032		
Sep-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		962,986	12,953	
2		975,869	12,883	
3		991,297	15,427	
4		1,004,518	13,221	
5		1,017,478	12,960	
6		1,030,438	12,960	
7		1,043,398	12,959	
8		1,056,358	12,960	
9		1,069,318	12,960	
10		1,083,188	13,870	
11		1,096,148	12,960	
12		1,109,108	12,960	
13		1,122,068	12,960	
14		1,135,028	12,960	
15		1,147,988	12,960	
16		1,160,486	12,497	
17		1,172,726	12,240	
18		1,185,463	12,736	
19		1,197,703	12,240	
20		1,209,943	12,240	
21		1,220,991	11,048	21:47- Site Inhibited
22		1,228,849	7,857	07:55- Site Enabled
23		1,240,570	11,720	
24		1,270,145	29,574	22:25- Site Inhibited
25		1,315,956	45,811	7:15-Site Enabled; 21:44- Site Inhibited
26		1,368,943	52,987	7:08- Site Enabled
27		1,380,675	11,731	
28		1,392,195	11,520	
29		1,403,349	11,154	
30		1,414,150	10,800	
31				
		464,118	**464,108**	

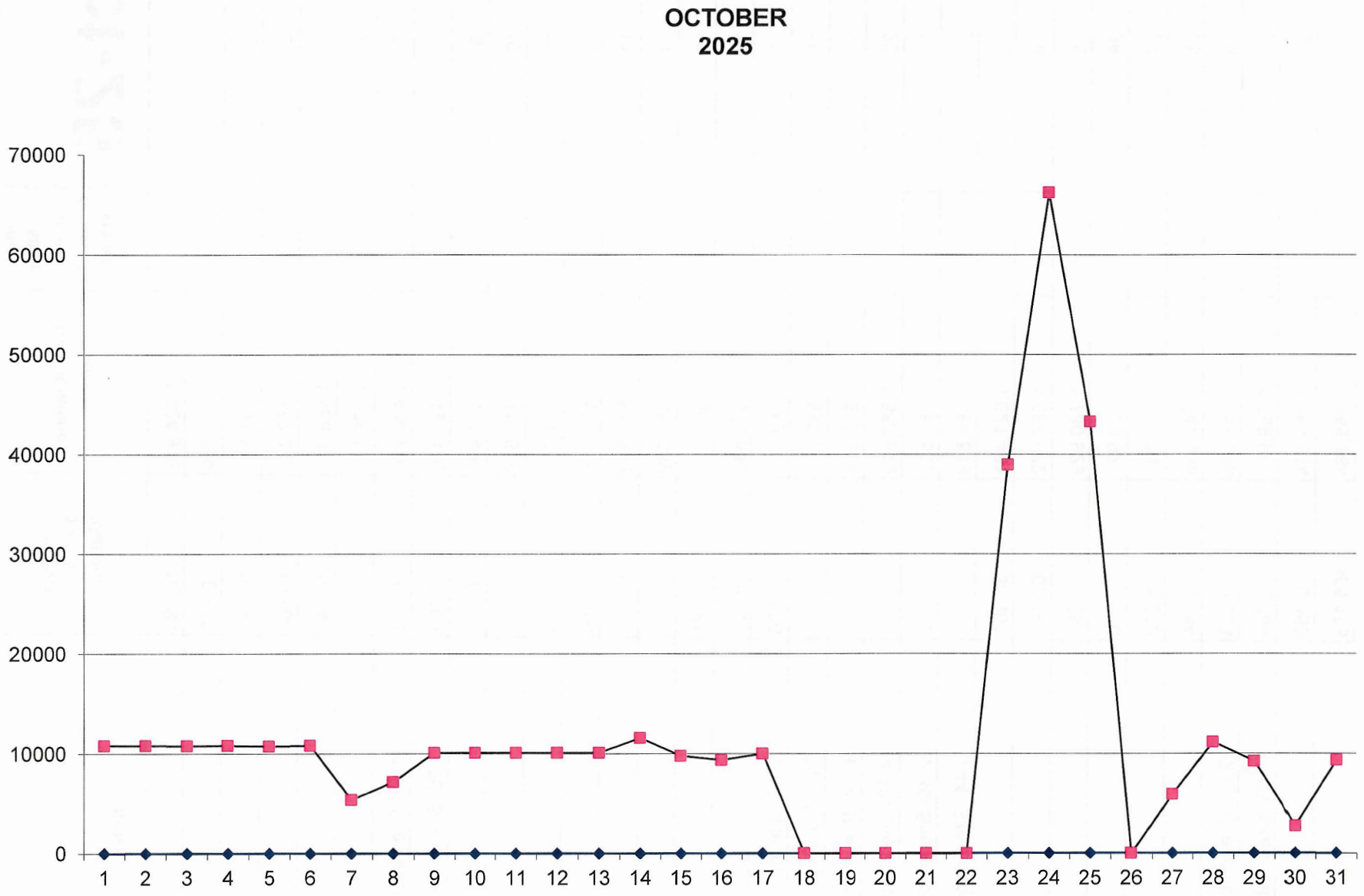
total out month

SEPTEMBER
2025



9/30/2025		1,414,150		
Oct-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		1,424,949	10,799	
2		1,435,749	10,800	
3		1,446,533	10,784	
4		1,457,333	10,800	
5		1,468,074	10,741	
6		1,478,872	10,797	
7		1,484,246	5,374	11:58- Site inhibited
8		1,491,416	7,169	7:26- Site enabled
9		1,501,498	10,082	
10		1,511,578	10,080	
11		1,521,658	10,080	
12		1,531,738	10,080	
13		1,541,818	10,080	
14		1,553,389	11,570	
15		1,563,171	9,781	
16		1,572,532	9,361	
17		1,582,519	9,986	22:42- Site inhibited
18		1,582,519	0	7:28- Site Enabled
19		1,582,519	0	16:14- Site inhibited
20		1,582,519	0	14:30- Site Enabled
21		1,582,519	0	22:35- Site inhibited
22		1,582,519	0	9:44- Site Enabled
23		1,621,481	38,961	
24		1,687,672	66,191	
25		1,730,929	43,256	
26		1,730,929	0	
27		1,736,841	5,912	
28		1,747,985	11,144	
29		1,757,209	9,223	22:00- Site Inhibited
30		1,759,954	2,744	17:03- Site Enabled
31		1,769,314	9,360	
		355,164	**355,155**	

total out month

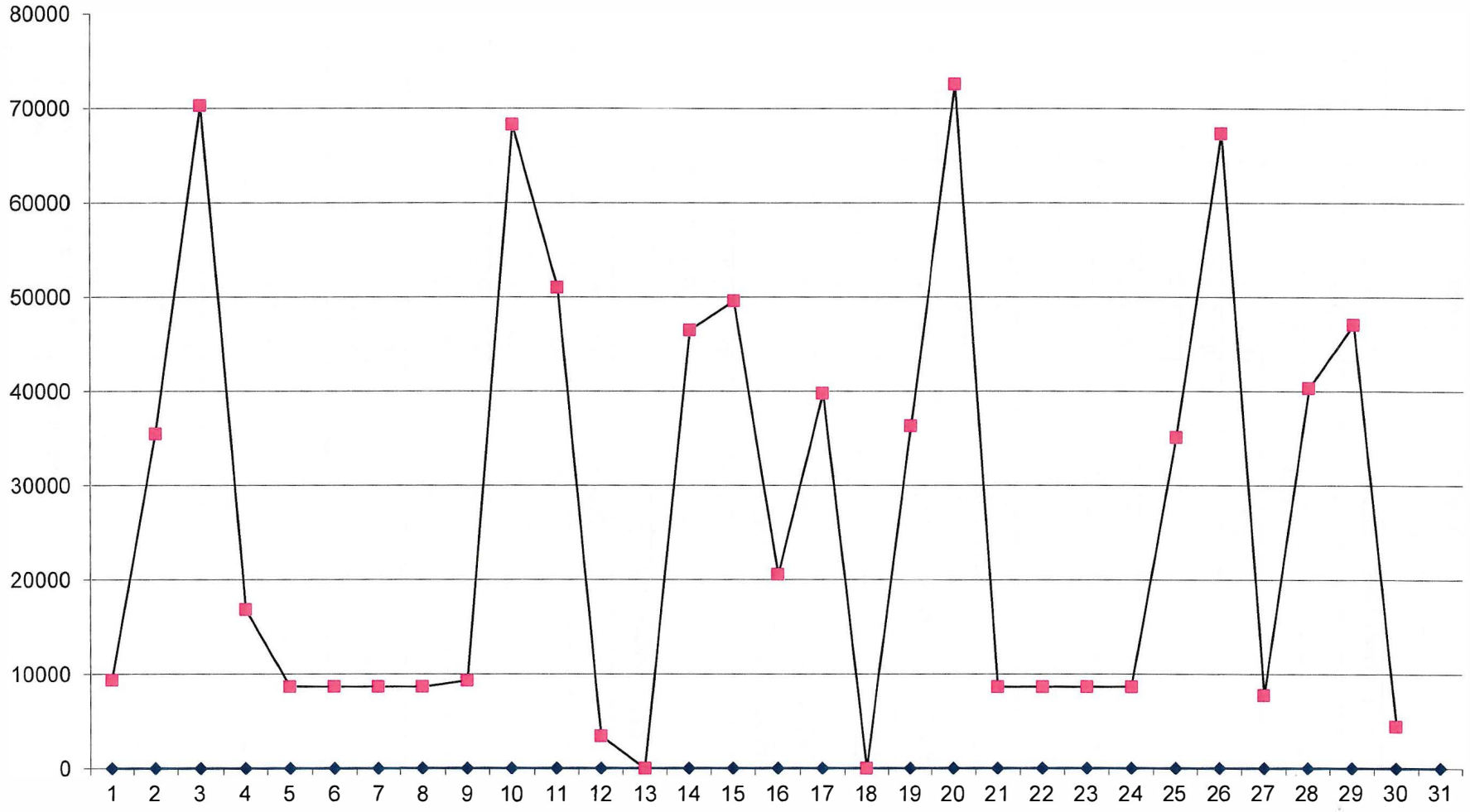

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10/31/2025		1,769,314		
Nov-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		1,778,674	9,360	
2		1,814,140	35,466	
3		1,884,406	70,266	
4		1,901,238	16,832	
5		1,909,878	8,640	
6		1,918,518	8,640	
7		1,927,158	8,640	
8		1,935,799	8,641	
9		1,945,113	9,313	
10		2,013,390	68,277	
11		2,064,382	50,992	
12		2,067,791	3,408	Site inhibited- 09:52, Site Enabled- 18:14
13		2,067,791	0	
14		2,114,266	46,474	
15		2,163,841	49,574	Site inhibited- 18:19
16		2,184,395	20,554	Site enabled- 15:08
17		2,224,173	39,777	
18		2,224,173	0	
19		2,260,496	36,323	Reattached discharge hose on WW#6
20		2,333,046	72,549	
21		2,341,686	8,640	
22		2,350,326	8,640	
23		2,358,966	8,640	
24		2,367,606	8,640	
25		2,402,697	35,091	
26		2,470,030	67,332	
27		2,477,774	7,743	
28		2,518,087	40,313	
29		2,565,167	47,080	
30		2,569,587	4,420	Site inhibited- 14:42; Site enabled- 18:36
31				
		800,273	**800,265**	

total out month

NOVEMBER

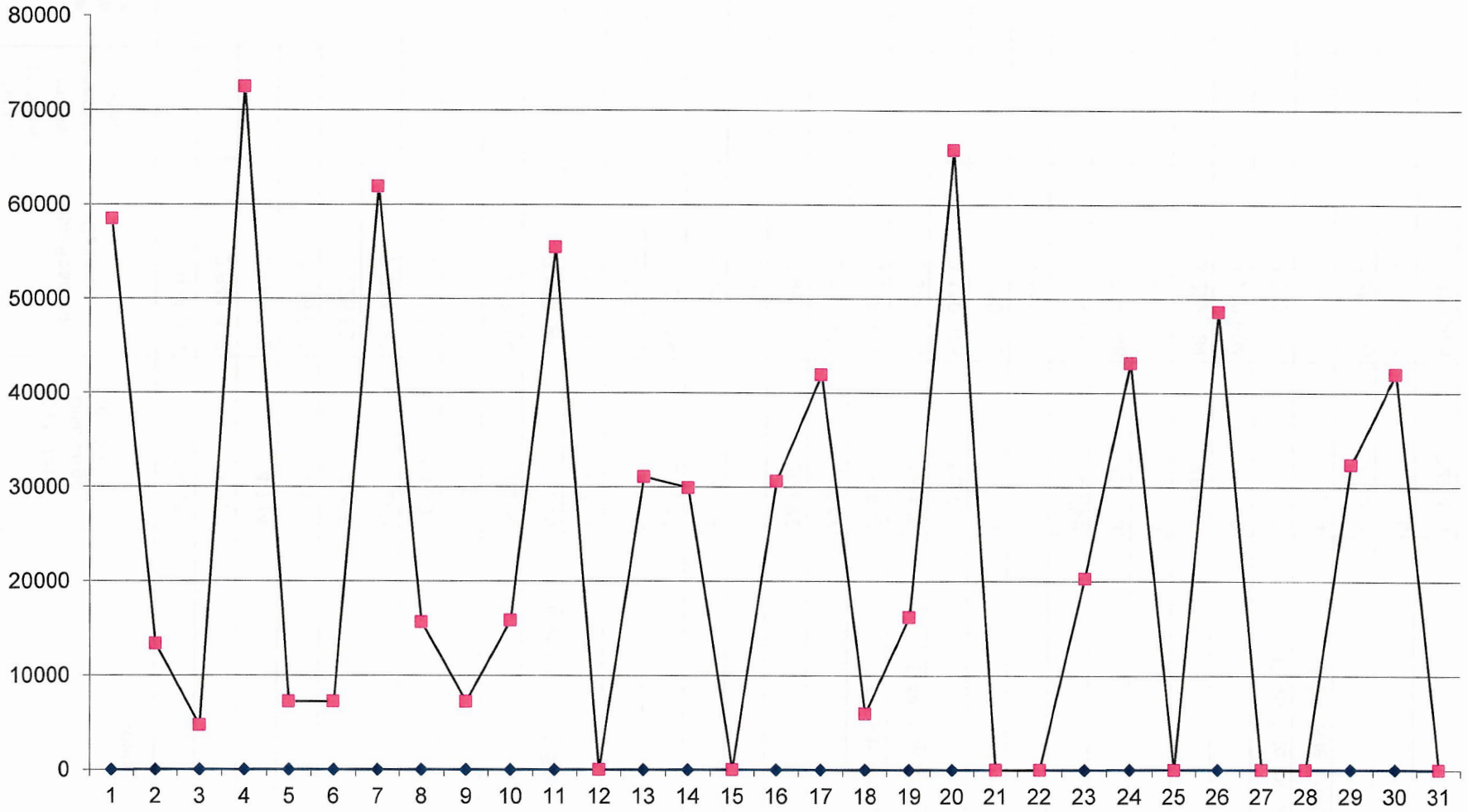
2025



11/30/2025		2,569,587		
Dec-25	**Time; 11:58pm unless otherwise stated**	**Total Reading (Gallons)**	**Daily Total Discharge (Gallons)**	**Notes**
1		2,628,064	58,477	
2		2,641,437	13,372	
3		2,646,152	4,714	
4		2,718,628	72,476	
5		2,725,837	7,208	
6		2,733,037	7,200	
7		2,794,945	61,908	
8		2,810,594	15,649	
9		2,817,794	7,200	
10		2,833,640	15,845	Site inhibited- 10:27; Site enabled- 20:39
11		2,889,112	55,472	
12		2,889,112	0	
13		2,920,199	31,086	
14		2,950,103	29,904	
15		2,950,103	0	
16		2,980,725	30,622	
17		3,022,672	41,947	
18		3,028,623	5,950	17:31- Site inhibited
19		3,044,799	16,176	19:44- Site Enabled
20		3,110,575	65,776	
21		3,110,575	0	
22		3,110,575	0	
23		3,130,874	20,299	
24		3,174,048	43,173	
25		3,174,048	0	
26		3,222,694	48,646	
27		3,222,694	0	
28		3,222,694	0	15:45- Site Inhibited
29		3,255,079	32,384	15:23- Site Enabled
30		3,297,068	41,989	
31		3,297,068	0	
		727,481	**727,473**	

total out month

DECEMBER
2025



Appendix C Hydraulic Monitoring Tables

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
GW-01D	1073088.634	1117968.213	694.41	696.12	3/19/2025	2.55	693.57	
					5/21/2025	3.13	692.99	
					6/17/2025	3.38	692.74	
					9/15/2025	4.74	691.38	
					12/3/2025	3.24	692.88	
GW-01S	1073087.779	1117961.500	694.53	696.19	3/19/2025	3.50	692.69	
					5/21/2025	4.27	691.92	
					6/17/2025	4.94	691.25	
					9/15/2025	7.34	688.85	
					12/3/2025	3.81	692.38	
GW-03D	1073819.106	1114602.426	692.35	693.88	3/19/2025	1.57	692.31	
					5/21/2025	1.85	692.03	
					6/17/2025	1.91	691.97	
					9/15/2025	2.44	691.44	
					12/3/2025	1.60	692.28	
GW-03S	1073812.622	1114605.762	692.61	693.80	3/19/2025	2.16	691.64	
					5/21/2025	3.11	690.69	
					6/17/2025	3.93	689.87	
					9/15/2025	NM	-	Dry
					12/3/2025	NM	-	Dry at 13.55 ft
GW-04D	1072289.432	1114685.625	690.89	692.75	3/19/2025	11.84	680.91	
					5/21/2025	11.83	680.92	
					6/17/2025	12.15	680.60	
					9/15/2025	13.41	679.34	
					12/3/2025	12.37	680.38	

NM - No Measurement
NA - not available

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
GW-04S	1072284.456	1114685.127	690.76	692.72	3/19/2025	3.97	688.75	
					5/21/2025	4.53	688.19	
					6/17/2025	4.94	687.78	
					9/15/2025	8.38	684.34	
					12/3/2025	5.22	687.50	
GW-07D	1071242.458	1117669.925	697.15	699.94	3/19/2025	48.93	651.01	
					5/21/2025	44.80	655.14	
					6/17/2025	57.97	641.97	
					9/15/2025	51.23	648.71	
					12/3/2025	46.51	653.43	
GW-07S	1071238.157	1117666.265	697.47	699.51	3/19/2025	4.28	695.23	
					5/21/2025	5.04	694.47	
					6/17/2025	5.45	694.06	
					9/15/2025	8.07	691.44	
					12/3/2025	5.63	693.88	
GW-08D	1073713.617	1116795.328	695.28	697.79	3/19/2025	5.49	692.30	
					5/21/2025	5.86	691.93	
					6/17/2025	5.94	691.85	
					9/15/2025	6.48	691.31	
					12/3/2025	5.51	692.28	
GW-08SR	1073714.172	1116786.343	695.08	697.50	3/19/2025	5.04	692.46	
					5/21/2025	6.02	691.48	
					6/17/2025	5.55	691.95	
					9/15/2025	6.42	691.08	
					12/3/2025	5.14	692.36	

NM - No Measurement
NA - not available

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
GW-26D	1071698.573	1115997.470	696.01	698.50	3/19/2025	6.37	692.13	
					5/21/2025	6.70	691.80	
					6/17/2025	6.76	691.74	
					9/15/2025	7.30	691.20	
					12/3/2025	6.40	692.10	
GW-28S	1073129.479	1117648.927	698.60	700.95	3/19/2025	7.87	693.08	
					5/21/2025	9.25	691.70	
					6/17/2025	9.58	691.37	
					9/15/2025	11.56	689.39	
					12/3/2025	9.14	691.81	
GW-29S	1072552.638	1117761.993	697.50	699.63	3/19/2025	6.06	693.57	
					5/21/2025	8.69	690.94	
					6/17/2025	9.07	690.56	
					9/15/2025	10.64	688.99	
					12/3/2025	8.11	691.52	
GW-30S	1072096.109	1117743.563	693.67	696.58	3/19/2025	7.29	689.29	
					5/21/2025	7.61	688.97	
					6/17/2025	7.64	688.94	
					9/15/2025	8.26	688.32	
					12/3/2025	7.48	689.10	
GW-31S	1071786.280	1117191.441	695.84	698.62	3/19/2025	2.62	696.00	
					5/21/2025	3.44	695.18	
					6/17/2025	4.43	694.19	
					9/15/2025	8.51	690.11	
					12/3/2025	5.74	692.88	

NM - No Measurement
NA - not available

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
GW-32S	1071613.793	1116364.200	696.19	698.37	3/19/2025	2.50	695.87	
					5/21/2025	3.90	694.47	
					6/17/2025	4.54	693.83	
					9/15/2025	7.36	691.01	
					12/3/2025	3.83	694.54	
GW-33S	1072165.625	1115561.866	695.94	698.24	3/19/2025	3.73	694.51	
					5/21/2025	3.65	694.59	
					6/17/2025	5.63	692.61	
					9/15/2025	NM	-	Dry
					12/3/2025	3.70	694.54	
GW-34S	1072979.205	1114730.200	692.51	694.77	3/19/2025	2.65	692.12	
					5/21/2025	3.46	691.31	
					6/17/2025	4.07	690.70	
					9/15/2025	9.88	684.89	
					12/3/2025	3.35	691.42	
GW-35S	1071701.925	1115985.585	696.19	697.39	3/19/2025	3.36	694.03	
					5/21/2025	5.26	692.13	
					6/17/2025	4.48	692.91	
					9/15/2025	7.17	690.22	
					12/3/2025	5.25	692.14	
MH-01	1073806.665	1114810.501	698.62	698.62	3/19/2025	10.12	688.50	
					5/21/2025	10.25	688.37	
					6/17/2025	9.40	689.22	
					9/15/2025	9.66	688.96	
					12/3/2025	10.14	688.48	

NM - No Measurement
NA - not available

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
MH-03	1073736.789	1115259.334	699.40	699.40	3/19/2025	11.02	688.38	
					5/21/2025	11.13	688.27	
					6/17/2025	10.29	689.11	
					9/15/2025	10.51	688.89	
					12/3/2025	11.01	688.39	
MH-07	1073838.229	1116243.757	696.82	696.82	3/19/2025	9.25	687.57	
					5/21/2025	9.40	687.42	
					6/17/2025	8.51	688.31	
					9/15/2025	8.72	688.10	
					12/3/2025	9.22	687.60	
MH-10	1073540.729	1117381.524	703.01	703.01	3/19/2025	14.44	688.57	
					5/21/2025	14.51	688.50	
					6/17/2025	14.52	688.49	
					9/15/2025	14.57	688.44	
					12/3/2025	14.56	688.45	
MH-15	1072531.567	1117761.125	699.02	699.02	3/19/2025	13.96	685.06	
					5/21/2025	11.75	687.27	
					6/17/2025	12.10	686.92	
					9/15/2025	13.22	685.80	
					12/3/2025	11.75	687.27	
MH-16	1072133.714	1117748.238	698.57	698.57	3/19/2025	13.78	684.79	
					5/21/2025	11.30	687.27	
					6/17/2025	11.69	686.88	
					9/15/2025	12.76	685.81	
					12/3/2025	11.28	687.29	

NM - No Measurement
NA - not available

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
MH-17	1071813.137	1117180.019	702.16	702.16	3/19/2025	17.46	684.70	
					5/21/2025	14.91	687.25	
					6/17/2025	15.27	686.89	
					9/15/2025	16.35	685.81	
					12/3/2025	14.90	687.26	
MH-20	1071756.395	1115997.024	706.20	706.20	3/19/2025	19.72	686.48	
					5/21/2025	19.00	687.20	
					6/17/2025	19.20	687.00	
					9/15/2025	19.71	686.49	
					12/3/2025	18.88	687.32	
MH-22	1072158.023	1115589.309	698.05	698.05	3/19/2025	8.97	689.08	
					5/21/2025	8.99	689.06	
					6/17/2025	8.89	689.16	
					9/15/2025	9.00	689.05	
					12/3/2025	9.02	689.03	
MH-25	1072483.928	1114820.313	698.17	698.17	3/19/2025	9.72	688.45	
					5/21/2025	9.84	688.33	
					6/17/2025	9.03	689.14	
					9/15/2025	9.24	688.93	
					12/3/2025	9.75	688.42	
SG-01	1073882.887	1114813.101	NA	690.00	3/19/2025	-0.79	690.79	
					5/21/2025	NM	-	Dry at -0.80 ft
					6/17/2025	NM	-	Dry at -0.80 ft
					9/15/2025	NM	-	Dry
					12/3/2025	-0.77	690.77	

NM - No Measurement
NA - not available

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
SG-02	1073738.270	1116805.850	NA	690.00	3/19/2025	-3.40	693.40	
					5/21/2025	-3.36	693.36	
					6/17/2025	-3.30	693.30	
					9/15/2025	NM	-	Dry
					12/3/2025	-3.32	693.32	
WW-01	1073676.903	1115710.476	NA	684.02	3/19/2025	-4.20	688.22	
					5/21/2025	-4.10	688.12	
					6/17/2025	-5.00	689.02	
					9/15/2025	-4.70	688.72	
					12/3/2025	-4.30	688.32	
WW-02	1073684.724	1116792.311	NA	684.18	3/19/2025	-4.70	688.88	
					5/21/2025	-4.70	688.88	
					6/17/2025	-4.70	688.88	
					9/15/2025	-4.60	688.78	
					12/3/2025	-4.60	688.78	
WW-03	1073140.339	1117618.499	NA	683.80	3/19/2025	-4.77	688.57	
					5/21/2025	-4.80	688.60	
					6/17/2025	-4.67	688.47	
					9/15/2025	-4.53	688.33	
					12/3/2025	-4.73	688.53	
WW-04	1072057.563	1117610.508	NA	676.62	3/19/2025	-7.50	684.12	
					5/21/2025	-10.10	686.72	
					6/17/2025	-9.80	686.42	
					9/15/2025	-8.70	685.32	
					12/3/2025	-10.20	686.82	

NM - No Measurement
NA - not available

TABLE C-1
PFOHL BROTHERS LANDFILL SITE
GROUNDWATER ELEVATIONS
JANUARY - DECEMBER 2025

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser) Elev.(ft)	Date	Depth to Water (ft)	Water Elev. (ft)	Remarks
WW-05	1071661.368	1116370.876	NA	676.14	3/19/2025	-7.00	683.14	
					5/21/2025	-10.10	686.24	
					6/17/2025	-9.90	686.04	
					9/15/2025	-8.70	684.84	
					12/3/2025	-10.50	686.64	
WW-06	1072988.420	1114811.518	NA	681.89	3/19/2025	-7.10	688.99	
					5/21/2025	-7.00	688.89	
					6/17/2025	-7.60	689.49	
					9/15/2025	-7.50	689.39	
					12/3/2025	-7.30	689.19	

NM - No Measurement
NA - not available

TABLE C-2
PFOHL BROTHERS LANDFILL SITE
OVERBURDEN HYDRAULIC GRADIENT

WELL PAIR:	WW-1	*	Level	WW-2	GW-8SR	Level	WW-2	SG-02	Level
	Water Level	Water Level	Difference	Water Level	Water Level	Difference	Water Level	Water Level	Difference
DATE	(ft amsl)	(ft amsl)	(ft)	(ft amsl)	(ft amsl)	(ft)	(ft amsl)	(ft amsl)	(ft)
3/19/2025	688.22	---	---	688.88	692.46	3.58	688.88	693.40	4.52
5/21/2025	688.12	---	---	688.88	691.48	2.60	688.88	693.36	4.48
6/17/2025	689.02	---	---	688.88	691.95	3.07	688.88	693.30	4.42
9/15/2025	688.72	---	---	688.78	691.08	2.30	688.78	DRY	NA
12/3/2025	688.32	---	---	688.78	692.36	3.58	688.78	693.32	4.54

WELL PAIR:	WW-3	GW-28S	Level	WW-4	*	Level
	Water Level	Water Level	Difference	Water Level	Water Level	Difference
DATE	(ft amsl)	(ft amsl)	(ft)	(ft amsl)	(ft amsl)	(ft)
3/19/2025	688.57	693.08	4.51	684.12	---	---
5/21/2025	688.60	691.70	3.10	686.72	---	---
6/17/2025	688.47	691.37	2.90	686.42	---	---
9/15/2025	688.33	689.39	1.06	685.32	---	---
12/3/2025	688.53	691.81	3.28	686.82	---	---

WELL PAIR:	WW-5	GW-32S	Level	WW-6	GW-34S	Level
	Water Level	Water Level	Difference	Water Level	Water Level	Difference
DATE	(ft amsl)	(ft amsl)	(ft)	(ft amsl)	(ft amsl)	(ft)
3/19/2025	683.14	695.87	12.73	688.99	692.12	3.13
5/21/2025	686.24	694.47	8.23	688.89	691.31	2.42
6/17/2025	686.04	693.83	7.79	689.49	690.70	1.21
9/15/2025	684.84	691.01	6.17	689.39	684.89	-4.50
12/3/2025	686.64	694.54	7.90	689.19	691.42	2.23

WELL PAIR:	MH-1	SG-1	Level	MH-15	GW-29S	Level
	Water Level	Water Level	Difference	Water Level	Water Level	Difference
DATE	(ft amsl)	(ft amsl)	(ft)	(ft amsl)	(ft amsl)	(ft)
3/19/2025	688.50	690.79	2.29	685.06	693.57	8.51
5/21/2025	688.37	DRY	NA	687.27	690.94	3.67
6/17/2025	689.22	DRY	NA	686.92	690.56	3.64
9/15/2025	688.96	DRY	NA	685.80	688.99	3.19
12/3/2025	688.48	690.77	2.29	687.27	691.52	4.25

WELL PAIR:	MH-16	GW-30S	Level	MH-17	GW-31S	Level
	Water Level	Water Level	Difference	Water Level	Water Level	Difference
DATE	(ft amsl)	(ft amsl)	(ft)	(ft amsl)	(ft amsl)	(ft)
3/19/2025	684.79	689.29	4.50	684.70	696.00	11.30
5/21/2025	687.27	688.97	1.70	687.25	695.18	7.93
6/17/2025	686.88	688.94	2.06	686.89	694.19	7.30
9/15/2025	685.81	688.32	2.51	685.81	690.11	4.30
12/3/2025	687.29	689.10	1.81	687.26	692.88	5.62

WELL PAIR:	MH-20	GW-35S	Level	MH-22	GW-33S	Level
	Water Level	Water Level	Difference	Water Level	Water Level	Difference
DATE	(ft amsl)	(ft amsl)	(ft)	(ft amsl)	(ft amsl)	(ft)
3/19/2025	686.48	694.03	7.55	689.08	694.51	5.43
5/21/2025	687.20	692.13	4.93	689.06	694.59	5.53
6/17/2025	687.00	692.91	5.91	689.16	692.61	3.45
9/15/2025	686.49	690.22	3.73	689.05	DRY	NA
12/3/2025	687.32	687.32	0.00	689.03	694.54	5.51

Notes:

* = No corresponding monitoring well.
NA = Not applicable

Appendix D Groundwater Purge and Sample Collection Logs

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-01D-250521	Date:	5/21/2025 4:50:00 PM
Well ID:	GW-01D	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/21/2025 3:50:00 PM	Measured Well Depth:	39.65
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.13	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/21/2025 3:50:00 PM	End Date and Time:	5/21/2025 4:50:00 PM
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
3:50 PM	0	800	10.36	7.77	1353.85	3.89	-73.2	21.50	3.13	Clear	None
3:55 PM	4	800	10.31	7.81	1356.98	0.00	-75.3	11.26	3.16	Clear	None
4:00 PM	8	800	10.22	7.80	1357.92	0.00	-75.5	11.77	3.16	Clear	None
4:05 PM	12	800	10.14	7.84	1356.14	0.00	-77.1	8.65	3.16	Clear	None
4:10 PM	16	800	10.10	7.82	1356.19	0.00	-93.9	5.89	3.16	Clear	None
4:15 PM	20	800	10.03	7.76	1354.24	0.00	-120.6	7.01	3.16	Clear	None
4:20 PM	24	800	9.99	7.70	1350.07	0.00	-132.8	6.95	3.16	Clear	None
4:25 PM	28	800	9.93	7.64	1352.10	0.00	-144.8	6.15	3.16	Clear	None
4:30 PM	32	800	9.93	7.63	1348.79	0.00	-153.0	4.28	3.16	Clear	None
4:35 PM	36	800	9.94	7.65	1346.58	0.00	-160.8	3.33	3.16	Clear	None
4:40 PM	40	800	9.95	7.61	1349.60	0.00	-166.5	3.30	3.16	Clear	None
4:45 PM	44	800	9.90	7.59	1349.77	0.00	-171.0	2.93	3.16	Clear	None
4:50 PM	48	800	9.94	7.60	1349.25	0.00	-175.7	3.36	3.16	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-01S-250521	Date:	5/21/2025 3:40:00 PM
Well ID:	GW-01S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs. SVOCs, Metals		
Comments:			

Water Level			
Date:	5/21/2025 2:54:00 PM	Measured Well Depth:	14.94
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.27	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/21/2025 3:00:00 PM	End Date and Time:	5/21/2025 3:40:00 PM
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
3:00 PM	0	200	10.37	7.47	314.20	9.57	-101.4	1.22	4.92	Red	None
3:05 PM	1	200	9.85	7.13	1451.84	0.26	-96.9	965.04	5.10	Red	None
3:10 PM	2	200	9.79	7.10	1445.79	0.14	-98.1	516.06	5.20	Red	None
3:15 PM	3	200	9.74	7.07	1436.42	0.08	-97.8	294.47	5.22	Red	None
3:20 PM	4	200	9.71	7.07	1440.78	0.04	-98.3	181.59	5.25	Red	None
3:25 PM	5	200	9.73	7.07	1439.02	0.04	-99.2	159.41	5.25	Red	None
3:30 PM	6	200	9.68	7.09	1445.71	0.04	-99.8	113.90	5.25	Red	None
3:35 PM	7	200	9.67	7.09	1448.77	0.03	-100.2	110.01	5.25	Red	None
3:40 PM	8	200	9.67	7.10	1448.25	0.02	-100.7	100.67	5.25	Red	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-03D-250522	Date:	5/22/2025 12:35:00 PM
Well ID:	GW-03D	Location Type:	MONITORING WELL
Duplicate ID:	FD-250522	Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/22/2025 11:23:00 AM	Measured Well Depth:	35.70
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	1.50	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/22/2025 11:35:00 AM	End Date and Time:	5/22/2025 12:35:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
11:35 AM	0	800	9.59	7.15	2299.16	0.07	-24.4	1.63	1.50	Clear	None
11:40 AM	4	800	9.54	7.14	2295.86	0.00	-32.3	1.56	1.50	Clear	None
11:45 AM	8	800	9.54	7.13	2296.06	0.00	-35.2	14.04	1.50	Clear	None
11:50 AM	12	800	9.52	7.12	2300.55	0.00	-36.8	6.35	1.50	Clear	None
11:55 AM	16	800	9.52	7.11	2299.25	0.00	-37.7	9.99	1.50	Clear	None
12:00 PM	20	800	9.52	7.12	2310.74	0.00	-38.6	2.23	1.50	Clear	None
12:05 PM	24	800	9.51	7.13	2301.45	0.00	-39.2	2.39	1.50	Clear	None
12:10 PM	28	800	9.52	7.14	2301.83	0.00	-39.8	2.00	1.50	Clear	None
12:15 PM	32	800	9.51	7.10	2302.03	0.00	-40.1	8.26	1.50	Clear	None
12:20 PM	36	800	9.52	7.13	2306.41	0.00	-40.5	7.66	1.50	Clear	None
12:25 PM	40	800	9.52	7.11	2312.12	0.00	-40.7	4.79	1.50	Clear	None
12:30 PM	44	800	9.52	7.11	2310.38	0.00	-40.9	4.15	1.50	Clear	None
12:35 PM	48	800	9.53	7.13	2310.94	0.00	-41.2	3.68	1.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-03S-250522	Date:	5/22/2025 11:15:00 AM
Well ID:	GW-03S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/22/2025 10:41:00 AM	Measured Well Depth:	13.56
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	2.58	Depth to LNAPL:	NE
Notes:	Taken with bailer in well		

Purge Information			
Begin Date and Time:	5/22/2025 10:45:00 AM	End Date and Time:	5/22/2025 11:15:00 AM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
10:45 AM	0	200	10.32	6.97	1944.08	1.43	61.2	350.92	3.58	Cloudy	None
10:50 AM	1	200	10.23	7.03	1811.54	0.33	53.8	69.10	4.15	Clear	None
10:55 AM	2	200	10.15	7.07	1723.14	0.26	64.9	34.69	4.95	Clear	None
11:00 AM	2.5	100	10.49	7.05	1701.69	0.41	68.7	18.44	5.29	Clear	None
11:05 AM	3	100	10.47	7.06	1693.40	0.41	70.1	16.38	5.62	Clear	None
11:10 AM	3.5	100	10.37	7.07	1679.55	0.42	70.4	17.63	5.95	Clear	None
11:15 AM	4	100	10.43	7.20	8.44	2.53	70.2	17.90	6.15	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-04D-250521	Date:	5/21/2025 2:20:00 PM
Well ID:	GW-04D	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/21/2025 1:11:00 PM	Measured Well Depth:	45.57
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	11.83	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/21/2025 1:20:00 PM	End Date and Time:	5/21/2025 2:20:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
1:20 PM	0	150	10.68	7.67	1844.15	0.57	-121.2	9.22	11.93	Clear	None
1:25 PM	0.750	150	10.41	7.66	1852.45	0.19	-135.6	3.52	12.10	Clear	None
1:30 PM	1.500	150	10.42	7.63	1859.64	0.10	-146.2	1.61	12.29	Clear	None
1:35 PM	2.250	150	10.40	7.58	1868.51	0.06	-168.6	1.87	12.49	Clear	None
1:40 PM	3	150	10.43	7.59	1868.41	0.04	-172.8	2.26	12.59	Clear	None
1:45 PM	3.750	150	10.38	7.56	1878.04	0.03	-180.2	2.61	12.71	Clear	None
1:50 PM	4.500	150	10.28	7.55	1890.12	0.00	-190.3	5.91	12.83	Clear	None
1:55 PM	5.250	150	10.37	7.52	1889.96	0.01	-195.9	13.36	12.94	Clear	None
2:00 PM	6	150	10.33	7.47	1904.56	0.00	-202.0	5.58	13.05	Clear	None
2:05 PM	6.750	150	10.31	7.48	1895.50	0.00	-208.7	4.17	13.10	Clear	None
2:10 PM	7.500	150	10.33	7.47	1902.46	0.00	-212.9	4.49	13.15	Clear	None
2:15 PM	8.250	150	10.44	7.48	1897.28	0.00	-219.2	8.42	13.21	Clear	None
2:20 PM	9	150	10.34	7.47	1896.54	0.00	-225.0	11.87	13.25	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-04S-250521	Date:	5/21/2025 12:50:00 PM
Sample ID	GW-04S-250521-G	Date:	5/21/2025 2:30:00 PM
Well ID:	GW-04S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/21/2025 12:58:00 PM	Measured Well Depth:	16.53
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.53	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/21/2025 1:00:00 PM	End Date and Time:	5/21/2025 2:30:00 PM
Purge Method:	Bailer	Sample Method:	PDB and Grab with Bailer
Notes:	Collect VOCs from PDB, purge well dry with bailer and collect SVOCs and Metals after recovery (same day).		

Time	Cumulative Purge Volume (gal)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
1:00 PM	0.0		11.27	9.28	534.65	6.00	-106.4	23.89		Clear	None
1:01 PM	0.5		10.19	9.59	521.85	6.19	-113.5	17.00		Clear	None
1:02 PM	1.0		9.86	9.26	522.65	5.77	-94.5	15.59		Clear	None
1:03 PM	1.5		9.50	9.38	525.82	7.87	-94.4	40.18		Clear	None
1:04 PM	2.0		9.24	9.42	529.46	9.41	-93.5	92.56		Clear	None
1:05 PM	2.5		9.18	9.21	525.54	8.44	-87.5	119.90		Cloudy	None
1:06 PM	3.0		10.19	8.92	520.54	7.61	-69.7	82.99		Cloudy	None
1:07 PM	3.5		9.49	9.18	518.42	7.70	-88.4	210.64		Cloudy	None
1:08 PM	4.0		9.27	9.31	517.38	8.34	-97.7	402.33		Cloudy	None
2:30 PM	4.0		10.23	8.76	529.30	4.76	-157.7	53.96	12.46	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-07D-250521	Date:	5/21/2025 10:50:00 AM
Sample ID:	GW-07D-250522	Date:	5/22/2025 8:45:00 AM
Well ID:	GW-07D	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals (dissolved [field filtered] and total)		
Comments:			

Water Level			
Date:	5/21/2025 10:47:00 AM	Measured Well Depth:	60.83
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	44.80	Depth to LNAPL:	NE
Notes:	L		

Purge Information			
Begin Date and Time:	5/21/2025 11:00:00 AM	End Date and Time:	5/22/2025 8:45:00 AM
Purge Method:	Bailer	Sample Method:	PDB and Grab with Bailer
Notes:	Collect VOCs from PDB, purge well dry with bailer and collect SVOCs and Metals after recovery (next day).		

Time	Cumulative Purge Volume (gal)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
11:01 AM	0.0		12.95	7.99	748.27	0.00	-123.6	6.66		Clear	None
11:08 AM	2.0		12.21	7.99	769.50	0.00	-138.7	21.61		Clear	Sulfur
11:13 AM	4.0		12.34	8.06	798.41	0.00	-143.2	33.50		Clear	Sulfur
11:20 AM	6.0		12.56	8.05	861.24	8.02	-152.3	55.65		Clear	Sulfur
11:26 AM	8.0		12.53	8.09	890.31	8.34	-163.1	61.66		Gray	Sulfur
11:36 AM	10.6		12.54	8.29	928.93	8.02	-169.5	112.36		Gray	Sulfur
8:46 AM	10.6		13.24	7.45	1125.55	4.20	201.1	103.08	59.55	Clear	Sulfur

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-07S-250521	Date:	5/21/2025 11:50:00 AM
Sample ID:	GW-07S-250522	Date:	5/22/2025 8:50:00 AM
Well ID:	GW-07S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/21/2025 10:49:00 AM	Measured Well Depth:	35.33
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.02	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/21/2025 11:55:00 AM	End Date and Time:	5/22/2025 8:50:00 AM
Purge Method:	Bailer	Sample Method:	PDB and Grab with Bailer
Notes:	Collect VOCs from PDB, purge well dry with bailer and collect SVOCs and Metals after recovery (next day).		

Time	Cumulative Purge Volume (gal)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
11:58 AM	0.0		10.57	8.35	745.95	4.69	-164.6	13.02		Clear	None
12:01 PM	2.0		10.42	8.37	739.79	7.38	-143.2	22.37		Clear	None
12:07 PM	4.0		11.20	8.35	741.46	7.59	-114.5	34.39		Light brown	None
12:12 PM	6.0		11.34	8.14	745.40	8.36	-123.6	224.13		Light brown	None
12:16 PM	8.0		11.51	7.94	747.71	7.73	-117.6	603.93		Light brown	None
9:08 AM	8.0		11.44	7.28	1000.06	7.29	216.0	12.69	4.80	Clear	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-08D-250522	Date:	5/22/2025 2:15:00 PM
Well ID:	GW-08D	Location Type:	MONITORING WELL
Duplicate ID:	Plus MS/MSD	Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/22/2025 1:15:00 PM	Measured Well Depth:	36.54
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.40	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/22/2025 1:15:00 PM	End Date and Time:	5/22/2025 2:15:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
1:15 PM	0	800	10.38	7.14	1916.56	0.59	65.3	55.75	5.40	Clear	None
1:20 PM	4	800	10.32	7.12	1915.85	0.55	66.2	9.72	5.40	Clear	None
1:25 PM	8	800	10.27	7.14	1916.76	0.47	70.9	4.66	5.40	Clear	None
1:30 PM	12	800	10.23	7.15	1918.18	0.42	74.1	4.26	5.40	Clear	None
1:35 PM	16	800	10.23	7.12	1914.26	0.40	78.5	2.74	5.40	Clear	None
1:40 PM	20	800	10.24	7.12	1916.66	0.41	78.9	4.17	5.40	Clear	None
1:45 PM	24	800	10.24	7.12	1918.07	0.40	82.9	3.27	5.40	Clear	None
1:50 PM	28	800	10.22	7.15	1917.94	0.39	85.0	2.45	5.40	Clear	None
1:55 PM	32	800	10.22	7.13	1918.24	0.38	86.5	2.28	5.40	Clear	None
2:00 PM	36	800	10.21	7.13	1918.88	0.37	87.5	1.93	5.40	Clear	None
2:05 PM	40	800	10.22	7.12	1918.22	0.38	88.2	2.13	5.40	Clear	None
2:10 PM	44	800	10.23	7.13	1917.78	0.36	89.2	1.87	5.40	Clear	None
2:15 PM	48	800	10.21	7.16	1920.37	0.35	91.4	0.99	5.40	Clear	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-08SR-250522	Date:	5/22/2025 3:05:00 PM
Well ID:	GW-08SR	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/22/2025 2:30:00 PM	Measured Well Depth:	13.02
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.98	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/22/2025 2:30:00 PM	End Date and Time:	5/22/2025 3:05:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
2:30 PM	0	200	10.51	6.78	1866.56	0.43	-30.3	81.19	4.98	Red	None
2:35 PM	1	200	10.39	6.72	1851.05	0.25	-36.1	37.16	5.93	Clear	None
2:40 PM	2	200	10.33	6.76	1575.90	0.14	-39.0	44.48	6.74	Clear	None
2:45 PM	3	200	10.29	6.80	1348.90	0.08	-36.8	67.30	7.03	Clear	None
2:50 PM	4	200	10.28	6.79	1374.20	0.04	-38.6	38.34	7.35	Clear	None
2:55 PM	5	200	10.29	6.77	1486.85	0.04	-40.3	41.00	7.60	Clear	None
3:00 PM	6	200	10.26	6.79	1497.69	0.03	-41.8	40.16	7.70	Clear	None
3:05 PM	7	200	10.32	6.76	1495.37	0.02	-43.8	38.63	7.80	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-26D-250523	Date:	5/23/2025 12:05:00 PM
Well ID:	GW-26D	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/23/2025 11:02:00 AM	Measured Well Depth:	40.70
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.03	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/23/2025 11:05:00 AM	End Date and Time:	5/23/2025 12:05:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
11:05 AM	0	800	12.41	8.05	0.07	10.23	53.2	1.63	6.03	Clear	None
11:10 AM	4	800	11.21	7.10	2146.43	0.07	-24.2	66.31	6.03	Clear	None
11:15 AM	8	800	11.27	7.08	2134.36	0.00	-30.0	25.81	6.03	Clear	None
11:20 AM	12	800	11.26	7.08	2125.58	0.00	-31.2	99.17	6.03	Clear	None
11:25 AM	16	800	11.27	7.07	2132.32	0.00	-33.4	33.34	6.03	Clear	None
11:30 AM	20	800	11.32	7.06	2126.11	0.00	-33.8	16.86	6.03	Clear	None
11:35 AM	24	800	11.34	7.08	2141.97	0.00	-35.2	21.22	6.03	Clear	None
11:40 AM	28	800	11.26	7.06	2131.61	0.00	-35.5	31.93	6.03	Clear	None
11:45 AM	32	800	11.30	7.06	2123.31	0.00	-35.9	23.57	6.03	Clear	None
11:50 AM	36	800	11.39	7.06	2131.32	0.00	-36.4	12.89	6.03	Clear	None
11:55 AM	40	800	11.39	7.10	2131.69	0.00	-37.5	17.67	6.03	Clear	None
12:00 PM	44	800	11.39	7.09	2124.76	0.00	-37.2	16.93	6.03	Clear	None
12:05 PM	48	800	11.43	7.07	2123.66	0.00	-38.1	23.55	6.03	Clear	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-28S-250522	Date:	5/22/2025 3:55:00 PM
Well ID:	GW-28S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/22/2025 3:25:00 PM	Measured Well Depth:	15.52
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.21	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/22/2025 3:30:00 PM	End Date and Time:	5/22/2025 3:55:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
3:30 PM	0	125	11.85	7.55	628.93	9.97	10.2	698.42	9.53	Red	None
3:35 PM	0.625	125	11.01	7.24	625.01	1.00	25.5	316.96	9.95	Red	None
3:40 PM	1.250	125	10.71	7.20	614.17	1.25	33.2	65.16	10.50	Clear	None
3:45 PM	1.875	125	10.58	7.20	610.94	1.51	36.7	39.58	10.70	Clear	None
3:50 PM	2.500	125	10.50	7.21	608.09	1.57	42.5	36.79	10.80	Clear	None
3:55 PM	3.125	125	10.38	7.22	608.38	1.53	44.6	34.17	10.87	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-29S-250522	Date:	5/22/2025 4:50:00 PM
Well ID:	GW-29S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/22/2025 4:14:00 PM	Measured Well Depth:	20.04
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.11	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/22/2025 4:20:00 PM	End Date and Time:	5/22/2025 4:50:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
4:20 PM	0	125	10.17	6.95	1016.62	1.73	-27.8	3318.97	8.33	Red	None
4:25 PM	0.625	125	9.90	6.94	1016.65	0.47	-37.4	1188.19	9.23	Red	None
4:30 PM	1.250	125	9.80	6.94	984.91	0.26	-43.0	649.50	9.70	Red	None
4:35 PM	1.875	125	9.80	6.97	972.85	0.21	-43.7	561.94	10.00	Red	None
4:40 PM	2.500	125	9.84	6.95	973.88	0.10	-44.5	599.79	10.21	Red	None
4:45 PM	3.125	125	9.82	6.95	974.76	0.10	-45.4	603.61	10.31	Red	None
4:50 PM	3.750	125	9.80	6.96	976.06	0.13	-46.0	594.04	10.37	Red	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-30S-250523	Date:	5/23/2025 9:15:00 AM
Well ID:	GW-30S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/23/2025 8:18:00 AM	Measured Well Depth:	17.97
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.83	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/23/2025 8:35:00 AM	End Date and Time:	5/23/2025 9:15:00 AM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
8:35 AM	0	200	10.45	6.95	2232.70	1.44	-77.8	1688.92	6.83	Red	None
8:40 AM	1	200	9.64	7.02	1533.95	0.30	-69.9	319.50	6.83	Red	None
8:45 AM	2	200	9.46	7.11	1026.12	0.10	-65.2	180.30	6.83	Red	None
8:50 AM	3	200	9.45	7.06	1021.29	0.03	-69.1	124.08	6.83	Clear	None
8:55 AM	4	200	9.42	7.06	1003.39	0.00	-69.9	89.56	6.83	Clear	None
9:00 AM	5	200	9.38	7.04	988.00	0.00	-71.6	58.48	6.83	Clear	None
9:05 AM	6	200	9.34	7.05	979.54	0.00	-75.0	27.67	6.83	Clear	None
9:10 AM	7	200	9.31	7.05	968.47	0.00	-75.6	27.88	6.83	Cear	None
9:15 AM	8	200	9.31	7.04	964.83	0.00	-76.7	28.86	6.83	Clear	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-31S-250523	Date:	5/23/2025 10:05:00 AM
Well ID:	GW-31S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/23/2025 9:30:00 AM	Measured Well Depth:	9.57
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	2.49	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/23/2025 9:35:00 AM	End Date and Time:	5/23/2025 10:05:00 AM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
9:35 AM	0	150	10.74	7.16	736.41	4.12	-78.2	230.94	2.90	Cloudy	None
9:40 AM	0.750	150	10.66	7.13	696.87	0.38	-80.7	23.08	3.22	Clear	None
9:50 AM	1.500	150	10.98	7.16	686.10	0.07	-75.0	7.54	3.64	Clear	None
9:55 AM	2.250	150	10.97	7.14	686.79	0.06	-75.4	7.87	3.80	Clear	None
10:00 AM	3	150	10.79	7.13	686.99	0.05	-76.4	6.41	3.85	Clear	None
10:05 AM	3.750	150	10.78	7.12	686.44	0.04	-76.1	8.33	3.88	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-32S-250523	Date:	5/23/2025 10:50:00 AM
Well ID:	GW-32S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/23/2025 10:16:00 AM	Measured Well Depth:	9.93
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	2.29	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/23/2025 10:20:00 AM	End Date and Time:	5/23/2025 10:50:00 AM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
10:20 AM	0	150	11.03	7.39	630.99	5.67	-7.2	133.02	2.50	Cloudy	None
10:25 AM	0.750	150	10.87	7.35	615.20	0.26	1.1	27.02	2.57	Clear	None
10:30 AM	1.500	150	10.91	7.37	599.19	0.09	2.4	11.26	2.65	Clear	None
10:35 AM	2.250	150	10.92	7.38	593.33	0.05	2.9	7.47	2.70	Clear	None
10:40 AM	3	150	10.96	7.38	591.65	0.04	4.2	7.95	2.70	Clear	None
10:45 AM	3.750	150	10.96	7.37	589.06	0.03	6.7	6.77	2.70	Clear	None
10:50 AM	4.500	150	11.06	7.37	587.61	0.03	8.0	6.58	2.70	Clear	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-33S-250523	Date:	5/23/2025 1:25:00 PM
Well ID:	GW-33S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/23/2025 12:50:00 PM	Measured Well Depth:	8.21
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	2.83	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/23/2025 12:55:00 PM	End Date and Time:	5/23/2025 1:25:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
12:55 PM	0	150	11.98	7.15	795.83	0.00	49.2	41.82	3.00	Clear	None
1:00 PM	0.750	150	11.78	7.08	739.58	0.30	57.3	4.98	3.55	Clear	None
1:05 PM	1.500	150	11.86	7.08	724.19	0.22	64.1	1.73	3.85	Clear	None
1:10 PM	2.250	150	11.89	7.10	722.22	0.23	70.1	1.09	4.10	Clear	None
1:15 PM	3	150	11.96	7.10	723.10	0.26	73.7	0.66	4.21	Clear	None
1:20 PM	3.750	150	11.83	7.10	724.44	0.28	77.1	0.66	4.29	Clear	None
1:25 PM	4.500	150	11.74	7.09	723.43	0.26	80.3	0.64	4.35	Clear	None

GROUNDWATER SAMPLING LOG

Client: NYSDEC | Project #: 60411174

Site: Pfohl Brothers Landfill | Event: May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-34S-250522	Date:	5/22/2025 10:10:00 AM
Well ID:	GW-34S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/22/2025 9:29:00 AM	Measured Well Depth:	10.01
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.28	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/22/2025 9:35:00 AM	End Date and Time:	5/22/2025 10:10:00 AM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
9:35 AM	0	150	10.80	6.93	1295.17	1.92	-37.1	17.90	3.00	Clear	None
9:40 AM	0.750	150	10.07	6.93	1300.84	0.22	-30.8	14.91	3.20	Clear	None
9:45 AM	1.500	150	10.06	6.92	1295.59	0.14	-30.8	11.15	3.26	Clear	None
9:50 AM	2.250	150	10.11	6.91	1272.43	0.06	-31.0	15.15	3.33	Clear	None
9:55 AM	3	150	10.19	6.94	1047.63	0.04	-21.5	14.18	3.35	Clear	None
10:00 AM	3.750	150	10.25	6.95	973.27	0.04	-8.1	17.47	3.37	Clear	None
10:05 AM	4.500	150	10.27	6.96	948.61	0.08	-1.6	17.39	3.37	Clear	None
10:10 AM	5.250	150	10.31	6.97	939.64	0.12	1.2	18.44	3.37	Clear	None

GROUNDWATER SAMPLING LOG

Client:	NYSDEC	Project #:	60411174
Site:	Pfohl Brothers Landfill	Event:	May 2025 Annual Sampling

Sample Information			
Sample ID:	GW-35S-250523	Date:	5/23/2025 12:40:00 PM
Well ID:	GW-35S	Location Type:	MONITORING WELL
Duplicate ID:		Sampler:	HorrocksC
Equipment:	Field parameter: AquaTroll # 808878 WL/int meter: Solinst 101 #29962		
Analysis:	VOCs, SVOCs, Metals		
Comments:			

Water Level			
Date:	5/23/2025 12:05:00 PM	Measured Well Depth:	7.46
Screen Interval:	-	Total Depth:	
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.19	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	5/23/2025 12:10:00 PM	End Date and Time:	5/23/2025 12:40:00 PM
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:			

Time	Cumulative Purge Volume (l)	Purge Rate (ml/min)	Temperatue (deg c)	pH (su)	Specific Conductance (us/cm)	Dissolved Oxygen (mg/l)	Oxidation-Reduction Potential (millivolts)	Turbidity (ntu)	Depth to Water (ft)	Color (none)	Odor (none)
12:10 PM	0	150	12.55	7.42	538.96	2.37	-32.3	2.63	3.37	Clear	None
12:15 PM	0.750	150	12.45	7.29	532.11	0.15	-12.0	1.00	3.50	Clear	None
12:20 PM	1.500	150	12.28	7.29	534.41	0.09	-1.8	0.80	3.56	Clear	None
12:25 PM	2.250	150	12.37	7.28	541.80	0.05	3.6	4.22	3.59	Clear	None
12:30 PM	3	150	12.42	7.27	545.19	0.03	8.9	1.79	3.60	Clear	None
12:35 PM	7	800	12.34	7.24	546.12	0.02	12.3	3.35	3.61	Clear	None
12:40 PM	11	800	12.23	7.24	547.16	0.01	14.5	4.62	3.63	Clear	None

GROUNDWATER SAMPLING - SAMPLE COLLECTION DATA SHEET

Project Name: *Pfohl Brothers Landfill* Project Number: *60411174*

Sampling Crew Members: *C.Horrocks, D. VanMarter* Supervisor: *R. Murphy*

Date of Sampling: *May 21, 2025*

Sample I.D. Number	*Well Number*	*Well Volume (gallons)*	*Volume Purged (gallons)*	*Sample Time*	*Sample Description*	*Analysis Required*	*Chain-of-Custody Number*
GW-07D-250521	GW-07D	10.6	10.6	10:50	Groundwater	VOCs	Not Applicable
GW-07S-250521	GW-07S	5.2	8.0	11:50	Groundwater		Not Applicable
GW-04S-250521-PDB	GW-04S	2.0	4.0	12:50	Groundwater	VOCs	Not Applicable
GW-04D-250521	GW-04D	22.3	2.4	14:20	Groundwater	VOCs/SVOCs/Metals	Not Applicable
GW-04S-250521	GW-04S	2.0	4.0	14:30	Groundwater	SVOCs/Metals	Not Applicable
GW-01S-250521	GW-01S	1.8	2.1	15:40	Groundwater	VOCs/SVOCs/ Metals	Not Applicable
GW-01D-250521	GW-01D	24.1	12.7	16:50	Groundwater		Not Applicable

Additional Comments: All wells were purged using low flow methods until parameter stabilization with the exception of wells GW-04S, GW-07D, and GW-07S that were sampled for VOCs using passive diffusion bags (PDBs). GW-04S, GW-07D, and GW-07S were then purged dry. Remaining parameters were collected after recovery at GW-04S.

GROUNDWATER SAMPLING - SAMPLE COLLECTION DATA SHEET

Project Name: *Pfohl Brothers Landfill* Project Number: *60411174*

Sampling Crew Members: *C.Horrocks, D. VanMarter* Supervisor: *R. Murphy*

Date of Sampling: *May 22, 2025*

Sample I.D. Number	***Well Number***	***Well Volume (gallons)***	***Volume Purged (gallons)***	***Sample Time***	***Sample Description***	***Analysis Required***	***Chain-of-Custody Number***
GW-07D-250522	GW-07D	10.6	10.6	8:45	Groundwater	SVOCs/ Metals (+dissolved @ GW-07D)	Not Applicable
GW-07S-250522	GW-07S	5.2	8.0	8:50	Groundwater		Not Applicable
GW-34S-250522	GW-34S	1.1	1.4	10:10	Groundwater	VOCs/SVOCs/ Metals	Not Applicable
GW-03S-250522	GW-03S	1.9	1.1	11:15	Groundwater		Not Applicable
GW-03D-250522	GW-03D	22.6	12.7	12:35	Groundwater		Not Applicable
FD-250522	GW-03D	22.6	12.7	-	Duplicate		Not Applicable
GW-08D-250522	GW-08D	20.6	12.7	14:15	Groundwater		Not Applicable

Additional Comments: GW-07D and GW-07S were sampled for SVOCs and Metals after recharging overnight.
All other wells were purged using low flow methods until parameter stabilization.

GROUNDWATER SAMPLING - SAMPLE COLLECTION DATA SHEET

Project Name: *Pfohl Brothers Landfill* Project Number: *60411174*

Sampling Crew Members: *C.Horrocks, D. VanMarter* Supervisor: *R. Murphy*

Date of Sampling: *May 22, 2025*

Sample I.D. Number	***Well Number***	***Well Volume (gallons)***	***Volume Purged (gallons)***	***Sample Time***	***Sample Description***	***Analysis Required***	***Chain-of-Custody Number***
GW-08D-250522-MS	GW-08D	20.6	12.7	14:15	Matrix Spike	VOCs/SVOCs/ Metals	Not Applicable
GW-08D-250522-MSD	GW-08D	20.6	12.7	14:15	Spike Duplicate		Not Applicable
GW-08SR-250522	GW-08SR	1.4	1.8	15:05	Groundwater		Not Applicable
GW-28S-250522	GW-28S	1.1	0.8	15:55	Groundwater		Not Applicable
GW-29S-250522	GW-29S	2.0	1.0	16:50	Groundwater		Not Applicable
Trip Blank	-	-	-	-	Trip Blank	VOCs	Not Applicable

Additional Comments: All wells were purged using low flow methods until parameter stabilization.

GROUNDWATER SAMPLING - SAMPLE COLLECTION DATA SHEET

Project Name: *Pfohl Brothers Landfill* Project Number: *60411174*

Sampling Crew Members: *C.Horrocks, D. VanMarter* Supervisor: *R. Murphy*

Date of Sampling: *May 23, 2025*

Sample I.D. Number	*Well Number*	*Well Volume (gallons)*	*Volume Purged (gallons)*	*Sample Time*	*Sample Description*	*Analysis Required*	*Chain-of-Custody Number*
GW-30S-250523	GW-30S	1.9	2.1	9:15	Groundwater	VOCs/SVOCs/ Metals	Not Applicable
GW-31S-250523	GW-31S	1.2	1.0	10:05	Groundwater		Not Applicable
GW-32S-250523	GW-32S	1.3	1.2	10:50	Groundwater		Not Applicable
GW-26D-250523	GW-26D	22.9	12.7	12:05	Groundwater		Not Applicable
GW-35S-250523	GW-35S	0.7	2.9	12:40	Groundwater		Not Applicable
GW-33S-250523	GW-33S	0.9	1.2	13:25	Groundwater		Not Applicable
Trip Blank	-	-	-	-	Trip Blank	VOCs	Not Applicable

Additional Comments: All wells were purged using low flow methods until parameter stabilization.

Appendix E Groundwater Trend Analysis

FIGURE E-1
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-01D

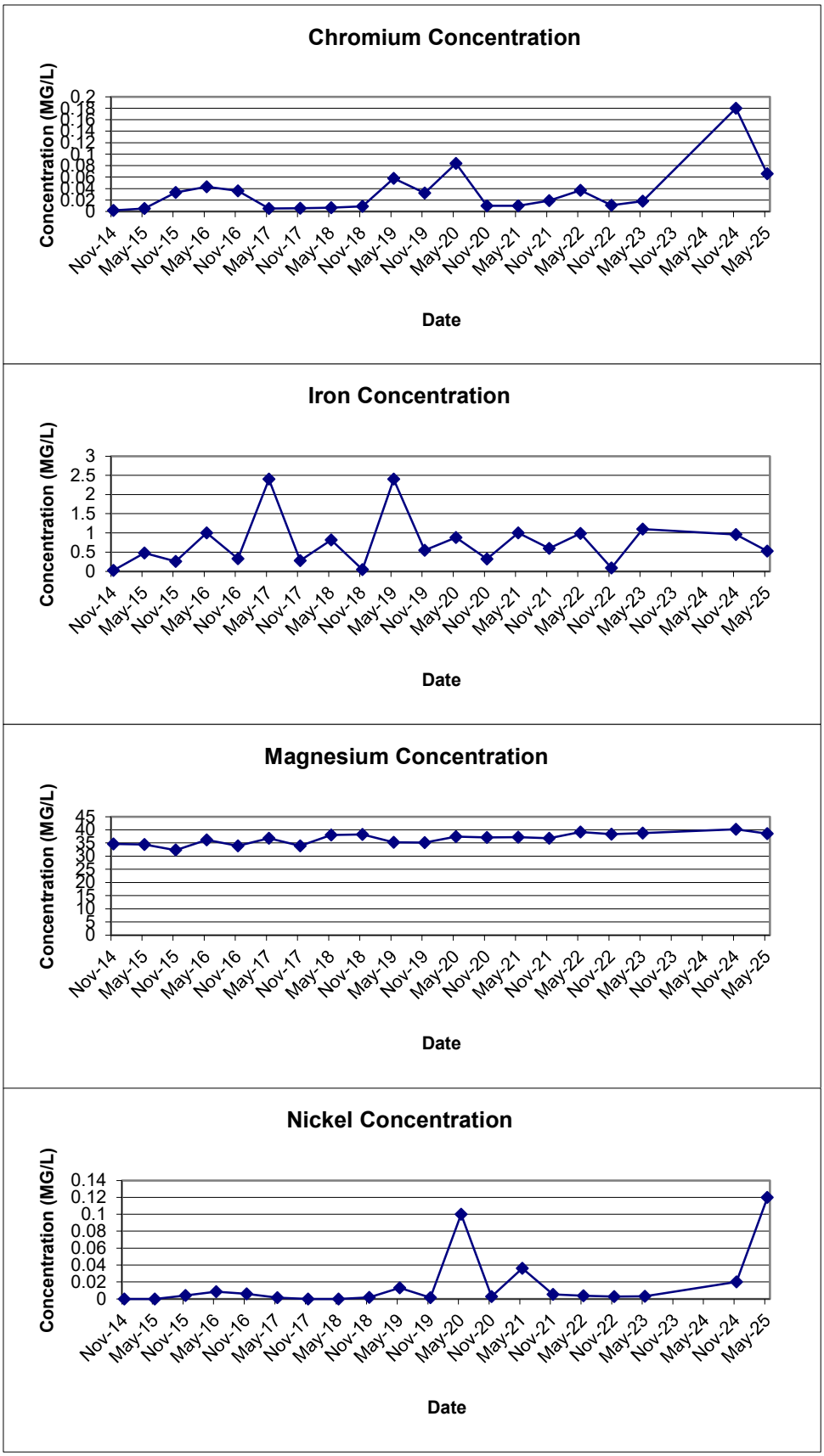


FIGURE E-1
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-01D

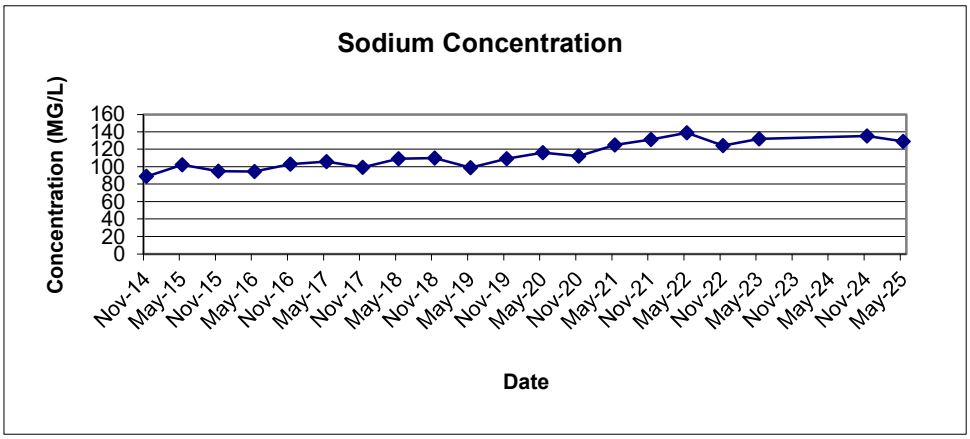


FIGURE E-2
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-01S

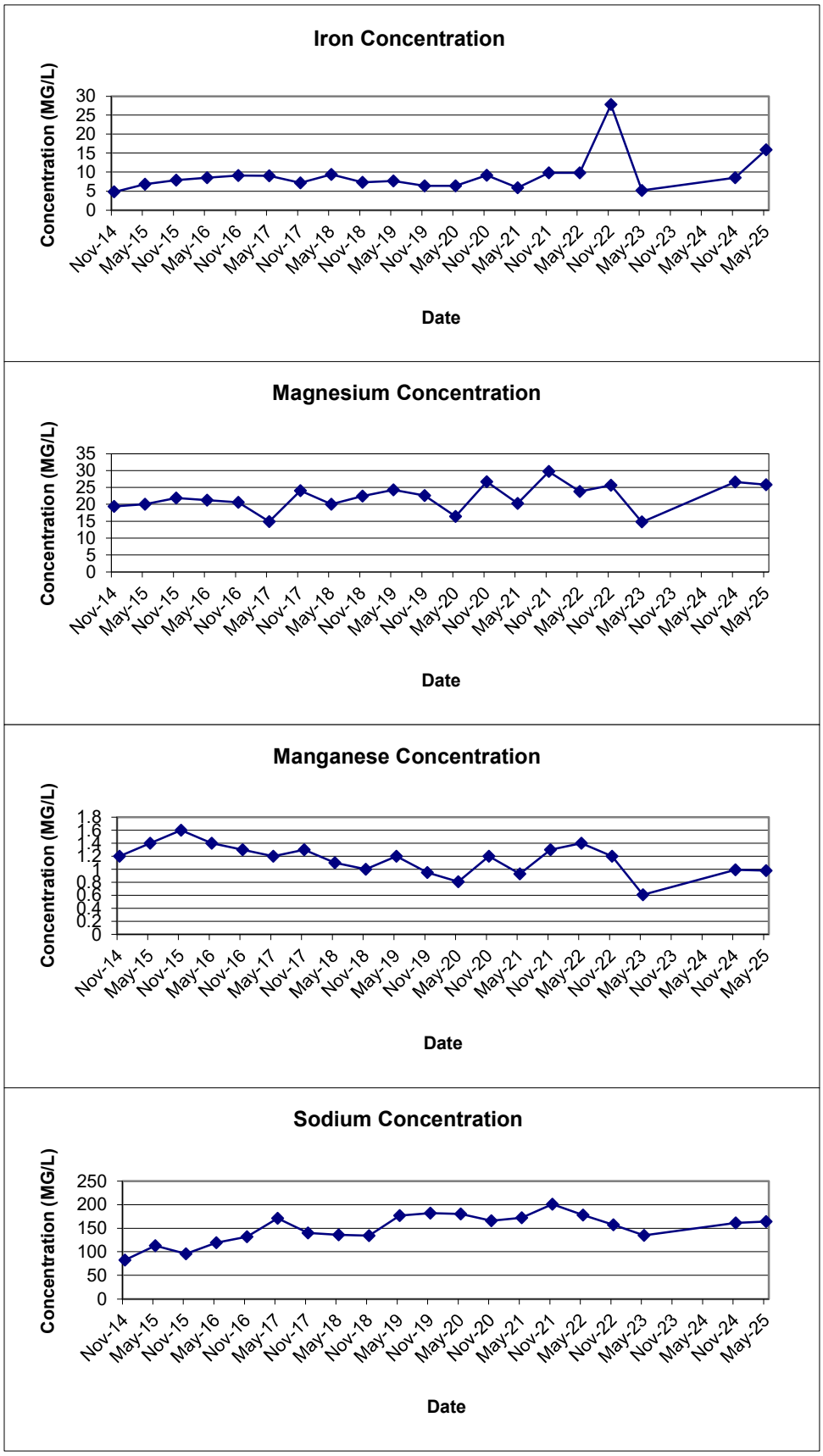


FIGURE E-3
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-03D

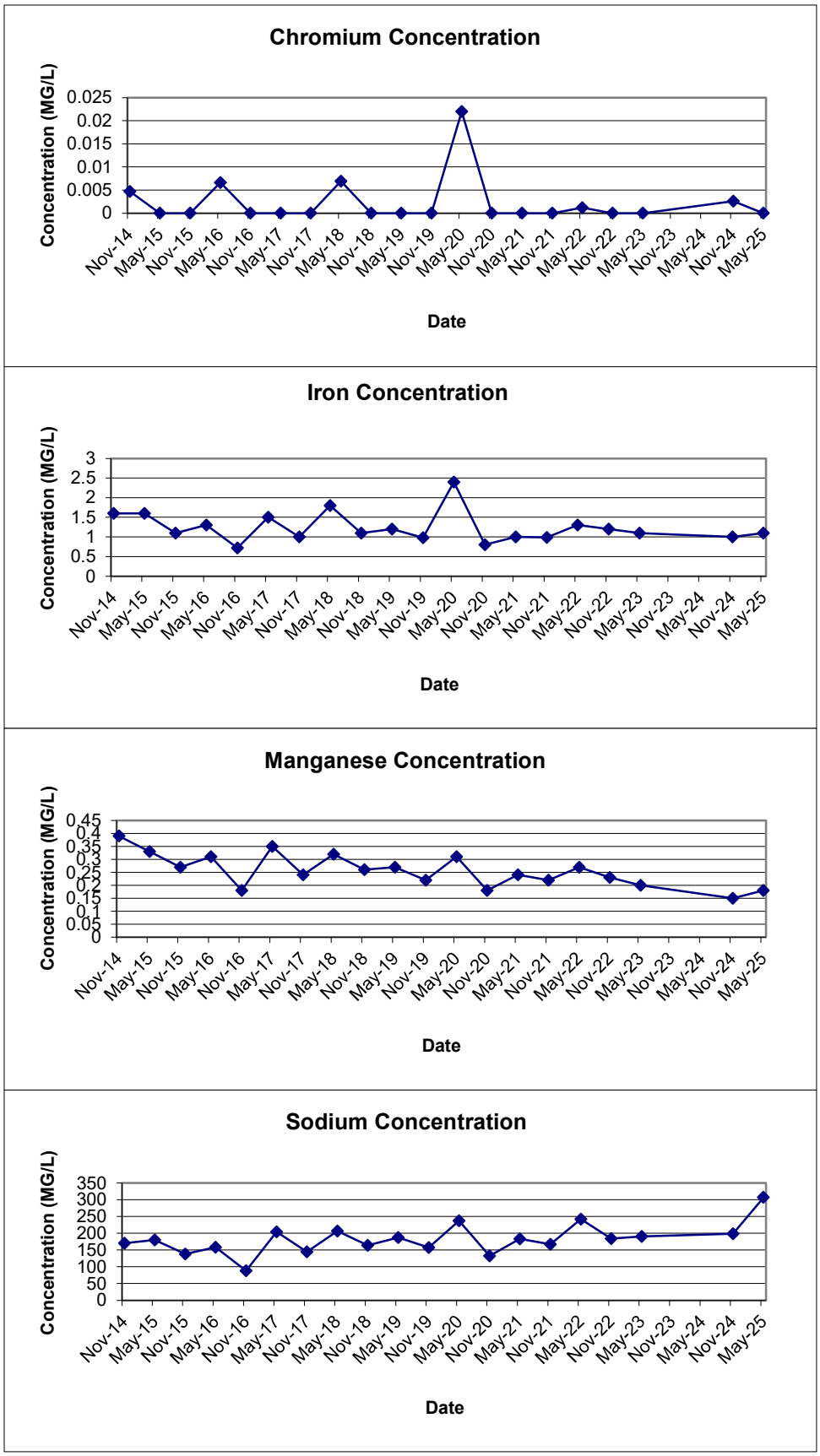


FIGURE E-3
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-03D

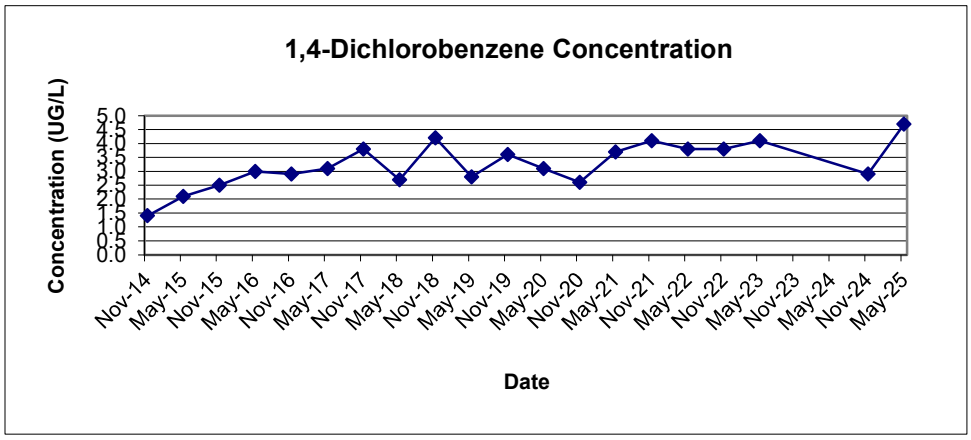
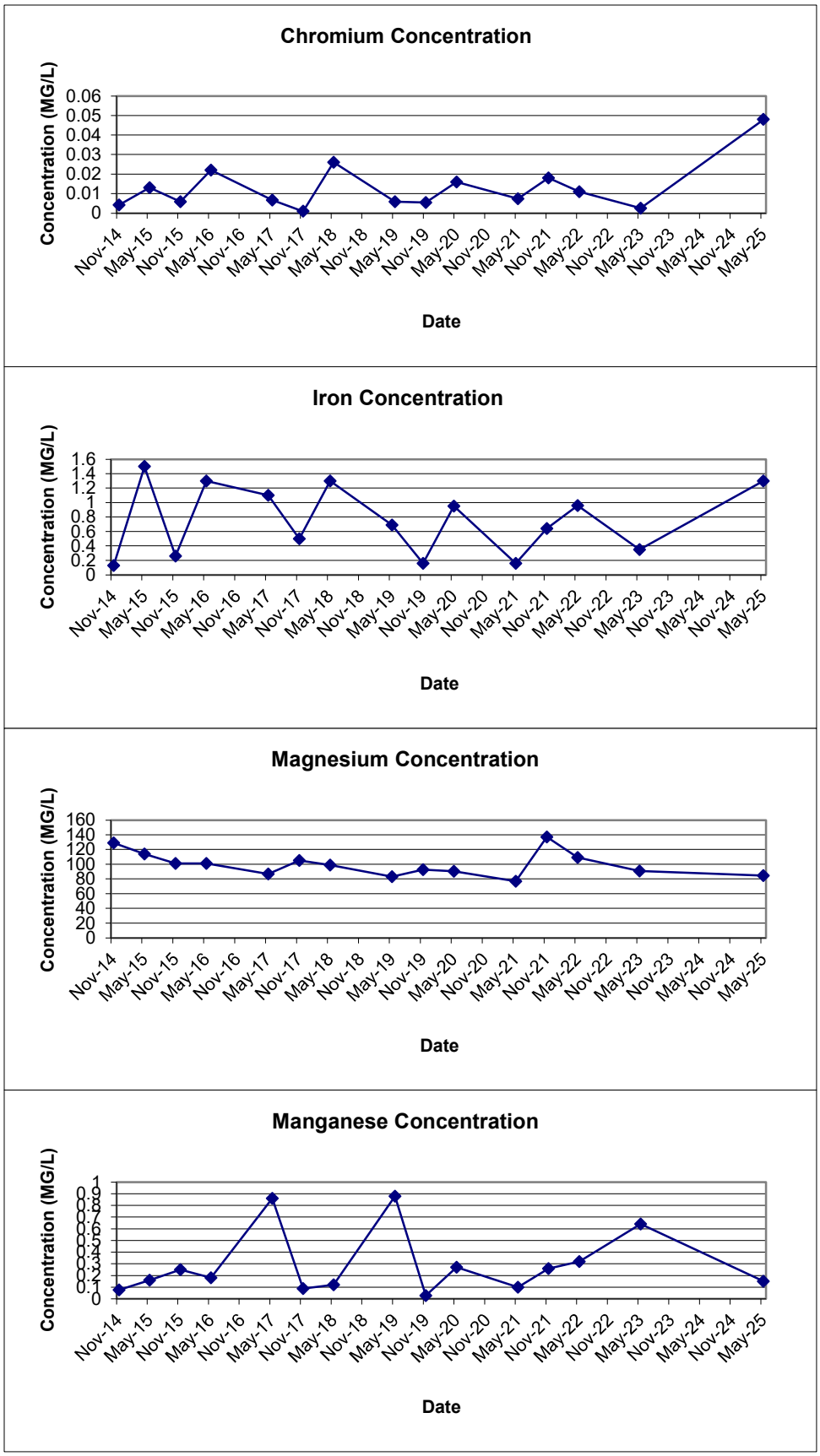
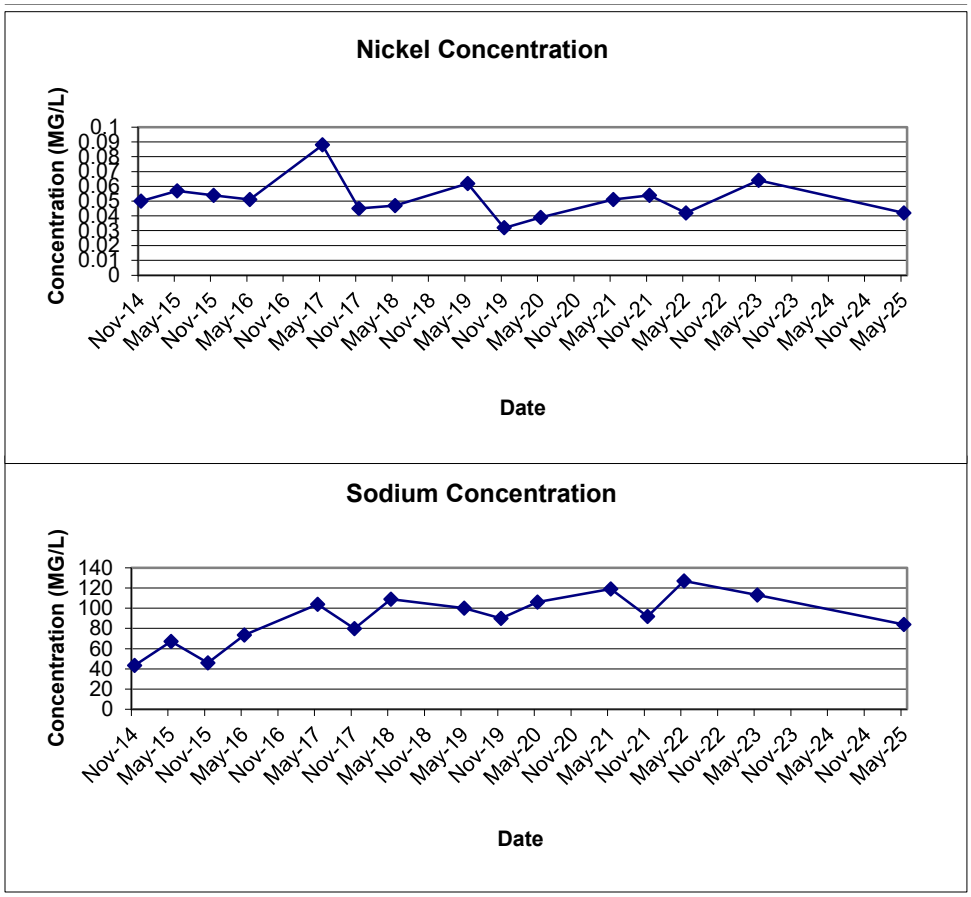


FIGURE E-4
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-03S



Well was dry and was not sampled in November 2016, 2018, 2020, 2022, and 2024

FIGURE E-4
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-03S



Well was dry and was not sampled in November 2016, 2018, 2020, 2022, and 2024

FIGURE E-5
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-04D

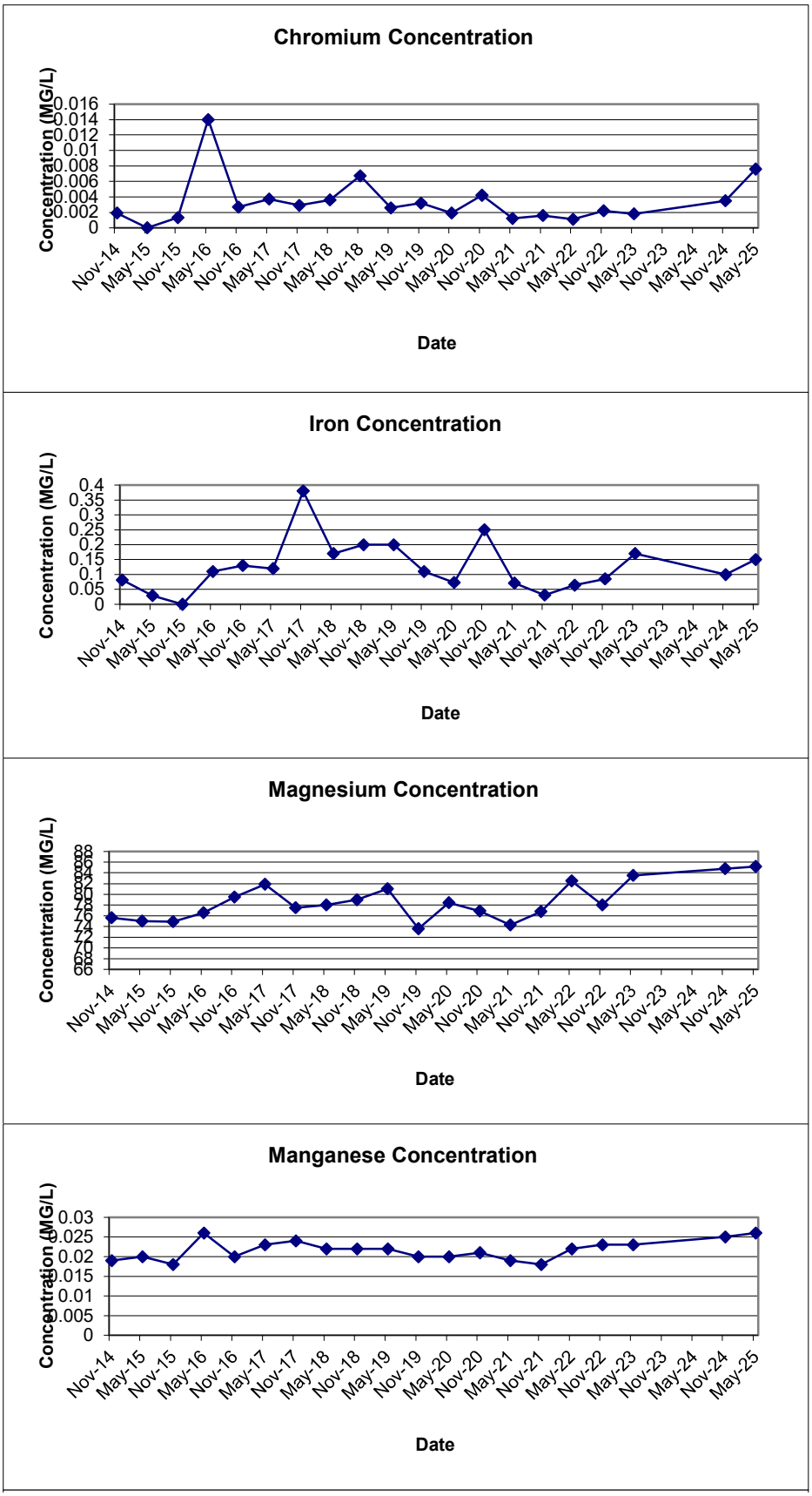


FIGURE E-5
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-04D

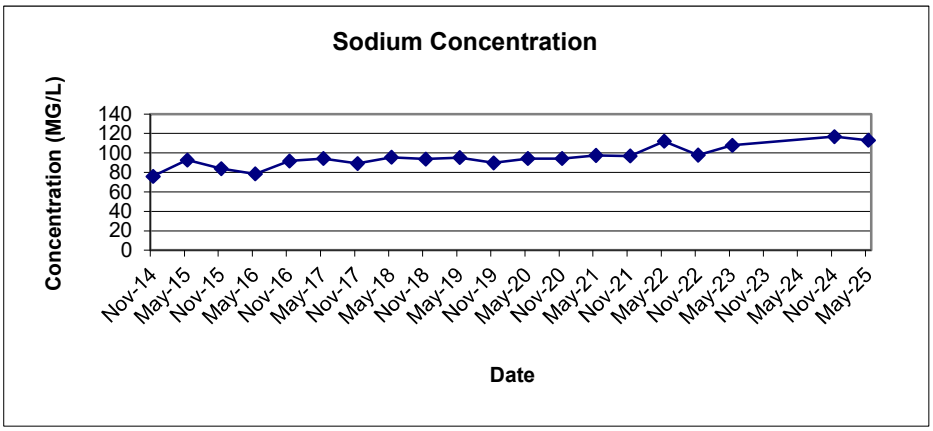


FIGURE E-6
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-04S

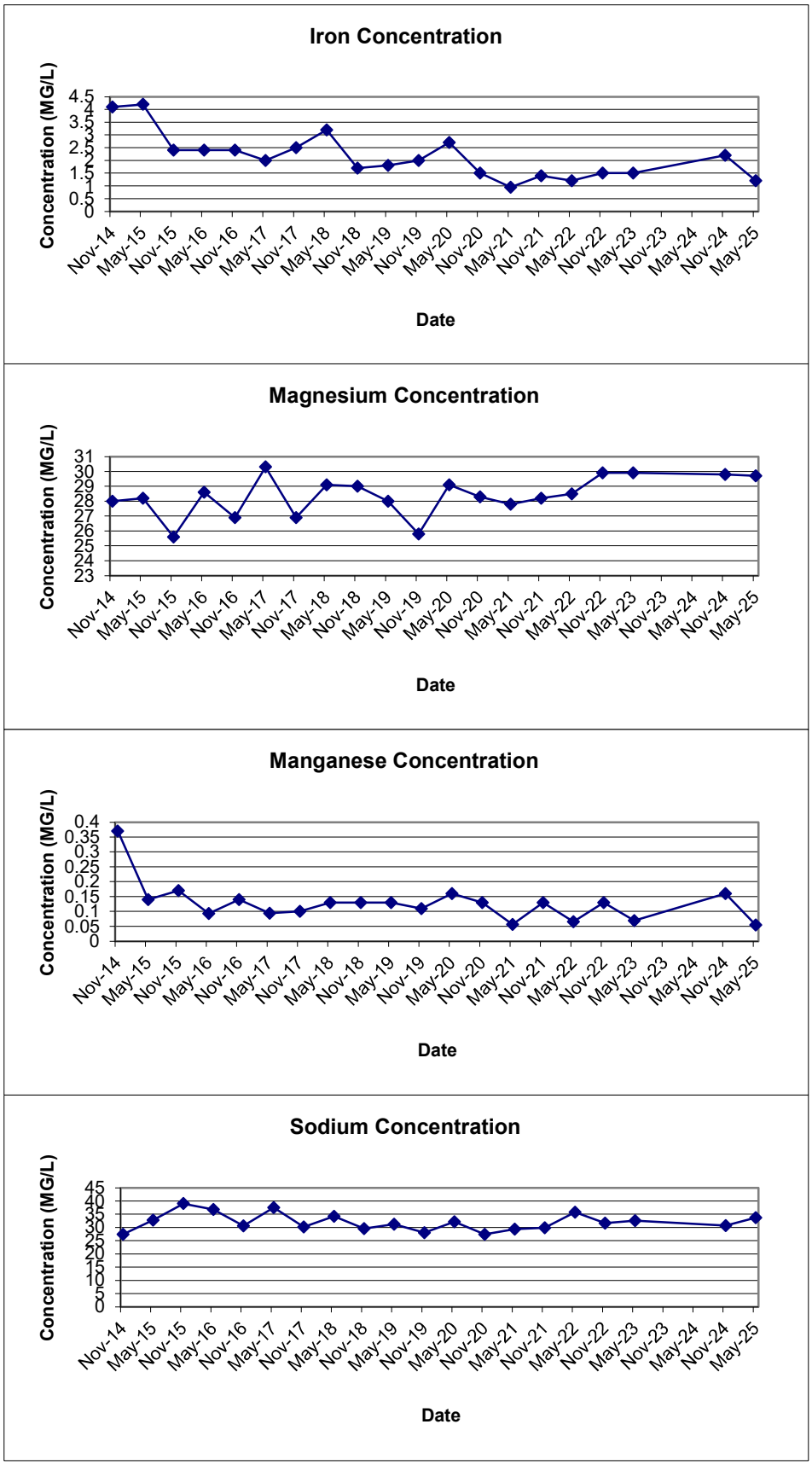


FIGURE E-7
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-07D

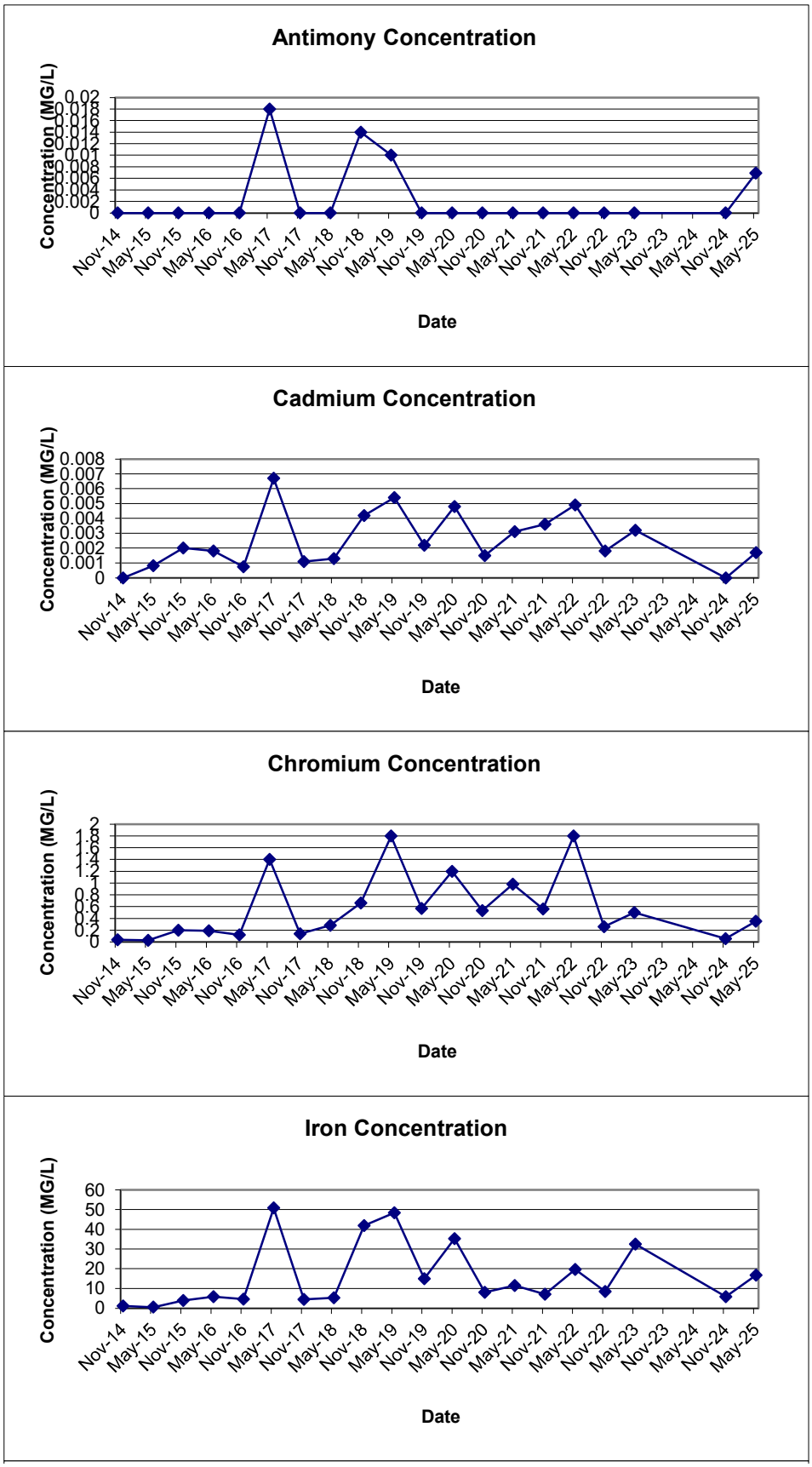


FIGURE E-7
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-07D

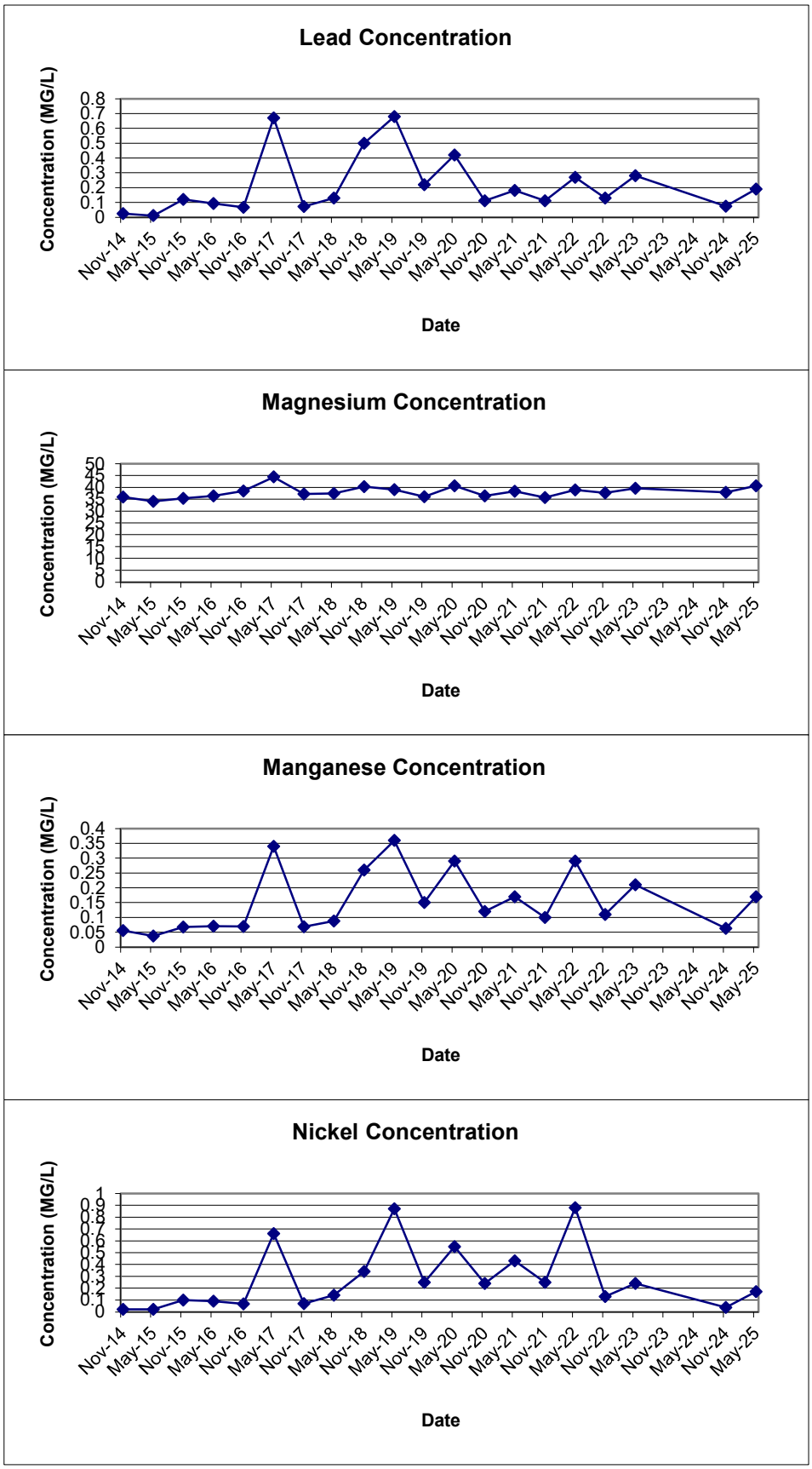


FIGURE E-7
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-07D

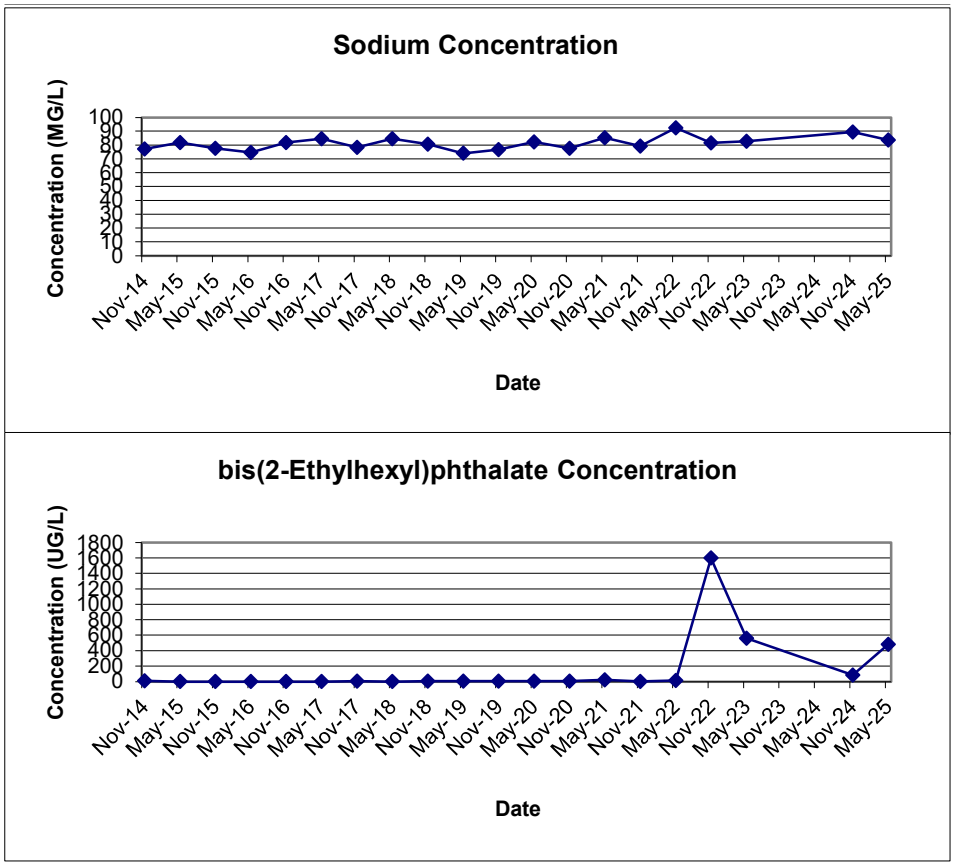


FIGURE E-8
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-07S

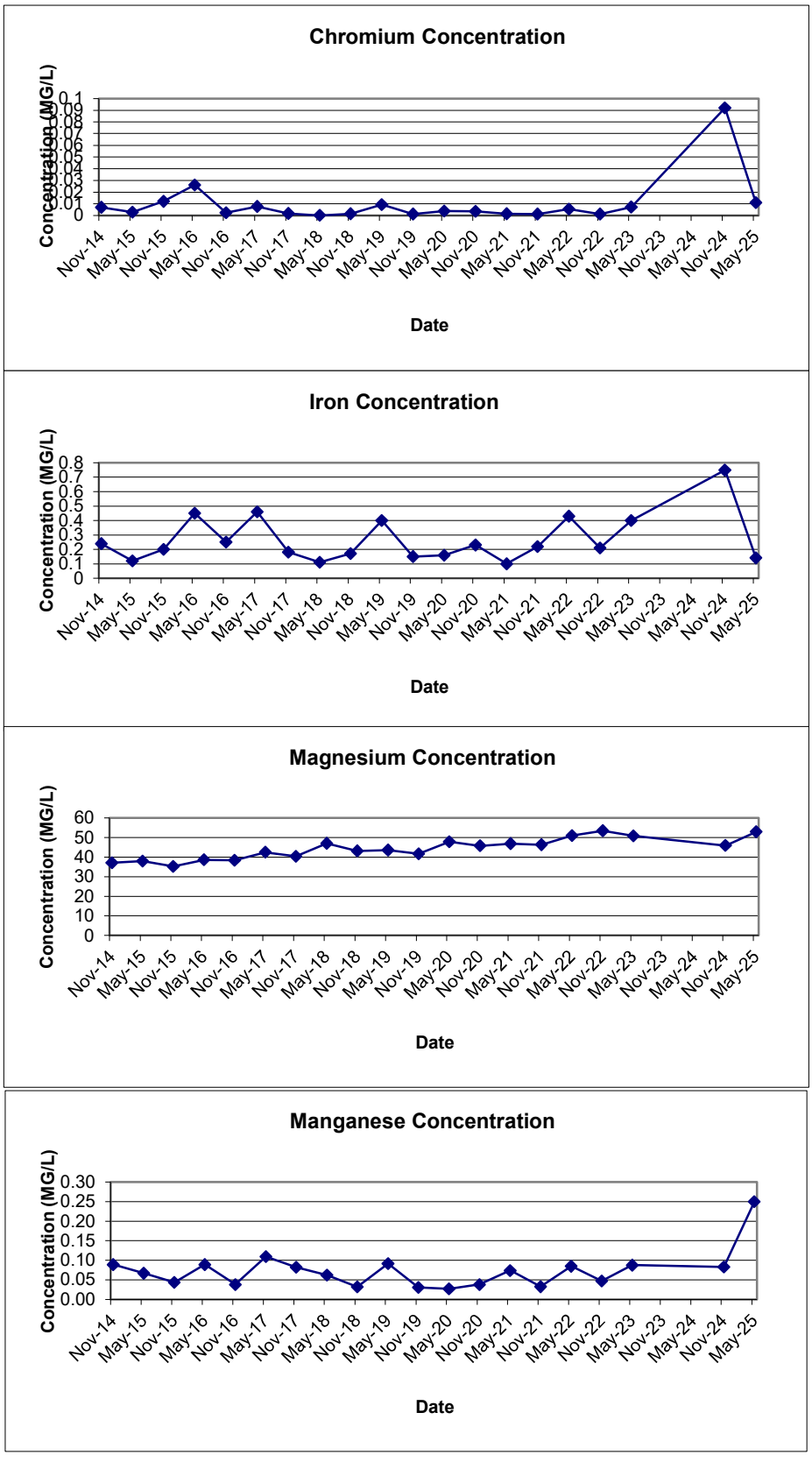


FIGURE E-8
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-07S

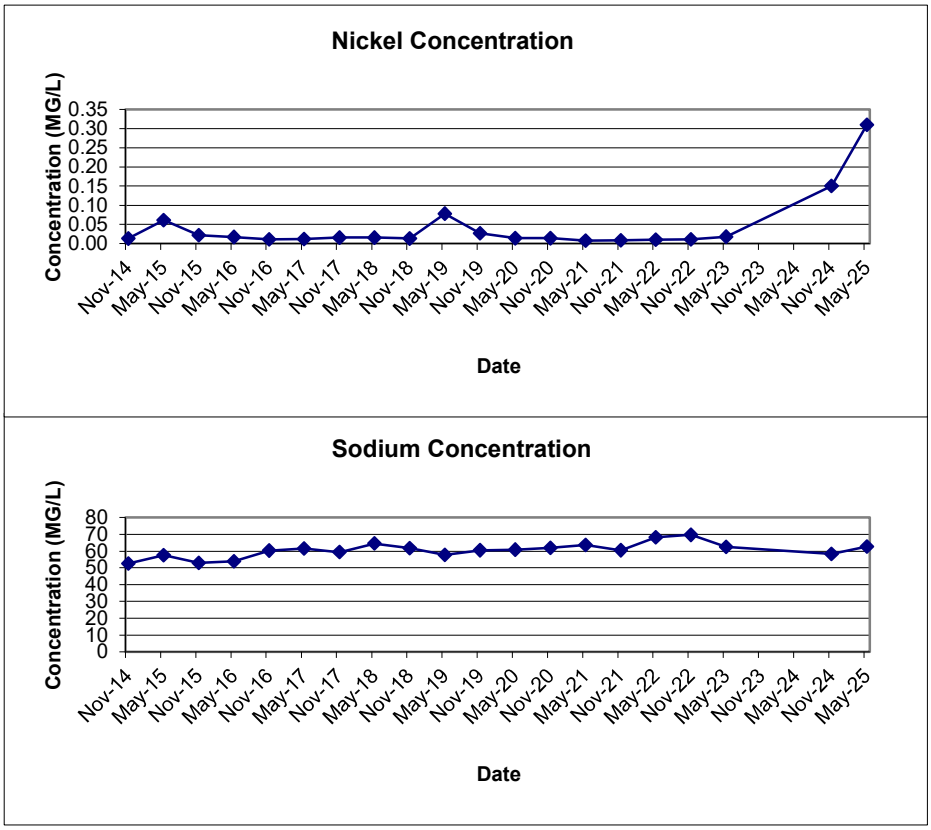


FIGURE E-9
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-08D

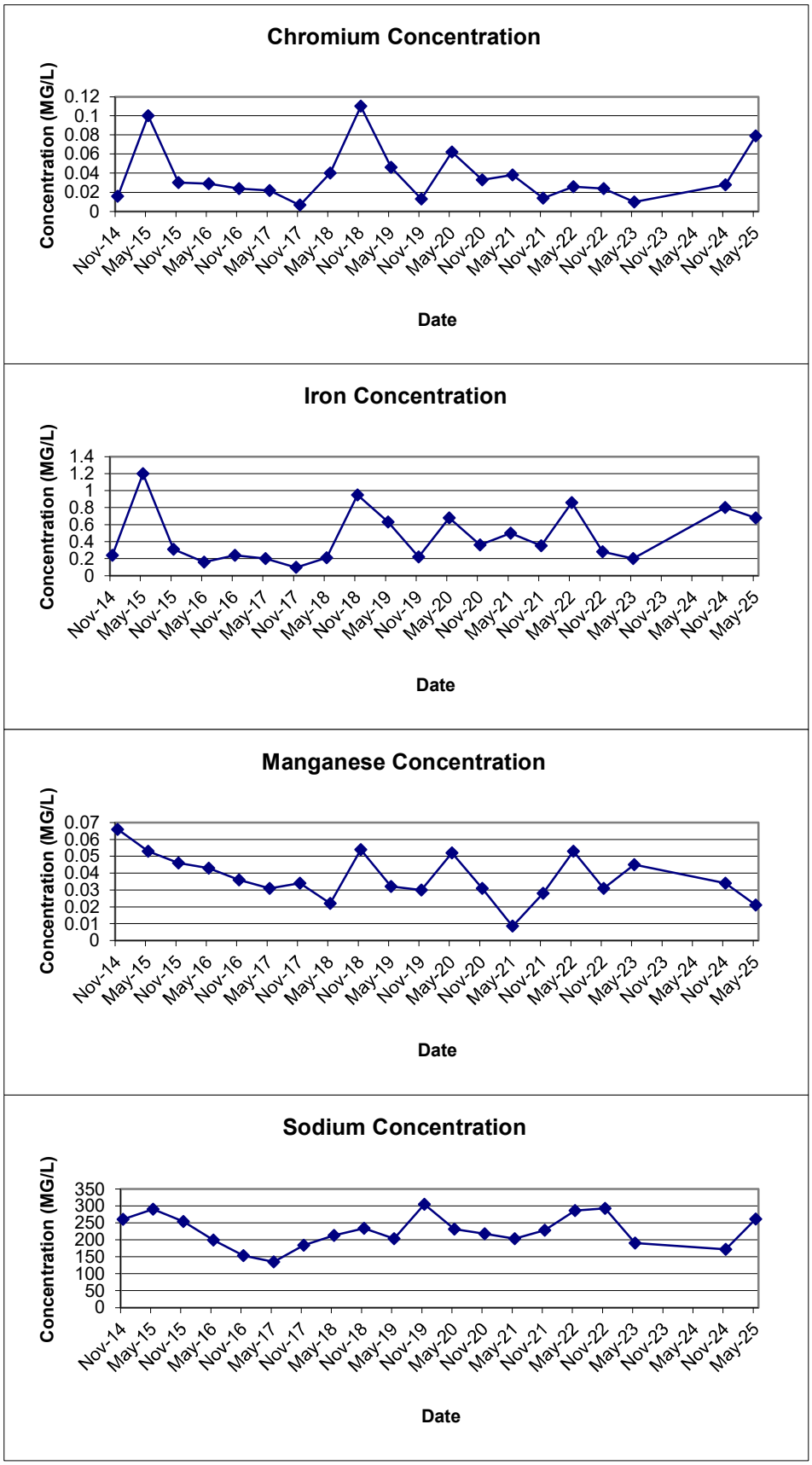


FIGURE E-10
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-08SR

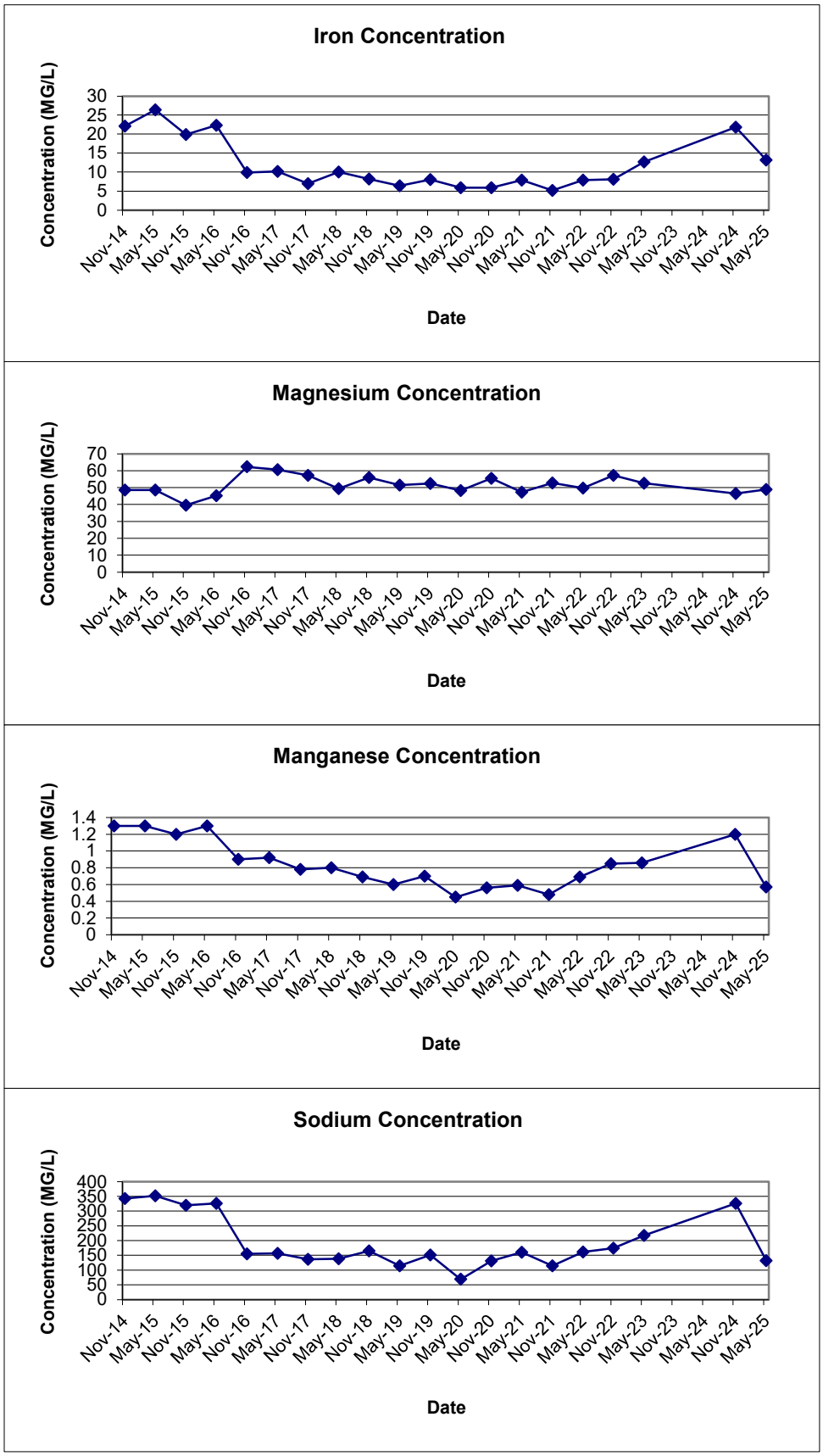


FIGURE E-11
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-26D

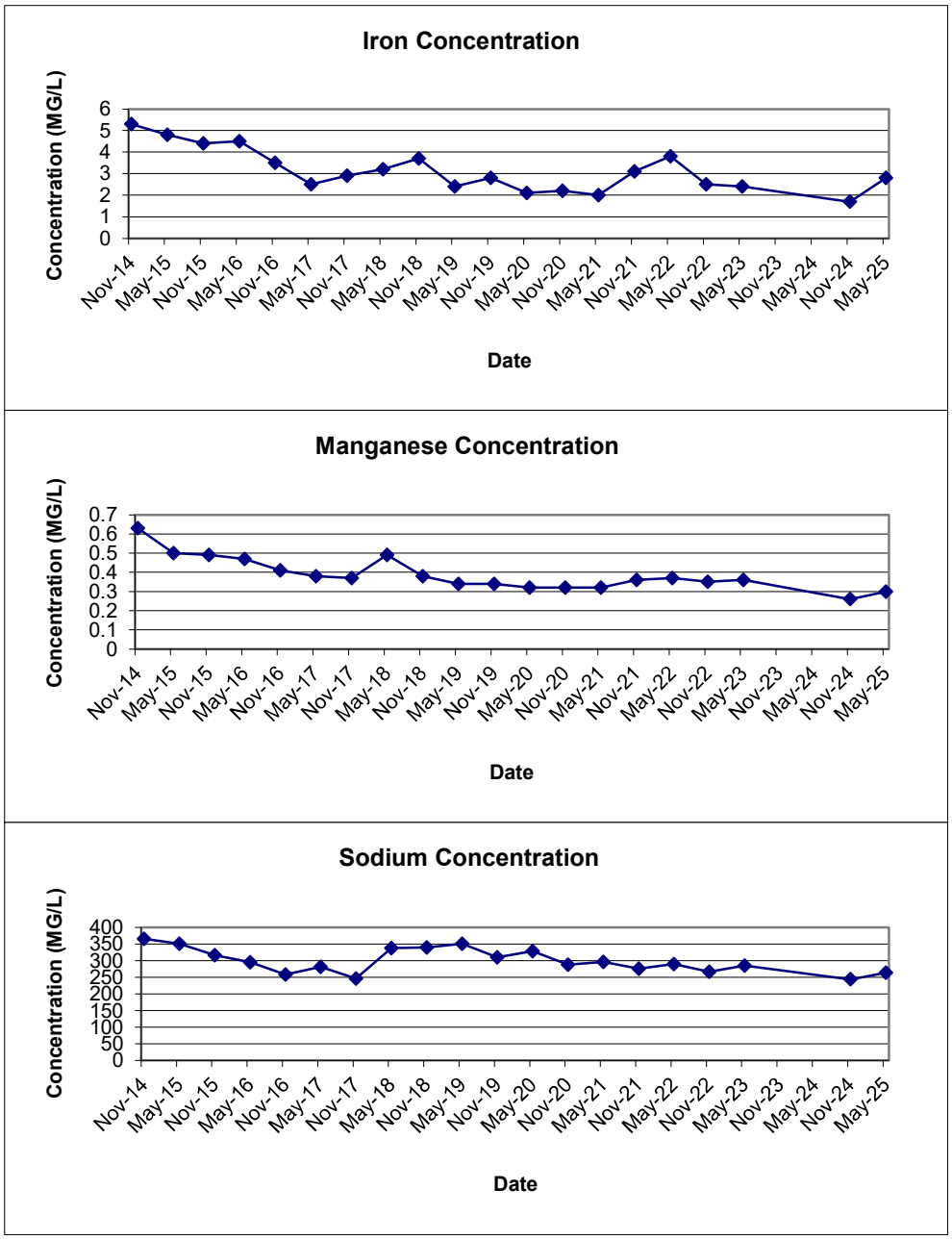


FIGURE E-12
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-28S

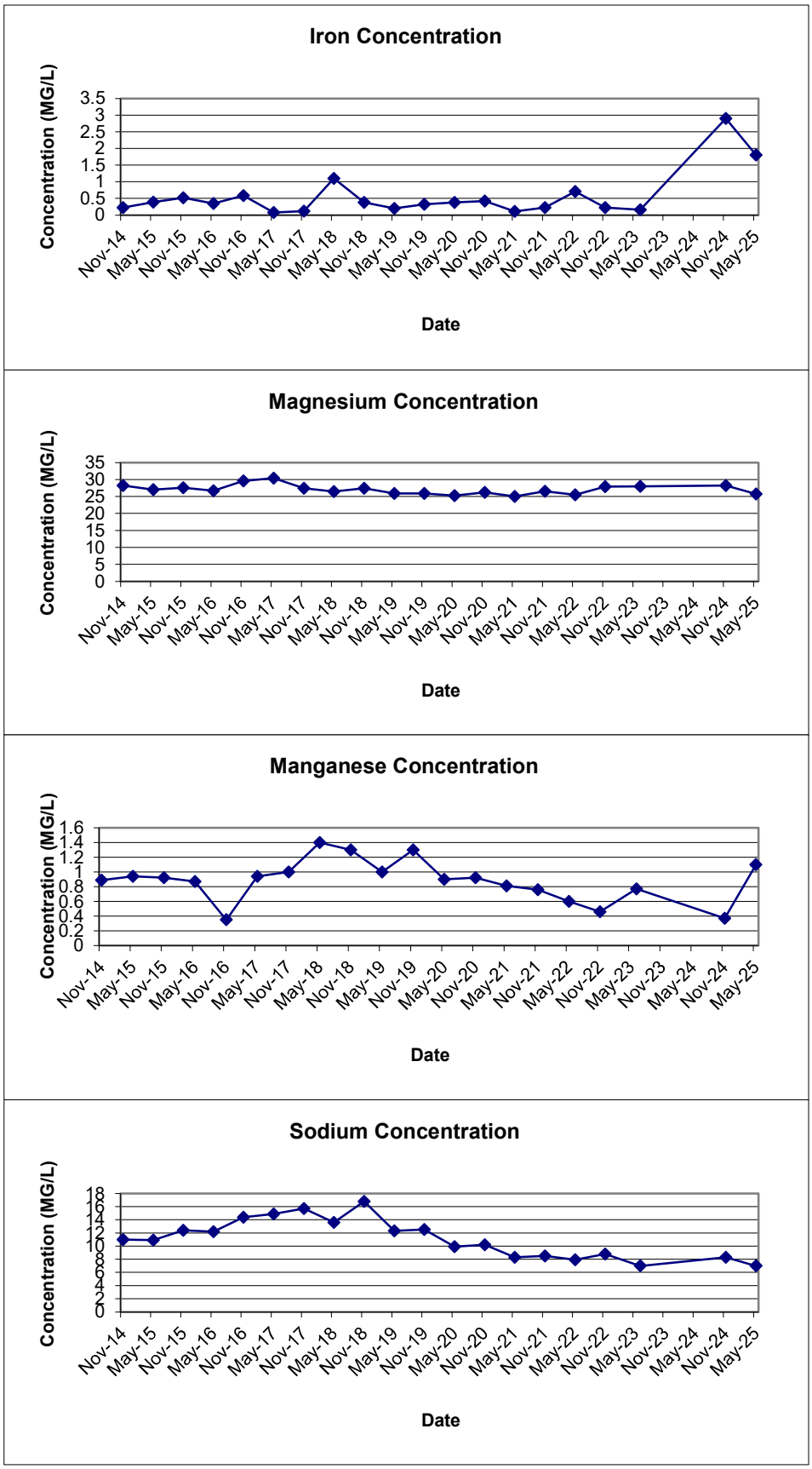


FIGURE E-13
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-29S

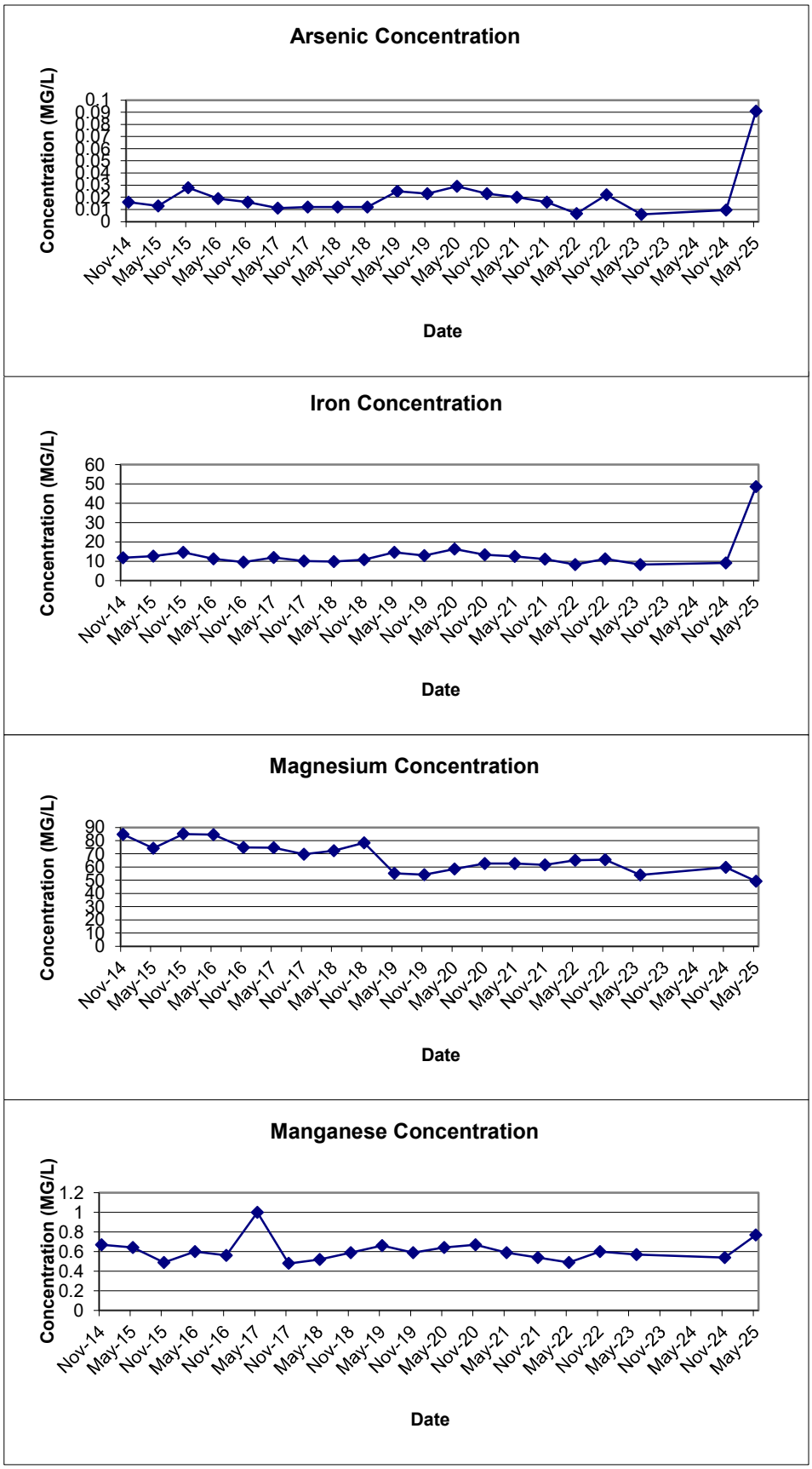


FIGURE E-13
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-29S

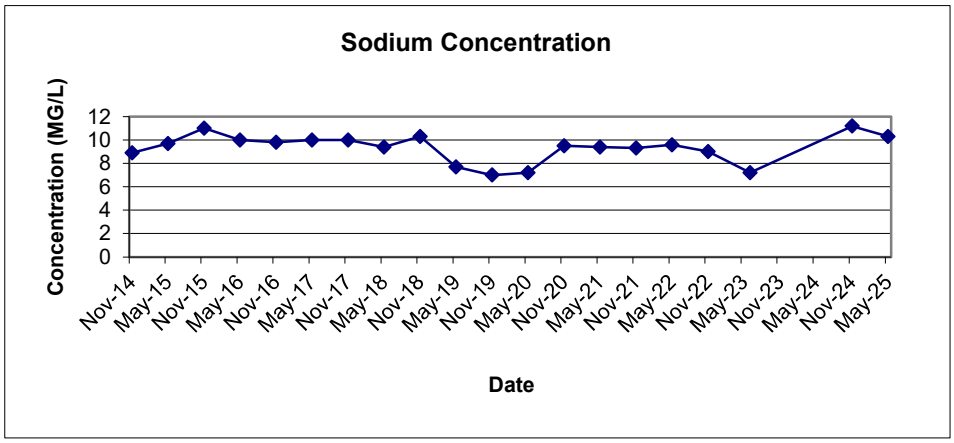


FIGURE E-14
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-30S

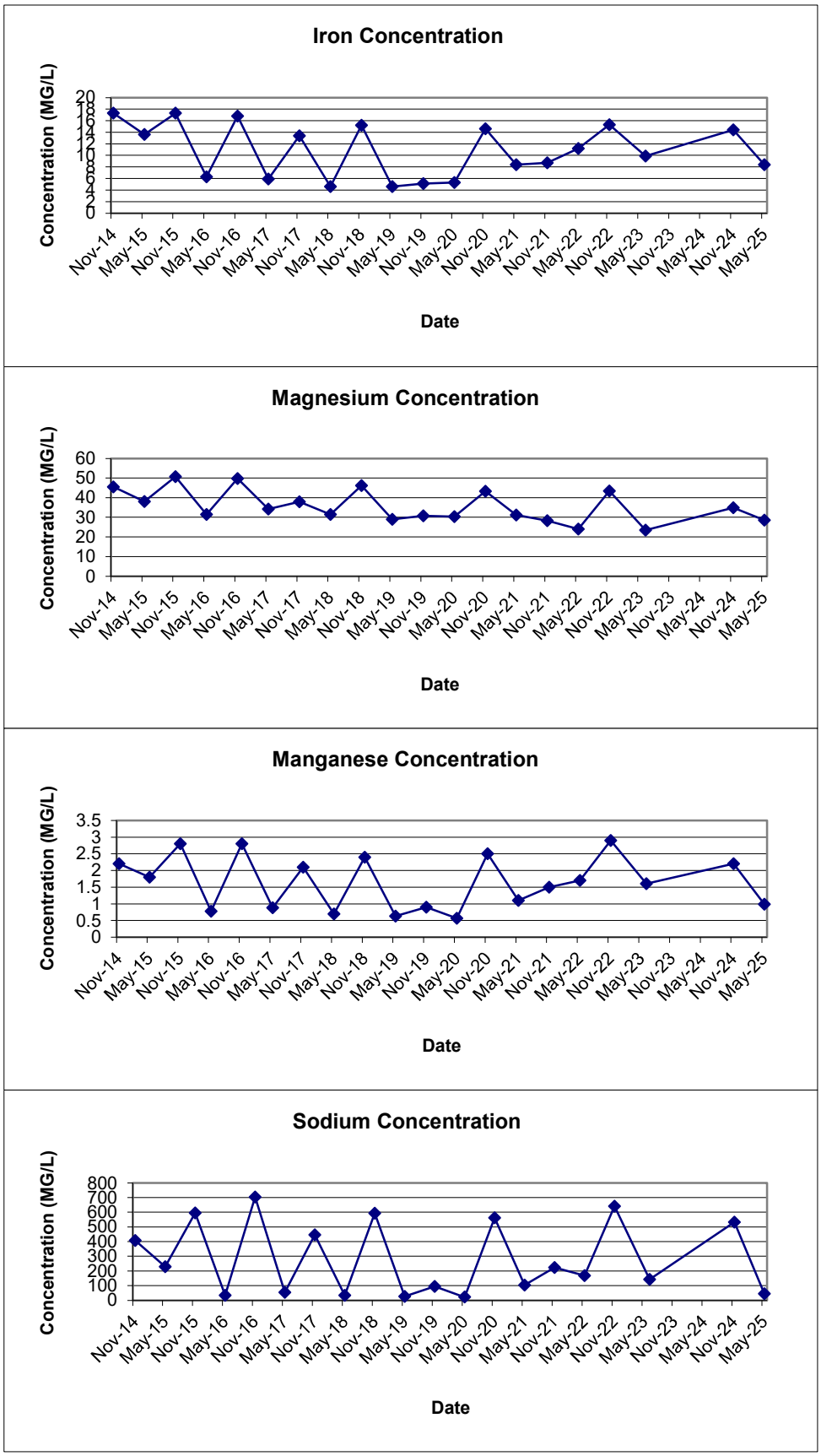


FIGURE E-15
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-31S

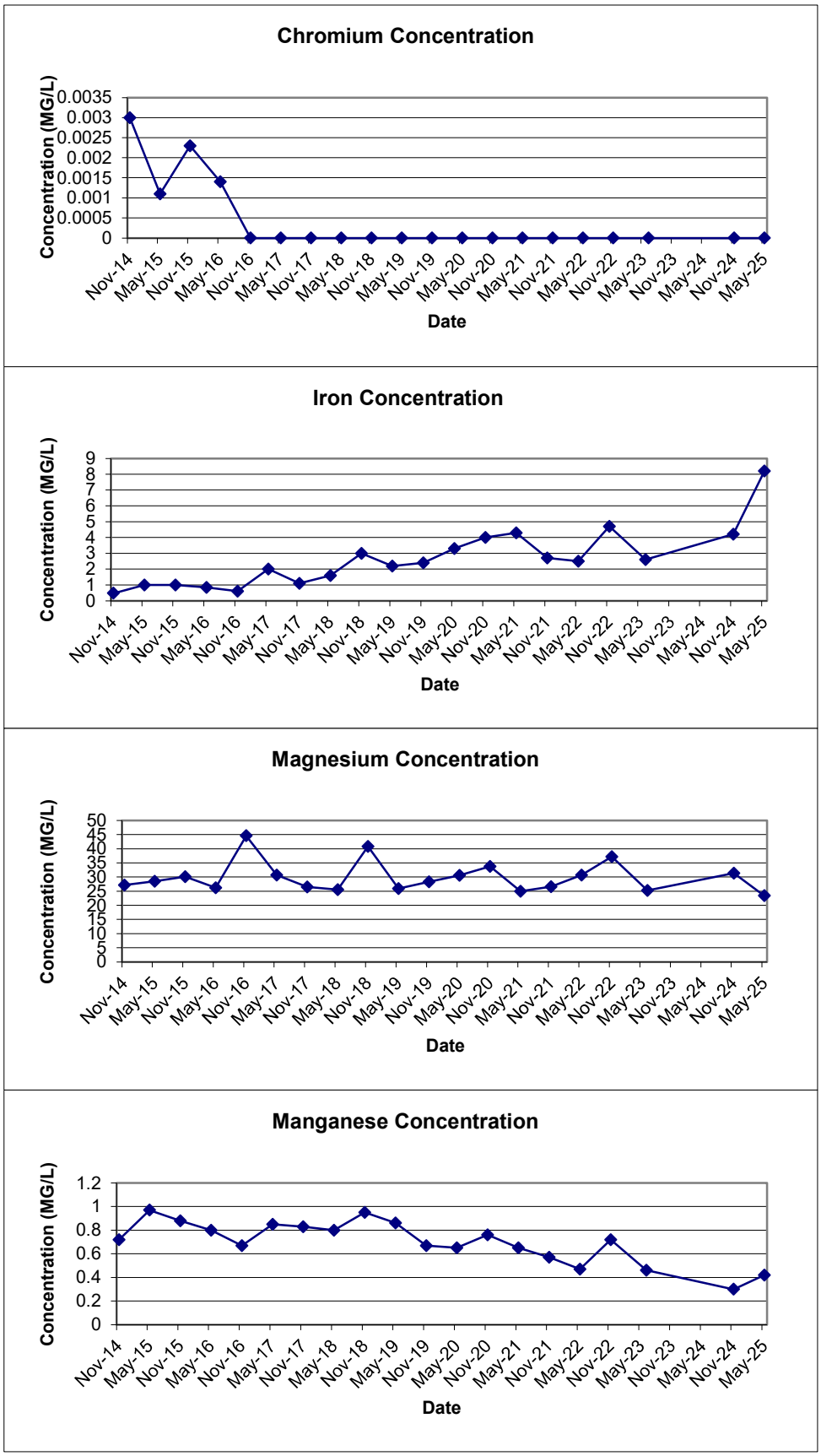


FIGURE E-16
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-32S

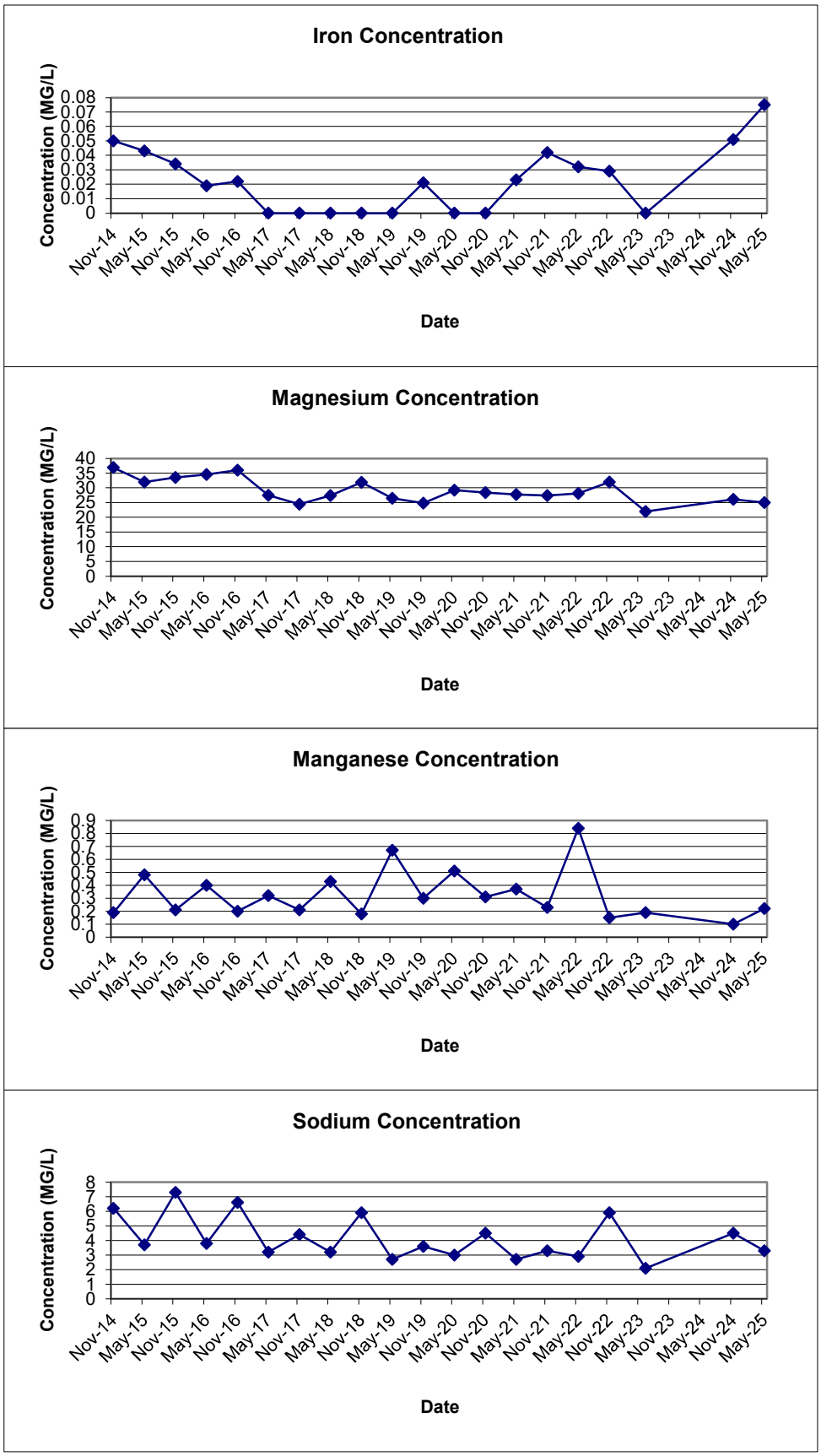


FIGURE E-17
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-33S

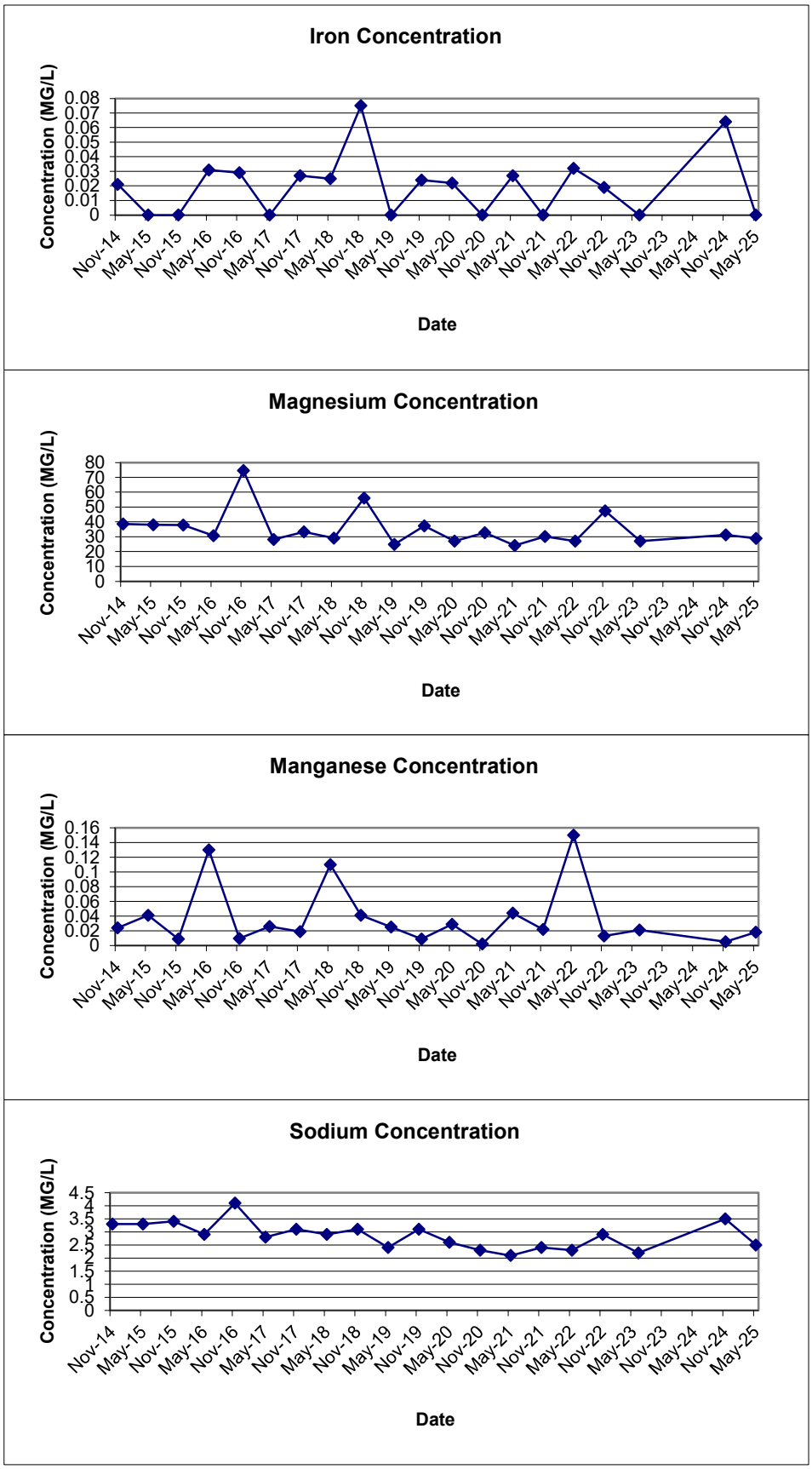


FIGURE E-18
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-34S

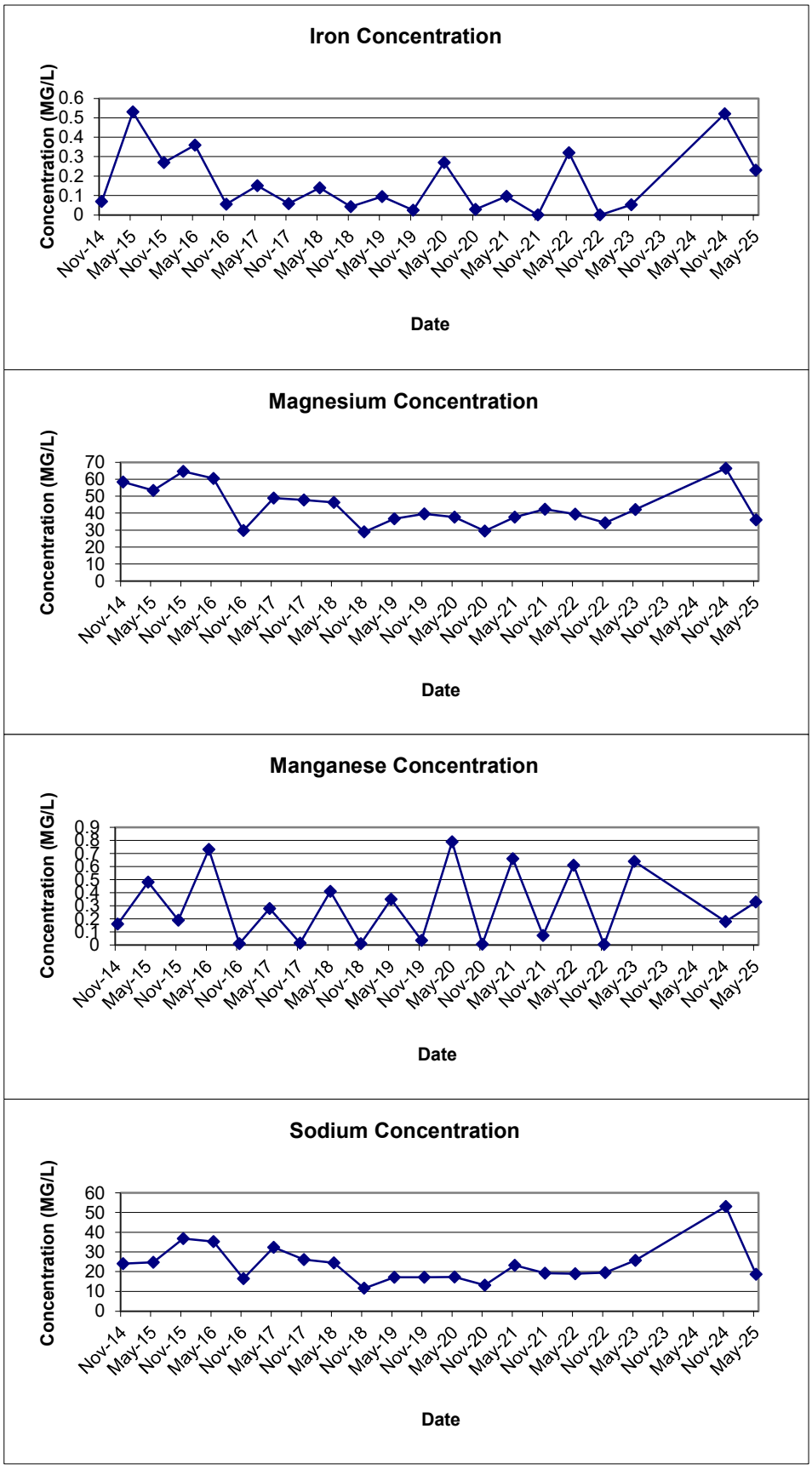
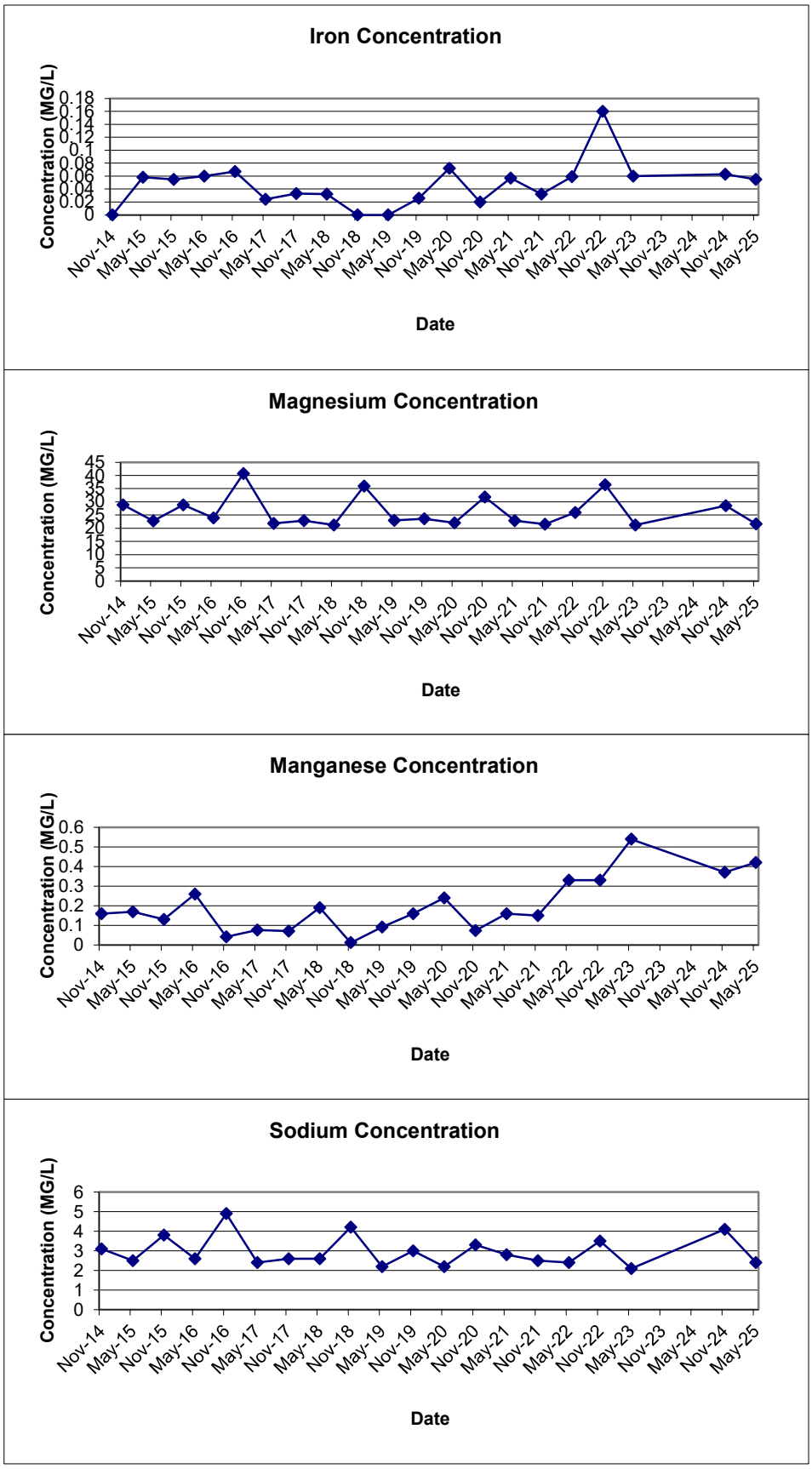


FIGURE E-19
TRENDS OF PARAMETERS HISTORICALLY EXCEEDING GROUNDWATER STANDARDS
IN MONITORING WELL GW-35S



Appendix F BSA Permit 22-07-CH016

AUTHORIZATION TO DISCHARGE UNDER THE ERIE COUNTY/BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NUMBER: 22-07-CH016

USEPA Category: 40 CFR 403

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

THE TOWN OF CHEEKTOWAGA

To discharge wastewater from a facility located at:

PFOHL BROTHERS LANDFILL REMEDIATION SITE

1000 AERO DRIVE

CHEEKTOWAGA, NEW YORK 14225

The wastewater permitted herein shall be discharged to the Town of Cheektowaga sewer system, which is connected to the Buffalo Municipal Sewer System and Treatment facilities, and which wastewater will be treated at the Buffalo Sewer Authority's Treatment Plant.

Issuance of this permit is based upon a permit application filed on **March 21, 2022** analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

RECEIVED
MAY 0 2 2022
ENGINEERING DEPT.

Effective this 1st day of July, 2022

To Expire the 30th day of June, 2025

General Manager, Buffalo Sewer Authority

Issued this 22nd day of April, 2022

PART 1: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge from the permitted facility outfall(s) (see attached map) shall be limited and monitored **quarterly** by the permittee as specified below:

Sampling for the pollutants below will be conducted at Sample 001.

Sample Point 001 is a sampling port located in meter chamber- effluent from MH-25

Sample Point 001 Local Limits

Regulation		Discharge Limit	Discharge Limit	Discharge Limit	Discharge Limit	M.A.I.D.	Sampling Requirement	Sampling Requirement
	Parameter	Daily	Daily[2]	Monthly	Monthly		Time Period	Type [1]
		Conc. mg/L)	Mass (lbs)	Conc. (mg/L)	Mass (lbs)			
403	pH (s.u.)	5.0-12.0	X	X	X	X	1 Day	Grab
403	Total Cadmium[3]	X	0.23	X	X	X	1 Day	Composite
403	Total Chromium [3]	X	1.17	X	X	X	1 Day	Composite
403	Total Copper [3]	X	3.74	X	X	X	1 Day	Composite
403	Total Lead [3]	X	1.17	X	X	X	1 Day	Composite
403	Total Nickel [3]	X	3.27	X	X	X	1 Day	Composite
403	Total Zinc [3]	X	5.84	X	X	X	1 Day	Composite
403	Total Barium [3]	X	23.4	X	X	X	1 Day	Composite
403	Total Suspended Solids [3] [4]	250	X	X	X	X	1 Day	Composite
403	Discharge Flow [7]	187,898 GPD	X	X	X	X	1 Day	Meter [8]

PART 1: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS (Continued)

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall (see attached map) shall be limited and monitored **once** by the permittee as specified below.

403	Total Mercury [3]	X	0.001	X	X	X	1 Day	Composite
403	USEPA Test Method 608 [6]	To be monitored	X	X	X	X	1 Day	Grab [5]
403	USEPA Test Method 624 [6]	To be monitored	X	X	X	X	1 Day	Grab [5]
403	USEPA Test Method 625 [6]	To be monitored	X	X	X	X	1 Day	Grab [5]

PART 1: SPECIFIC CONDITIONS

B. Footnotes:

1. Sampling Requirement, Sampling Type:

    a. Grab sample: A single discreet sample collected over a period that is not to exceed 15 minutes.
    b. Composite sample: The two methods of obtaining a composite sample are flow-proportional composite sampling or time-proportional composite sampling. Please indicate the sampling method utilized.

2. Mass limits based on an average discharge of 28,000 gpd.

3. The Discharge Limitation for these parameters are local discharge limits that the Buffalo Sewer Authority has developed to protect the Bird Island Treatment Plant.

4. Surchargeable over 250 mg/L.

5. Four grab samples must be collected at equally spaced intervals throughout the sample day. The four (4) grab samples must be composited by a NYSDOH certified laboratory prior to analysis.

6. The permittee must report any compound whose concentration is equal to or greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards or harm the sewerage system. Any parameter detected may, at the discretion of the BSA, be specifically limited and incorporated in this permit.

7. Flow is an action level only. If the permittee consistently exceeds this level, the BSA must be notified so that this permit can be modified.

8. The discharge flow meter shall be calibrated by a certified independent contractor on an annual basis.

PART 1: SPECIFIC CONDITIONS

C. DISCHARGE MONITORING REPORTING REQUIREMENTS

1. During the period beginning the effective date of this permit lasting until the expiration date, discharge monitoring results shall be summarized and reported **semi-annually** by the permittee on the days specified below:

Sample Point	Parameter	Initial Report	Subsequent Reports	
001	All except USEPA Test Methods 608, 624, 625, & T. Mercury	**June 30, 2022**	**Every March 31st, June30th, September 30th and December 31st**	

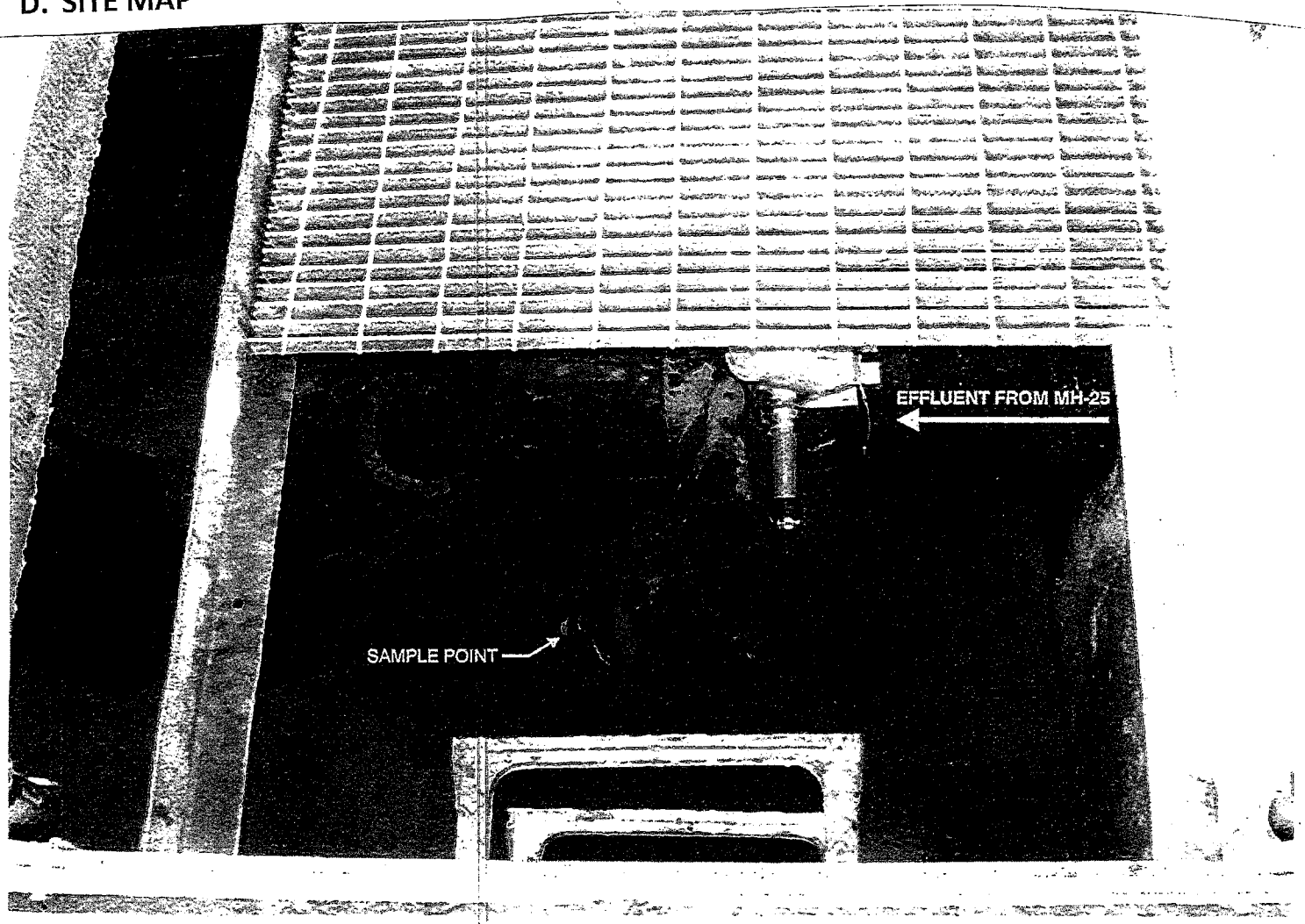
2. During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall (see attached map) shall be limited and monitored **once** by the permittee as specified below.

Sample Point	Parameter	Initial Report	Subsequent Reports	
001	USEPA Test Methods 608, 624, 625, & T. Mercury	**June 30, 2022**		

AG17823-

Part I: SPECIFIC CONDITIONS

D. SITE MAP



URS	PFOHL BROTHERS LANDFILL EFFLUENT SAMPLE POINT	FIGURE 1

PART II GENERAL CONDITIONS

A. MONITORING AND REPORTING

1. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes of the Clean Water Act

2. Definitions

Definitions of terms contained in this permit are as defined in the Town of Cheektowaga Local Law No. 2 and the Buffalo Sewer Authority Sewer Use Regulations.

3. Discharge Sampling Analysis

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet."

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of the permit, the Permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet."

5. Additional Monitoring by Permittee

If the Permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.

6. Reporting

All reports prepared in accordance with this Permit shall be submitted to:

Patrick Bowen, P.E.
Town Engineer
275 Alexander Ave.
Cheektowaga, New York, 14211

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet." These reporting requirements shall not relieve the Permittee of any other reports, which may be required by the

N.Y.S.D.E.C. or the U.S.E.P.A.

B. PERMITTEE REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the TC/BPDES Permit Application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new TC/BPDES Permit Application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.

2. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager and/or Town Engineer.

3. Notification of Slug, Accidental Discharge or Spill

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the Permittee to immediately notify the B.S.A. Treatment Plant at 851-4664 ext 5374 of the quantity and character of such discharge. If requested by the B.S.A., within five (5) days following all such discharges, the Permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

4. Noncompliance Notification

If, for any reason, the Permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the Permittee or their assigns must verbally notify the Industrial Waste Section at 851-4664 ext 5374 within twenty-four (24) hours of becoming aware of the violation. The Permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

a. a description of the discharge and cause of noncompliance and;

b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

5. Adverse Impact

The Permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo and Town Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

6. Waste Residuals

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo or Town Sewer System.

7. Power Failures

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the Permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the Permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

8. Treatment Upsets

a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:

   (i) A description of the upset, its cause(s) and impact on the discharger's compliance status.

   (ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance is continuing, the time by which compliance is reasonably expected to be restored

   (iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.

b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section/Town Engineer for any noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

9. Treatment Bypasses

a. A bypass of the treatment system is prohibited unless the following conditions are met:

(i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or

(ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and

(iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.

b. Industrial users must provide immediate notice to the Industrial Waste Section upon delivery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent its recurrence.

c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

C. PERMITTEE RESPONSIBILITIES

1. Permit Availability

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

2. Inspections

The Permittee shall allow the representatives of the Buffalo Sewer Authority or Town of Cheektowaga upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

3. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Town of Cheektowaga/ Buffalo Sewer Authority permit application prior to discharge to the sewer system.

D. PERMITTEE LIABILITIES

1. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

a. Violation of any terms or conditions of this permit,

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

2. Imminent Danger

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

3. Civil and Criminal Liability

Nothing in this permit shall relieve the Permittee from any requirements, liabilities, or penalties under provisions of the Town of Cheektowaga Local Law No. 2, the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

4. Penalties for Violations of Permit Conditions

The "Sewer Regulations of the Buffalo Sewer Authority" and Town of Cheektowaga Local Law No. 2, provide that any person who violates a B.P.D.E.S. permit condition is liable to the Authority and/or the Town for a civil penalty of up to $10,000 per day for each violation. Any person who willfully or negligently violates permit conditions will be referred to the New York State Attorney General.

E. NATIONAL PRETREATMENT STANDARDS

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

F. PLANT CLOSURE

In the event of plant closure, the Permittee is required to notify the Industrial Waste Section/Town Engineer in writing as soon as an anticipated closure date is determined, but in no case later than five (5) days of the actual closure.

G. CONFIDENTIALITY

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority or Town Engineer of the Town of Cheektowaga. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

H. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NUMBER: 25-07-CH016

USEPA Category: 40 CFR 403

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

THE TOWN OF CHEEKTOWAGA

To discharge wastewater from a facility located at:

PFOHL BROTHERS LANDFILL REMEDIATION SITE

1000 AERO DRIVE

CHEEKTOWAGA, NEW YORK 14225

The wastewater permitted herein shall be discharged to the Town of Cheektowaga sewer system, which is connected to the Buffalo Municipal Sewer System and Treatment facilities, and which wastewater will be treated at the Buffalo Sewer Authority's Treatment Plant.

Issuance of this permit is based upon a permit application filed on **June 2, 2025** analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

Effective this 1st day of July, 2025

To Expire the 30th day of June, 2028

~~General Manager~~, **Buffalo Sewer Authority**

Principal Sanitary Engineer

Issued this 14th day of July, 2025

PART 1: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge from the permitted facility outfall(s) (see attached map) shall be limited and monitored **quarterly** by the permittee as specified below:

Sampling for the pollutants below will be conducted at Sample 001.

Sample Point 001 is a sampling port located in meter chamber- effluent from MH-25

Sample Point 001 Local Limits

Regulation		Discharge Limit	Discharge Limit	Discharge Limit	Discharge Limit	M.A.I.D.	Sampling Requirement	Sampling Requirement
	Parameter	Daily	Daily[2]	Monthly	Monthly		Time Period	Type [1]
		Conc. mg/L)	Mass (lbs)	Conc. (mg/L)	Mass (lbs)			
403	pH (s.u.)	5.0-12.0	X	X	X	X	1 Day	Grab
403	Total Cadmium[3]	X	0.23	X	X	X	1 Day	Composite
403	Total Chromium [3]	X	1.17	X	X	X	1 Day	Composite
403	Total Copper [3]	X	3.74	X	X	X	1 Day	Composite
403	Total Lead [3]	X	1.17	X	X	X	1 Day	Composite
403	Total Nickel [3]	X	3.27	X	X	X	1 Day	Composite
403	Total Zinc [3]	X	5.84	X	X	X	1 Day	Composite
403	Total Barium [3]	X	23.4	X	X	X	1 Day	Composite
403	Total Suspended Solids [3] [4]	250	X	X	X	X	1 Day	Composite
403	Discharge Flow [7]	187,898 GPD	X	X	X	X	1 Day	Meter [8]

PART 1: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS (Continued)

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall (see attached map) shall be limited and monitored **once** by the permittee as specified below.

403	Total Mercury [3]	X	0.001	X	X	X	1 Day	Composite
403	USEPA Test Method 608 [6]	To be monitored	X	X	X	X	1 Day	Grab [5]
403	USEPA Test Method 624 [6]	To be monitored	X	X	X	X	1 Day	Grab [5]
403	USEPA Test Method 625 [6]	To be monitored	X	X	X	X	1 Day	Grab [5]

PART 1: SPECIFIC CONDITIONS

B. Footnotes:

1. Sampling Requirement, Sampling Type:

    a. Grab sample: A single discreet sample collected over a period that is not to exceed 15 minutes.
    b. Composite sample: The two methods of obtaining a composite sample are flow-proportional composite sampling or time-proportional composite sampling. Please indicate the sampling method utilized.

2. Mass limits based on an average discharge of 28,000 gpd.

3. The Discharge Limitation for these parameters are local discharge limits that the Buffalo Sewer Authority has developed to protect the Bird Island Treatment Plant.

4. Surchargeable over 250 mg/L.

5. Four grab samples must be collected at equally spaced intervals throughout the sample day. The four (4) grab samples must be composited by a NYSDOH certified laboratory prior to analysis.

6. The permittee must report any compound whose concentration is equal to or greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards or harm the sewerage system. Any parameter detected may, at the discretion of the BSA, be specifically limited and incorporated in this permit.

7. Flow is an action level only. If the permittee consistently exceeds this level, the BSA must be notified so that this permit can be modified.

8. The discharge flow meter shall be calibrated by a certified independent contractor on an annual basis.

C. DISCHARGE MONITORING REPORTING REQUIREMENTS

1. During the period beginning the effective date of this permit lasting until the expiration date, discharge monitoring results shall be summarized and reported **semi-annually** by the permittee on the days specified below:

Sample Point	Parameter	Initial Report	Subsequent Reports	
001	All except USEPA Test Methods 608, 624, 625, & T. Mercury	**June 30, 2025**	**Every March 31st, June30th, September 30th and December 31st**	

2. During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall (see attached map) shall be limited and monitored **once** by the permittee as specified below.

Sample Point	Parameter	Initial Report	Subsequent Reports	
001	USEPA Test Methods 608, 624, 625, & T. Mercury	**June 30, 2025**		

Part I: SPECIFIC CONDITIONS

D. Sample Point

AG17823-11172/00-102502-CYT



URS	PFOHL BROTHERS LANDFILL EFFLUENT SAMPLE POINT	FIGURE 1

Part I: SPECIFIC CONDITIONS

E. SITE MAP

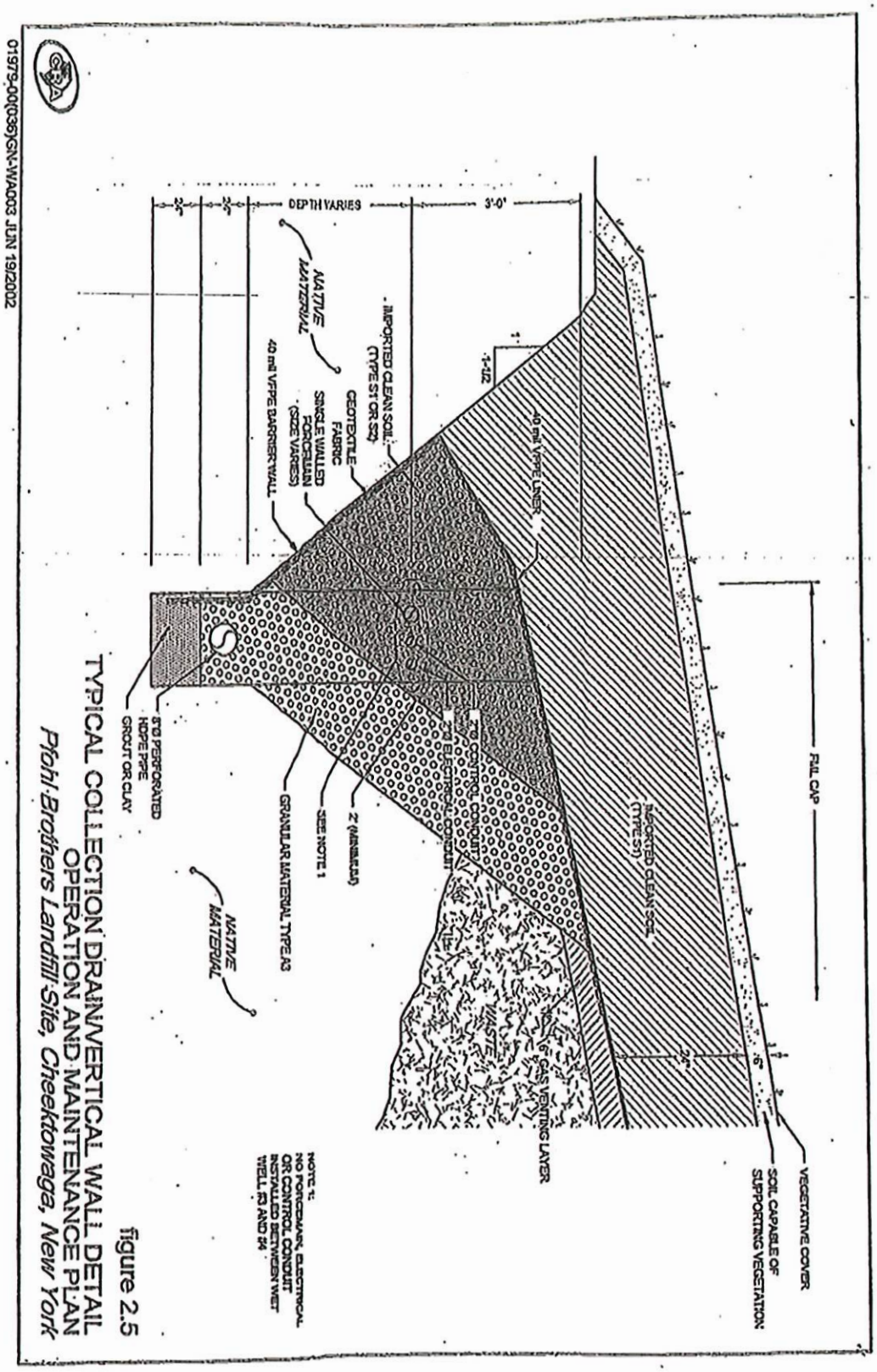
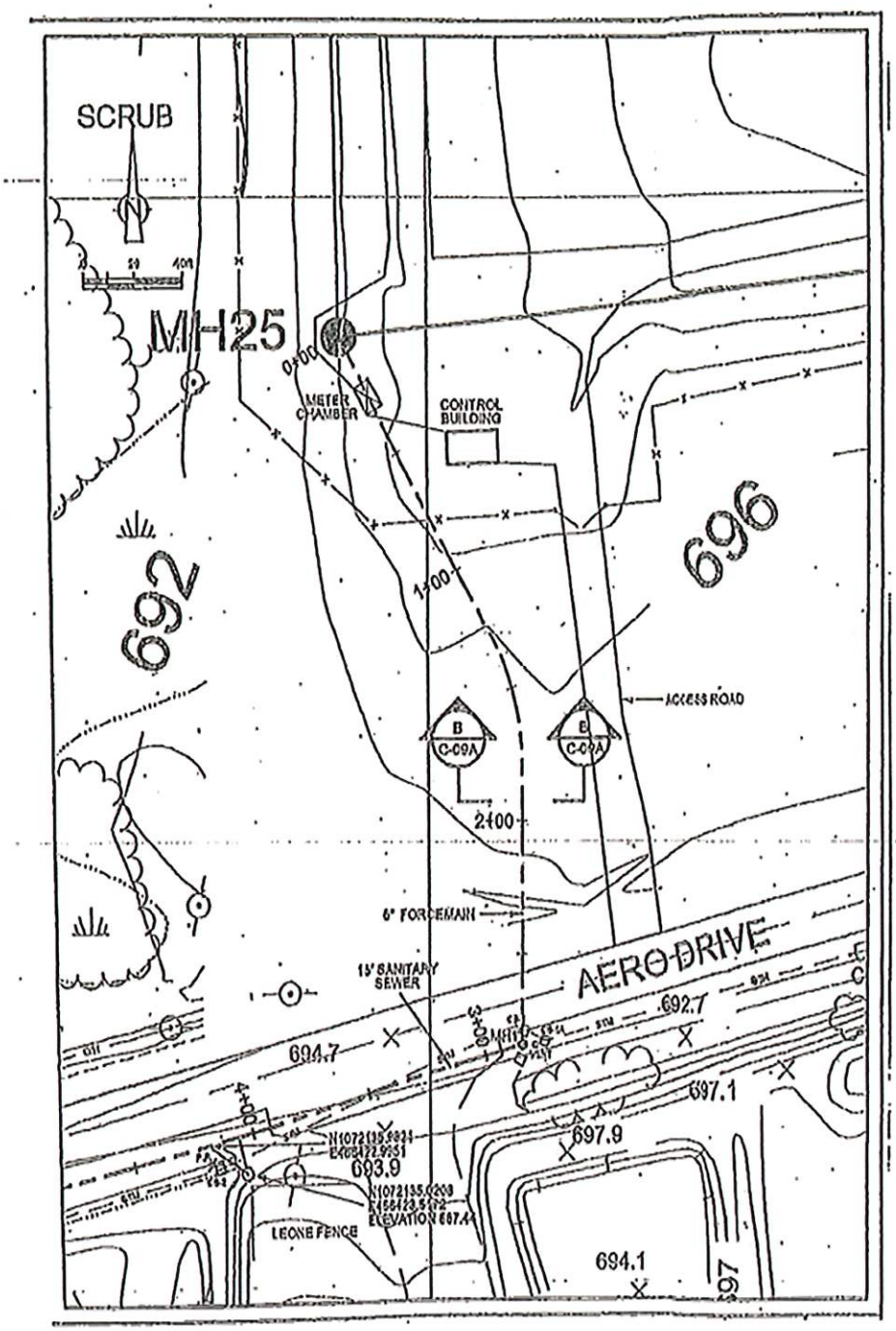


figure 2.5
TYPICAL COLLECTION DRAIN/VERTICAL WALL DETAIL
OPERATION AND MAINTENANCE PLAN
Pfohl Brothers Landfill Site, Cheektowaga, New York

Part I: SPECIFIC CONDITIONS

F. SITE MAP



BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PART II: GENERAL CONDITIONS

A. MONITORING AND REPORTING

1. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

2. Definitions

Definitions of terms contained in this permit are as defined in the Buffalo Sewer Authority Sewer Use Regulations.

3. Discharge Sampling Analysis

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet".

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of the permit, the permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet".

5. Additional Monitoring by Permittee

If the permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.

6. Reporting

All reports prepared in accordance with this Permit shall be submitted to:

Industrial Waste Section
Buffalo Sewer Authority Treatment Plant
90 West Ferry Street
Buffalo, New York 14213

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet". These reporting requirements shall not relieve the permittee of any other reports, which may be required by the N.Y.S.D.E.C. or the U.S.E.P.A.

B. PERMITTEE REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the BPDES permit application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new BPDES Permit application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.

2. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager.

3. Notification of Slug, Accidental Discharge or Spill

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the permittee to immediately notify the B.S.A. Treatment Plant at 883-1820 of the quantity and character of such discharge. If requested by the B.S.A., within five (5) days following all such discharges, the permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

4. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the permittee or their assigns must verbally notify the Industrial Waste Section at 883-1820 within twenty-four (24) hours of becoming aware of the violation. The permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

a. a description of the discharge and cause of noncompliance and;

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

5. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

6. Waste Residuals

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo Sewer System.

7. Power Failures

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

8. Treatment Upsets

a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:

   (i) A description of the upset, its cause(s) and impact on the discharger's compliance status;

   (ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the non-compliance is continuing, the time by which compliance is reasonably expected to be restored;

   (iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.

b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section for any noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

9. Treatment Bypasses

a. A bypass of the treatment system is prohibited unless the following conditions are met:

(i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or

(ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and

(iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.

b. Industrial users must provide immediate notice to the Industrial Waste Section upon discovery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent it's recurrence.

c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

C. PERMITTEE RESPONSIBILITIES

1. Permit Availability

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

2. Inspections

The permittee shall allow the General Manager of the Buffalo Sewer Authority and/or his authorized representatives, upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

3. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Buffalo Sewer Authority permit application prior to discharge to the sewer system.

D. PERMITTEE LIABILITIES

1. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

a. Violation of any terms or conditions of this permit,

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

2. Imminent Danger

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

3. Civil and Criminal Liability

Nothing in this permit shall relieve the permittee from any requirements, liabilities, or penalties under provisions of the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

4. Penalties for Violations of Permit Conditions

The "Sewer Regulations of the Buffalo Sewer Authority" and the "Sewer Regulations for Erie County Sewer Districts" provides that any person who violates a B.P.D.E.S. permit condition is liable to the Authority for a civil penalty of up to $10,000.00 per day for each violation. Any person who willfully or negligently violates permit conditions will be referred to the New York State Attorney General.

E. NATIONAL PRETREATMENT STANDARDS

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

F. PLANT CLOSURE

In the event of plant closure, the permittee is required to notify the Industrial Waste Section in writing as soon as an anticipated closure date is determined, but in no case later than five days of the actual closure.

G. CONFIDENTIALITY

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

H. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

Appendix G Discharge Report Summary Tables

SAMPLING FIELD SHEET

AECOM

Client Name: Pfohl Brothers Landfill

Address: Aero Drive, Cheektowaga, NY

Contact: Patrick T. Bowen, P.E. Phone: 716-897-7288

Installation:

Sample Point: SP-001

Sample Location: Meter Chamber - ball valve on 6" HDPE forcemain

Date: 3/19/25 Crew: R. Murphy, T. Urban

Weather: 75 °F, sunny, windy

Sampling Device: NA

Time of Installation: 13:50 Type of Sample: Composite

Sample Interval: NA Sample Volume: NA

Comments and Observations: Wells WW-04 and WW-05 running at the time of sample set-up.
PLC display volumes: WW-01 (91,313 gals), WW-02 (94 gals), WW-03 (3 gals),
WW-04 (1,204,431 gals), WW-05 (1,781,207 gals), WW-06 (2,638,356 gals) & MH-25 (6,535,870 gals).

Date: 3/20/25 Crew: R. Murphy, T. Urban

Weather: 48 °F, cloudy, windy

Time of Collection: 13:50

Field Measurements:

13:50/RJM
(time/initial)

pH Calibration: Buffer 7- 7.02 Buffer 4- 3.98 Buffer 10- 10.00

pH Measurement: 7.74 Oakton pH Tester30, s/n T311487089

Temperature: 8.8 °C

Identification: EFF-032025 for TSS and Metals

Physical Observations: Light orange tint

Laboratory: Eurofins Buffalo, Amherst, NY

Comments: Wells WW-04 and WW-05 running at the time of sample collection.
PLC display volumes: WW-01 (91,313 gals), WW-02 (94 gals), WW-03 (3 gals),
WW-04 (1,213,874 gals), WW-05 (1,795,032 gals), WW-06 (2,638,356 gals) & MH-25 (6,559,118 gals).

Reviewed By: Robert J Murphy Date: 3/20/25
(Supervisor)

TABLE 1

PFOHL BROTHERS LANDFILL - EFFLUENT MONITORING
ANALYTICAL RESULTS, TOTAL FLOW, AND MASS LOADINGS
MARCH 2025

Sample ID	EFF-032025			
Matrix	Effluent Water			
Date Sampled	3/20/2025			
Parameter	**Result**	**Mass Loading**	**Discharge Limitation**	**Violations**
	(mg/L)	**(lbs/day)**	**(lbs/day)**	**(Yes/No)**
Total Barium	0.38	0.07	23.4	No
Total Cadmuim	<(1) 0.00050	< 0.00010	0.23	No
Total Chromium	< 0.0024	< 0.0005	1.17	No
Total Copper	< 0.0045	< 0.0009	3.74	No
Total Lead	< 0.0039	< 0.0008	1.17	No
Total Nickel	0.0039 J	0.0008	3.27	No
Total Zinc	< 0.0068	< 0.0013	5.84	No
Total Suspended Solids	4.4	NA(2)	250 (3)	No
pH (4)	7.9	NA	5.0 - 12.0	No
Total Flow (5)	23,248		187,898	No

Notes:

(1) < = Compound not detected, method detection limit shown
(2) NA = Not Applicable
(3) Discharge Limitation in units of mg/L
(4) pH measurement and Discharge Limitation in Standard Units
(5) Total Flow reported in gallons, sample was collected over a 24 hour period
J Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Calculation: $$\left(\frac{x\ mg}{L}\right)\left(\frac{y\ gal}{day}\right)\left(\frac{1\ lb}{453{,}600\ mg}\right)\left(\frac{3.785\ L}{gal}\right) = \frac{x \times y}{119{,}841}\ \frac{lb}{day}$$

mg = milligrams
gal = gallons
L = Liters
lb(s) = pound(s)

SAMPLING FIELD SHEET

AECOM

Client Name: Pfohl Brothers Landfill

Address: Aero Drive, Cheektowaga, NY

Contact: Patrick T. Bowen, P.E. Phone: 716-897-7288

Installation:

Sample Point: SP-001

Sample Location: Meter Chamber - ball valve on 6" HDPE forcemain

Date: 6/17/25 Crew: R. Murphy, C. Horrocks

Weather: 77 °F, cloudy

Sampling Device: NA

Time of Installation: 12:10 Type of Sample: Composite

Sample Interval: NA Sample Volume: NA

Comments and Observations: Well WW-04 running at the time of sample set-up.
PLC display volumes: WW-01 (425,741 gals), WW-02 (118 gals), WW-03 (15 gals),
WW-04 (1,418,780 gals), WW-05 (2,541,442 gals), WW-06 (3,356,953 gals) & MH-25 (8,666,045 gals).

Date: 6/18/25 Crew: R. Murphy, C. Horrocks

Weather: 76 °F, cloudy, humid

Time of Collection: 12:10

Field Measurements:

12:10/RJM (time/initial)

pH Calibration: Buffer 7- 7.0 Buffer 4- 4.0 Buffer 10- 10.0

pH Measurement: 7.00 Oakton pH1 pH Tester, s/n T111406064

Temperature: 18.2 °C

Identification: EFF-061825 for TSS and Metals

Physical Observations: Light orange tint, some orange particulates.

Laboratory: Eurofins Buffalo, Amherst, NY

Comments: Wells WW-01 and WW-04 running at the time of sample collection.
PLC display volumes: WW-01 (473,460 gals), WW-02 (118 gals), WW-03 (15 gals),
WW-04 (1,429,657 gals), WW-05 (2,538,540 gals), WW-06 (3,356,953 gals) & MH-25 (8,723,608 gals).

Reviewed By: Robert J Murphy Date: 6/18/25
(Supervisor)

TABLE 1

PFOHL BROTHERS LANDFILL - EFFLUENT MONITORING
ANALYTICAL RESULTS, TOTAL FLOW, AND MASS LOADINGS
JUNE 2025

Sample ID	EFF-061825			
Matrix	Effluent Water			
Date Sampled	6/18/2025			
Parameter	**Result**	**Mass Loading**	**Discharge Limitation**	**Violations**
	(mg/L)	**(lbs/day)**	**(lbs/day)**	**(Yes/No)**
Total Barium	0.38	0.2	23.4	No
Total Cadmuim	<(1) 0.00050	< 0.0002	0.23	No
Total Chromium	< 0.0024	< 0.001	1.17	No
Total Copper	0.0050 J	0.002	3.74	No
Total Lead	< 0.0039	< 0.002	1.17	No
Total Nickel	< 0.0034	< 0.002	3.27	No
Total Zinc	< 0.0068	< 0.003	5.84	No
Total Suspended Solids	15.6	NA(2)	250 (3)	No
pH (4)	7.0	NA	5.0 - 12.0	No
Total Flow (5)	57,563		187,898	No

Notes:

(1) < = Compound not detected, method detection limit shown
(2) NA = Not Applicable
(3) Discharge Limitation in units of mg/L
(4) pH measurement and Discharge Limitation in Standard Units
(5) Total Flow reported in gallons, sample was collected over a 24 hour period
J Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Calculation: $\left(\frac{x\ mg}{L}\right)\left(\frac{y\ gal}{day}\right)\left(\frac{1\ lb}{453{,}600\ mg}\right)\left(\frac{3.785\ L}{gal}\right) = \frac{x \times y}{119{,}841}\ \frac{lb}{day}$

mg = milligrams
gal = gallons
L = Liters
lb(s) = pound(s)

SAMPLING FIELD SHEET

AECOM

Client Name: Pfohl Brothers Landfill

Address: Aero Drive, Cheektowaga, NY

Contact: Patrick T. Bowen, P.E. Phone: 716-897-7288

Installation:

Sample Point: SP-001

Sample Location: Meter Chamber - ball valve on 6" HDPE forcemain

Date: 9/15/25 Crew: R. Murphy, T. Urban

Weather: 52 °F, partly cloudy

Sampling Device: NA

Time of Installation: 8:00 Type of Sample: Composite and Grabs (every 8 hours)

Sample Interval: NA Sample Volume: NA

Comments and Observations: Well WW-04 running at the time of sample set-up.
PLC display volumes: WW-01 (296,327 gals), WW-02 (0 gals), WW-03 (6,381 gals),
WW-04 (836,150 gals), WW-05 (-238,638 gals), WW-06 (0 gals) & MH-25 (1,139,220 gals).

Date: 9/16/25 Crew: R. Murphy, T. Urban

Weather: 56 °F, clear

Time of Collection: 8:00

Field Measurements:

8:00/RJM
(time/initial)

pH Calibration: Buffer 7- 7.0 Buffer 4- 4.0 Buffer 10- 10.0

pH Measurement: 7.08 Oakton pH1 pH Tester, s/n T111406064

Temperature: 17.2 °C

Identification: EFF-091625 for TSS and Metals, Individual Grabs for Lab Composite (EFF-091525-1, EFF-091525-2,EFF-091625-3, and EFF-091625-4)

Physical Observations: Light orange tint.

Laboratory: Eurofins Buffalo, Amherst, NY

Comments: Wells WW-01 and WW-04 running at the time of sample collection.
PLC display volumes: WW-01 (296,327 gals), WW-02 (0 gals), WW-03 (6,381 gals),
WW-04 (849,150 gals), WW-05 (-241,391 gals), WW-06 (0 gals) & MH-25 (1,152,286 gals).

Reviewed By: Robert J Murphy Date: 9/16/25
(Supervisor)

TABLE 1

PFOHL BROTHERS LANDFILL - EFFLUENT MONITORING
ANALYTICAL RESULTS, TOTAL FLOW, AND MASS LOADINGS
SEPTEMBER 2025

Sample ID	EFF-091625			
Matrix	Effluent Water			
Date Sampled	9/16/2025			
Parameter	**Result**	**Mass Loading**	**Discharge Limitation**	**Violations**
	(mg/L)	**(lbs/day)**	**(lbs/day)**	**(Yes/No)**
Total Barium	0.34	0.04	23.4	No
Total Cadmuim	0.00087 JB	0.0001	0.23	No
Total Chromium	<[1] 0.0024	< 0.0003	1.17	No
Total Copper	0.0086 J	0.0009	3.74	No
Total Lead	< 0.0039	< 0.0004	1.17	No
Total Nickel	0.0038 J	0.0004	3.27	No
Total Zinc	< 0.0068	< 0.0007	5.84	No
Total Suspended Solids	17.2	NA[2]	250 [3]	No
pH [4]	7.08	NA	5.0 - 12.0	No
Total Flow [5]	13,066		187,898	No
Once Per Permit Monitoring[6]				
Total Mercury	< 0.000042	< 0.000005	0.001	No
USEPA Test Method 608	No Detects	NA	Concentration to be monitored	NA
USEPA Test Method 624 Chlorobenzene	One Detect >0.01 0.029	NA		NA
USEPA Test Method 625	No Detects >0.01	NA		NA

Notes:

(1) < = Compound not detected, method detection limit shown
(2) NA = Not Applicable
(3) Discharge Limitation in units of mg/L
(4) pH measurement and Discharge Limitation in Standard Units
(5) Total Flow reported in gallons, sample was collected over a 24 hour period
(6) For USEPA Test Methods 608, 624, and 625: The permittee must report any compound whose concentration is equal to or greater than 0.01 mg/L. Detections less than 0.01 mg/L are not shown.

J Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

B Compound was found in the blank and sample.

Calculation: $$\left(\frac{x\ mg}{L}\right)\left(\frac{y\ gal}{day}\right)\left(\frac{1\ lb}{453{,}600\ mg}\right)\left(\frac{3.785\ L}{gal}\right) = \frac{x \times y}{119{,}841}\ \frac{lb}{day}$$

mg = milligrams
gal = gallons
L = Liters
lb(s) = pound(s)

SAMPLING FIELD SHEET

AECOM

Client Name: Pfohl Brothers Landfill

Address: Aero Drive, Cheektowaga, NY

Contact: Patrick T. Bowen, P.E. Phone: 716-897-7288

Installation:

Sample Point: SP-001

Sample Location: Meter Chamber - ball valve on 6" HDPE forcemain

Date: 12/3/25 Crew: R. Murphy, T. Urban

Weather: 28 °F, cloudy

Sampling Device: NA

Time of Installation: 9:00 Type of Sample: Composite and Grabs (every 8 hours)

Sample Interval: NA Sample Volume: NA

Comments and Observations: Well WW-04 running at the time of sample set-up.
PLC display volumes: WW-01 (886,861 gals), WW-02 (0 gals), WW-03 (15,084 gals),
WW-04 (1,411,580 gals), WW-05 (-241,468 gals), WW-06 (327,177 gals) & MH-25 (2,641,536 gals).

Date: 12/4/25 Crew: R. Murphy, T. Urban

Weather: 28 °F, light snow

Time of Collection: 9:00

Field Measurements:

9:00/RJM
(time/initial)

pH Calibration: Buffer 7- 7.00 Buffer 4- 4.01 Buffer 10- 10.01

pH Measurement: 6.91 Oakton pH Tester 30, s/n T311487089

Temperature: 7.8 °C

Identification: EFF-120425 for TSS and Metals

Physical Observations: Light orange tint, some orange particulates.

Laboratory: Eurofins Buffalo, Amherst, NY

Comments: Wells WW-01 and WW-04 running at the time of sample collection.
PLC display volumes: WW-01 (886,861 gals), WW-02 (0 gals), WW-03 (15,084 gals),
WW-04 (1,419,347 gals), WW-05 (-241,468 gals), WW-06 (337,010 gals) & MH-25 (2,658,649 gals).

Reviewed By: Robert J Murphy Date: 12/4/25
(Supervisor)

TABLE 1

PFOHL BROTHERS LANDFILL - EFFLUENT MONITORING ANALYTICAL RESULTS, TOTAL FLOW, AND MASS LOADINGS DECEMBER 2025

Sample ID	EFF-120425			
Matrix	Effluent Water			
Date Sampled	12/4/2025			
Parameter	**Result**	**Mass Loading**	**Discharge Limitation**	**Violations**
	(mg/L)	**(lbs/day)**	**(lbs/day)**	**(Yes/No)**
Total Barium	0.19	0.03	23.4	No
Total Cadmuim	<(1) 0.00050	< 0.00007	0.23	No
Total Chromium	< 0.0024	< 0.0003	1.17	No
Total Copper	< 0.0045	< 0.0006	3.74	No
Total Lead	< 0.0039	< 0.0006	1.17	No
Total Nickel	< 0.0034	< 0.0005	3.27	No
Total Zinc	< 0.0068	< 0.0010	5.84	No
Total Suspended Solids	< 4.0	< NA(2)	250 (3)	No
pH (4)	6.91	NA	5.0 - 12.0	No
Total Flow (5)	17,113		187,898	No

Notes:

(1) < = Compound not detected, method detection limit shown
(2) NA = Not Applicable
(3) Discharge Limitation in units of mg/L
(4) pH measurement and Discharge Limitation in Standard Units
(5) Total Flow reported in gallons, sample was collected over a 24 hour period

Calculation: $$\left(\frac{x\ mg}{L}\right)\left(\frac{y\ gal}{day}\right)\left(\frac{1\ lb}{453{,}600\ mg}\right)\left(\frac{3.785\ L}{gal}\right) = \frac{x \times y}{119{,}841}\ \frac{lb}{day}$$

mg = milligrams
gal = gallons
L = Liters
lb(s) = pound(s)

Appendix H Monitoring Well Inspection Logs

WELL INSPECTION SUMMARY

Project Name: *Pfohl Brothers Landfill* Project Number: *60411174*

Inspection Crew Members: *C.Horrocks, D. VanMarter* Supervisor: *R. Murphy*

Date(s) of Inspection: *May 21, 2025*

Well I.D. Number	*Lock*	*Surface Seal*	*Protective Casing*	*Riser*	*Water Level (ft. BTOC)*	*Well Depth (ft. BTOC)*	*Other Comments*
GW-01S	OK	OK	OK	Bulged	4.27	14.94	
GW-01D	OK	OK	OK	Bulged	3.13	39.65	
GW-03S	OK	OK	OK	OK	3.11	13.56	
GW-03D	OK	OK	OK	OK	1.85	35.70	
GW-04S	OK	OK	OK	OK	4.53	16.23	
GW-04D	OK	OK	OK	OK	11.83	45.57	
GW-07S	OK	OK	OK	OK	5.04	35.33	
GW-07D	OK	OK	OK	Damaged	44.80	60.83	

Additional Comments: _____

_____

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WELL INSPECTION SUMMARY

Project Name: *Pfohl Brothers Landfill* Project Number: *60411174*

Inspection Crew Members: *C.Horrocks, D. VanMarter* Supervisor: *R. Murphy*

Date(s) of Inspection: *May 21, 2025*

Well I.D. Number	*Lock*	*Surface Seal*	*Protective Casing*	*Riser*	*Water Level (ft. BTOC)*	*Well Depth (ft. BTOC)*	*Other Comments*
GW-08SR	OK	OK	OK	OK	6.02	13.02	
GW-08D	OK	OK	OK	OK	5.86	36.54	
GW-26D	OK	OK	OK	OK	6.70	40.70	
GW-28S	OK	OK	OK	OK	9.25	15.52	
GW-29S	OK	OK	OK	OK	8.69	20.04	
GW-30S	OK	OK	OK	OK	7.61	17.97	
GW-31S	OK	OK	OK	OK	3.44	9.57	
GW-32S	OK	OK	OK	OK	3.90	9.93	

Additional Comments: _____

_____

_____

WELL INSPECTION SUMMARY

Project Name: *Pfohl Brothers Landfill* Project Number: *60411174*

Inspection Crew Members: *C.Horrocks, D. VanMarter* Supervisor: *R. Murphy*

Date(s) of Inspection: *May 21, 2025*

Well I.D. Number	*Lock*	*Surface Seal*	*Protective Casing*	*Riser*	*Water Level (ft. BTOC)*	*Well Depth (ft. BTOC)*	*Other Comments*
GW-33S	OK	OK	OK	OK	3.65	8.21	
GW-34S	OK	OK	OK	OK	3.46	10.01	
GW-35S	OK	OK	OK	OK	5.26	7.46	

Additional Comments: _____

_____

_____

ATTACHMENT B May 2025 Data Applicability Report

DATA APPLICABILITY REPORT

ANNUAL GROUNDWATER MONITORING

PFOHL BROTHERS LANDFILL SITE

Analyses Performed by:

EUROFINS, BUFFALO
10 HAZELWOOD DRIVE
AMHERST, NY 14228

Prepared for:

TOWN OF CHEEKTOWAGA
CHEEKTOWAGA, NY 14225

Prepared by:

AECOM
50 LAKEFRONT BOULEVARD
SUITE 111
BUFFALO, NEW YORK 14202

JULY 2025

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TABLES
(Following Text)

Table 1 Validated Groundwater Sample Results

Table 2 Validated Field QC Sample Results

APPENDICES

Appendix A – Validated Sample Reporting Forms

Appendix B – Support Documentation

I. INTRODUCTION

This Data Applicability Report (DAR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B-Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. This DAR discusses the usability of the analytical data for groundwater samples collected during the Spring 2025 annual monitoring program at the Pfohl Brothers Landfill Site, located in Cheektowaga, NY.

II. ANALYTICAL METHODOLOGIES and DATA APPLICABILITY PROCEDURES

The data being evaluated are from the May 21-23, 2025 sampling of nineteen (19) groundwater samples, one (1) field duplicate, one (1) matrix spike (MS)/matrix spike duplicate (MSD) pair, and two (2) trip blanks. The analytical laboratory that performed the analyses was Eurofins, Buffalo located in Amherst, NY. The samples were analyzed for the following project specific parameters: Volatile Organic Compounds (VOCs) following United States Environmental Protection Agency (USEPA) Method 8260C, Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270D, and total and dissolved metals by USEPA Methods 6010D/6020B/7470A. Not all samples were analyzed for all parameters.

A limited data review was performed in accordance with the following USEPA guidelines:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B & 8260C,* SOP HW-24, Rev. 4, October 2014;
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D,* SOP HW-22, Rev. 5, December 2010;
- ICP-AES Data Validation, SOP HW-3a, Rev. 1, September 2016;
- ICP-MS Data Validation, SOP HW-3b, Rev. 1, September 2016; and
- Mercury and Cyanide Data Validation, SOP HW-3c, Rev. 1, September 2016.

The data applicability evaluation included a review of completeness of all required deliverables; holding times; quality control (QC) results (blanks, surrogate recoveries, matrix spike recoveries, duplicate analyses, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; and a review of laboratory data qualifiers.

Definitions of USEPA data qualifiers are presented at the end of this text. The analytical results are presented on Table 1 (groundwater) and Table 2 (field QC). Copies of the laboratory results (i.e., sample reporting forms) are presented in Appendix A. Documentation supporting the qualification of data is presented in Appendix B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

In accordance with the project requirements, limited deliverable data packages (level 2) were provided by the laboratory, which only consisted of analytical summaries, QC reporting forms and case narratives.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody (COC) with the following exceptions:

- The cooler temperatures upon receipt at the laboratory were slightly above 6°C (i.e., 7.4°C and 8.8°C). Note, the coolers had insufficient time to cool down during transit to the laboratory, which were relinquished to the lab courier on the same day. No data qualification was necessary.

- For samples collected on 5/22/25, the “Relinquished By” signature/date/time on the COC (page 2 of 2) was not documented by the lab courier. No data qualification was necessary.

All samples were analyzed within the required holding times (HT).

Due to the low recharge rates of monitoring wells GW-07D and GW-07S, the VOC aliquots were collected on 05/21/25, while the SVOC/metals aliquots were collected on 05/22/25. For the same reason, sample GW-04S had the VOC aliquots collected at 12:50 and the SVOC/metals aliquots collected at 14:30 on 05/21/25.

V. NON-CONFORMANCES

Continuing Calibrations

For VOCs, the continuing calibration for vinyl chloride was outside QC limits and biased low, as noted in the case narrative for sample delivery group 480-229678-1. Calibration exceedances are outside the scope of this DAR. Therefore, no data qualification was necessary.

For metals, the linear range check standard recoveries were outside QC limits, as noted in the case narratives. Since the associated sample concentrations were within the linear range of calibration, no data qualification was necessary. Linear range check standard exceedances are outside the scope of this DAR.

VI. SAMPLE RESULTS AND REPORTING

All RLs were reported in accordance with method requirements and were adjusted for sample size and dilution factors. Results for compounds/analytes detected below the RL are qualified 'J' by the laboratory.

A field duplicate was collected at groundwater location GW-03D. The field duplicate results exhibited good field and analytical precision.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria and are considered usable as reported. AECOM does not recommend the recollection of any samples.

Prepared By: Peter R. Fairbanks, Senior Chemist **Date: 06/12/25**

Reviewed by: Linda Waters, Chemist **Date: 07/15/25**

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-01D	GW-01S	GW-03D	GW-03D	GW-03S
Sample ID		GW-01D-250521	GW-01S-250521	FD-250522	GW-03D-250522	GW-03S-250522
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/21/25	05/21/25	05/22/25	05/22/25	05/22/25
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds						
1,3-Dichlorobenzene	ug/L	10 U	10 U	3.2 J	3.1 J	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	4.7 J	4.5 J	10 U
bis(2-Ethylhexyl)phthalate	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenol	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Metals						
Antimony	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	mg/L	0.0010 U	0.0035	0.0018	0.0018	0.00074 J
Barium	mg/L	0.091	0.21	0.11	0.12	0.059
Cadmium	mg/L	0.0010 U	0.00055 J	0.0010 U	0.0010 U	0.0078
Chromium	mg/L	0.066	0.0031 J	0.0040 U	0.0040 U	0.048
Copper	mg/L	0.0027 J	0.010 U	0.010 U	0.010 U	0.0048 J
Iron	mg/L	0.53	15.9	1.1	1.1	1.3
Lead	mg/L	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Magnesium	mg/L	38.5	25.8	17.5	17.7	84.6
Manganese	mg/L	0.056	0.98	0.18	0.18	0.15
Mercury	mg/L	0.00067	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Nickel	mg/L	0.12	0.010 U	0.0039 J	0.0042 J	0.042

Flags assigned during chemistry validation are shown.

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CHECKED BY:_____

Detection Limits shown are PQL

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Printed: 7/22/2025 5:22:14 PM
[LOGDATE] >= #5/21/2025# AND [LOCID] <> 'FIELDQC' AND [PRCCODE] <> 'DMET'

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-01D	GW-01S	GW-03D	GW-03D	GW-03S
Sample ID		GW-01D-250521	GW-01S-250521	FD-250522	GW-03D-250522	GW-03S-250522
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/21/25	05/21/25	05/22/25	05/22/25	05/22/25
Parameter	Units			Field Duplicate (1-1)		
Metals						
Silver	mg/L	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Sodium	mg/L	129	164	302	307	83.8
Zinc	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.016

Flags assigned during chemistry validation are shown.

MADE BY: ML 07/22/25
CHECKED BY:_____

Detection Limits shown are PQL

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Printed: 7/22/2025 5:22:15 PM
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TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-04D	GW-04S	GW-04S	GW-07D	GW-07D
Sample ID		GW-04D-250521	GW-04S-250521	GW-04S-250521	GW-07D-250521	GW-07D-250522
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/21/25	05/21/25	05/21/25	05/21/25	05/22/25
Parameter	Units					
Volatile Organic Compounds						
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	NA	1.0 U	NA
1,2-Dichloroethene (total)	ug/L	2.0 U	2.0 U	NA	2.0 U	NA
Acetone	ug/L	10 U	10 U	NA	10 U	NA
Benzene	ug/L	1.0 U	1.0 U	NA	1.0 U	NA
Vinyl chloride	ug/L	1.0 U	1.0 U	NA	1.0 U	NA
Semivolatile Organic Compounds						
1,3-Dichlorobenzene	ug/L	10 U	NA	10 U	NA	100 U
1,4-Dichlorobenzene	ug/L	10 U	NA	10 U	NA	100 U
bis(2-Ethylhexyl)phthalate	ug/L	5.0 U	NA	5.2 U	NA	480
Phenol	ug/L	5.0 U	NA	5.2 U	NA	50 U
Metals						
Antimony	mg/L	0.020 U	NA	0.020 U	NA	0.0069 J
Arsenic	mg/L	0.0010 U	NA	0.0048	NA	0.0031
Barium	mg/L	0.10	NA	0.10	NA	0.16
Cadmium	mg/L	0.0010 U	NA	0.00071 J	NA	0.0017
Chromium	mg/L	0.0076	NA	0.0051	NA	0.35
Copper	mg/L	0.010 U	NA	0.0025 J	NA	0.037
Iron	mg/L	0.15	NA	1.2	NA	16.7
Lead	mg/L	0.0050 U	NA	0.0050 U	NA	0.19
Magnesium	mg/L	85.2	NA	29.7	NA	40.6
Manganese	mg/L	0.026	NA	0.055	NA	0.17
Mercury	mg/L	0.00020 U	NA	0.00020 U	NA	0.00020 U
Nickel	mg/L	0.0054 J	NA	0.0051 J	NA	0.17

Flags assigned during chemistry validation are shown.

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CHECKED BY:_____

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-04D	GW-04S	GW-04S	GW-07D	GW-07D
Sample ID		GW-04D-250521	GW-04S-250521	GW-04S-250521	GW-07D-250521	GW-07D-250522
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/21/25	05/21/25	05/21/25	05/21/25	05/22/25
Parameter	Units					
Metals						
Silver	mg/L	0.0030 U	NA	0.0030 U	NA	0.0030 U
Sodium	mg/L	113	NA	33.7	NA	83.6
Zinc	mg/L	0.010 U	NA	0.0064 J	NA	0.12

Flags assigned during chemistry validation are shown.

MADE BY: ML 07/22/25
CHECKED BY:_____

Detection Limits shown are PQL

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[LOGDATE] >= #5/21/2025# AND [LOCID] <> 'FIELDQC' AND [PRCCODE] <> 'DMET'

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-07S	GW-07S	GW-08D	GW-08SR	GW-26D
Sample ID		GW-07S-250521	GW-07S-250522	GW-08D-250522	GW-08SR-250522	GW-26D-250523
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/21/25	05/22/25	05/22/25	05/22/25	05/23/25
Parameter	**Units**					
Volatile Organic Compounds						
1,1,2-Trichloroethane	ug/L	1.0 U	NA	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	ug/L	2.0 U	NA	2.0 U	2.0 U	2.0 U
Acetone	ug/L	10 U	NA	10 U	10 U	10 U
Benzene	ug/L	1.0 U	NA	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	NA	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds						
1,3-Dichlorobenzene	ug/L	NA	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	NA	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	NA	2.3 J	5.2 U	5.2 U	5.2 U
Phenol	ug/L	NA	5.0 U	5.2 U	5.2 U	5.2 U
Metals						
Antimony	mg/L	NA	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	mg/L	NA	0.00065 J	0.00047 J	0.0048	0.010 U
Barium	mg/L	NA	0.48	0.077	0.12	0.12
Cadmium	mg/L	NA	0.0010 U	0.0010 U	0.0010	0.0010 U
Chromium	mg/L	NA	0.011	0.079	0.0092	0.0057
Copper	mg/L	NA	0.010 U	0.0021 J	0.010 U	0.010 U
Iron	mg/L	NA	0.14	0.68	13.2	2.8
Lead	mg/L	NA	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Magnesium	mg/L	NA	52.9	15.1	48.9	19.1
Manganese	mg/L	NA	0.25	0.021	0.57	0.30
Mercury	mg/L	NA	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Nickel	mg/L	NA	0.31	0.018	0.012	0.010 U

Flags assigned during chemistry validation are shown.

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CHECKED BY:_____

Detection Limits shown are PQL

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Printed: 7/22/2025 5:22:17 PM
[LOGDATE] >= #5/21/2025# AND [LOCID] <> 'FIELDQC' AND [PRCCODE] <> 'DMET'

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-07S	GW-07S	GW-08D	GW-08SR	GW-26D
Sample ID		GW-07S-250521	GW-07S-250522	GW-08D-250522	GW-08SR-250522	GW-26D-250523
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/21/25	05/22/25	05/22/25	05/22/25	05/23/25
Parameter	Units					
Metals						
Silver	mg/L	NA	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Sodium	mg/L	NA	62.6	261	132	264
Zinc	mg/L	NA	0.010 U	0.010 U	0.010 U	0.010 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

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[LOGDATE] >= #5/21/2025# AND [LOCID] <> 'FIELDQC' AND [PRCCODE] <> 'DMET'

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-28S	GW-29S	GW-30S	GW-31S	GW-32S
Sample ID		GW-28S-250522	GW-29S-250522	GW-30S-250523	GW-31S-250523	GW-32S-250523
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/22/25	05/22/25	05/23/25	05/23/25	05/23/25
Parameter	Units					
Volatile Organic Compounds						
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds						
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	5.2 U	5.0 U	5.2 U	5.4 U	5.2 U
Phenol	ug/L	5.2 U	5.0 U	5.2 U	5.4 U	5.2 U
Metals						
Antimony	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	mg/L	0.0020	0.091	0.010 U	0.010 U	0.010 U
Barium	mg/L	0.084	0.30	0.10	0.11	0.046
Cadmium	mg/L	0.0010 U	0.00057 J	0.0010 U	0.0010 U	0.0010 U
Chromium	mg/L	0.027	0.012	0.0040 U	0.0040 U	0.0040 U
Copper	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	mg/L	1.8	48.6	8.4	8.2	0.075
Lead	mg/L	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Magnesium	mg/L	25.7	49.3	28.5	23.4	25.0
Manganese	mg/L	1.1	0.77	0.99	0.42	0.22
Mercury	mg/L	0.00020 U	0.0027	0.00020 U	0.00020 U	0.00020 U
Nickel	mg/L	0.0056 J	0.010 U	0.010 U	0.0016 J	0.0048 J

Flags assigned during chemistry validation are shown.

MADE BY: ML 07/22/25
CHECKED BY:_____

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-28S	GW-29S	GW-30S	GW-31S	GW-32S
Sample ID		GW-28S-250522	GW-29S-250522	GW-30S-250523	GW-31S-250523	GW-32S-250523
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/22/25	05/22/25	05/23/25	05/23/25	05/23/25
Parameter	Units					
Metals						
Silver	mg/L	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Sodium	mg/L	7.0	10.3	44.9	2.3	3.3
Zinc	mg/L	0.0030 J	0.013	0.010 U	0.010 U	0.0019 J

Flags assigned during chemistry validation are shown.

MADE BY: ML 07/22/25
CHECKED BY:_____

Detection Limits shown are PQL

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Printed: 7/22/2025 5:22:20 PM
[LOGDATE] >= #5/21/2025# AND [LOCID] <> 'FIELDQC' AND [PRCCODE] <> 'DMET'

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-33S	GW-34S	GW-35S
Sample ID		GW-33S-250523	GW-34S-250522	GW-35S-250523
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		05/23/25	05/22/25	05/23/25
Parameter	**Units**			
Volatile Organic Compounds				
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	ug/L	2.0 U	2.0 U	2.0 U
Acetone	ug/L	10 U	10 U	10 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds				
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	5.2 U	5.0 U	5.7 U
Phenol	ug/L	5.2 U	5.0 U	5.7 U
Metals				
Antimony	mg/L	0.020 U	0.020 U	0.020 U
Arsenic	mg/L	0.010 U	0.0010 U	0.010 U
Barium	mg/L	0.071	0.10	0.070
Cadmium	mg/L	0.0010 U	0.0010 U	0.0010 U
Chromium	mg/L	0.0040 U	0.0040 U	0.0018 J
Copper	mg/L	0.010 U	0.010 U	0.010 U
Iron	mg/L	0.050 U	0.23	0.055
Lead	mg/L	0.0050 U	0.0050 U	0.0050 U
Magnesium	mg/L	28.8	36.0	21.6
Manganese	mg/L	0.018	0.33	0.42
Mercury	mg/L	0.00020 U	0.00020 U	0.00020 U
Nickel	mg/L	0.010 U	0.0032 J	0.0027 J

Flags assigned during chemistry validation are shown.

MADE BY: ML 07/22/25
CHECKED BY:_____

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-33S	GW-34S	GW-35S
Sample ID		GW-33S-250523	GW-34S-250522	GW-35S-250523
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		05/23/25	05/22/25	05/23/25
Parameter	Units			
Metals				
Silver	mg/L	0.0030 U	0.0030 U	0.0030 U
Sodium	mg/L	2.5	18.7	2.4
Zinc	mg/L	0.0023 J	0.010 U	0.0015 J

Flags assigned during chemistry validation are shown.

MADE BY: ML 07/22/25
CHECKED BY:_____

Detection Limits shown are PQL

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Printed: 7/22/2025 5:22:25 PM
[LOGDATE] >= #5/21/2025# AND [LOCID] <> 'FIELDQC' AND [PRCCODE] <> 'DMET'

TABLE 1
VALIDATED GROUNDWATER SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		GW-07D
Sample ID		GW-07D-250522
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/22/25
Parameter	**Units**	
Filtered Metals		
Antimony	mg/L	0.020 U
Arsenic	mg/L	0.00058 J
Barium	mg/L	0.091
Cadmium	mg/L	0.0010 U
Chromium	mg/L	0.039
Copper	mg/L	0.0021 J
Iron	mg/L	0.86
Lead	mg/L	0.0083
Magnesium	mg/L	37.8
Manganese	mg/L	0.040
Mercury	mg/L	0.00020 U
Nickel	mg/L	0.016
Silver	mg/L	0.0030 U
Sodium	mg/L	88.6
Zinc	mg/L	0.0024 J

Flags assigned during chemistry validation are shown.

MADE BY: ML 06/20/25
CHECKED BY:_____

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC SAMPLE RESULTS
PFOHL BROTHERS LANDFILL SITE

Location ID		FIELDQC	FIELDQC
Sample ID		Trip Blank	Trip Blank
Matrix		Quality Control	Quality Control
Depth Interval (ft)		-	-
Date Sampled		05/22/25	05/23/25
Parameter	**Units**	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds			
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U
1,2-Dichloroethene (total)	ug/L	2.0 U	2.0 U
Acetone	ug/L	10 U	10 U
Benzene	ug/L	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

MADE BY: ML 06/20/25
CHECKED BY:_____

Detection Limits shown are PQL

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Printed: 6/20/2025 9:36:41 AM
[LOGDATE] >= #5/21/2025# AND [LOCID] = 'FIELDQC'

DEFINITIONS OF USEPA DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the level of the sample reporting limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ – The metal result is an estimated quantity, but the result may be biased high.

J- – The metal result is an estimated quantity, but the result may be biased low.

UJ – The analyte was analyzed for, but not detected. The reporting limit is approximate and may be inaccurate or imprecise.

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

APPENDIX A

VALIDATED SAMPLE REPORTING FORMS

Client: AECOM
Job ID: 480-229635-1
Project/Site: Pfohl Brothers Landfill

Client Sample ID: GW-07D-250521
Lab Sample ID: 480-229635-1
Date Collected: 05/21/25 10:06
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 15:28	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 15:28	1
Acetone	ND		10	3.0	ug/L			05/24/25 15:28	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 15:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/25 15:28*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/24/25 15:28*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/24/25 15:28*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/24/25 15:28*	*1*

Client: AECOM
Job ID: 480-229635-1
Project/Site: Pfohl Brothers Landfill

Client Sample ID: GW-07S-250521
Lab Sample ID: 480-229635-2
Date Collected: 05/21/25 11:50
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 15:50	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 15:50	1
Acetone	ND		10	3.0	ug/L			05/24/25 15:50	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 15:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/24/25 15:50*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/25 15:50*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/25 15:50*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/24/25 15:50*	*1*

Client: AECOM
Job ID: 480-229635-1
Project/Site: Pfohl Brothers Landfill

Client Sample ID: GW-04S-250521
Lab Sample ID: 480-229635-3
Date Collected: 05/21/25 12:50
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 16:13	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 16:13	1
Acetone	ND		10	3.0	ug/L			05/24/25 16:13	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 16:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/25 16:13*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/25 16:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*05/24/25 16:13*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/24/25 16:13*	*1*

Client Sample ID: GW-04D-250521
Date Collected: 05/21/25 14:20
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 16:35	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 16:35	1
Acetone	ND		10	3.0	ug/L			05/24/25 16:35	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 16:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/25 16:35*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/25 16:35*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/25 16:35*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/24/25 16:35*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 13:55	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/27/25 13:37	05/28/25 13:55	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 13:55	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*25 - 144*	*05/27/25 13:37*	*05/28/25 13:55*	*1*
2-Fluorobiphenyl	*86*		*53 - 126*	*05/27/25 13:37*	*05/28/25 13:55*	*1*
2-Fluorophenol	*51*		*24 - 120*	*05/27/25 13:37*	*05/28/25 13:55*	*1*
Nitrobenzene-d5	*75*		*29 - 129*	*05/27/25 13:37*	*05/28/25 13:55*	*1*
Phenol-d5	*34*		*10 - 120*	*05/27/25 13:37*	*05/28/25 13:55*	*1*
p-Terphenyl-d14	*72*		*33 - 132*	*05/27/25 13:37*	*05/28/25 13:55*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:41	1
Barium	**0.10**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:41	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:41	1
Chromium	**0.0076**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:41	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:41	1
Iron	**0.15**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:41	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:41	1
Magnesium	**85.2**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:41	1
Manganese	**0.026**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:41	1
Nickel	**0.0054**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:41	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:41	1
Sodium	**113**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:41	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:41	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 16:52	1

Client Sample ID: GW-04S-250521
Lab Sample ID: 480-229635-5
Date Collected: 05/21/25 14:30
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/28/25 14:22	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 14:22	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/28/25 14:22	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/28/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*25 - 144*	*05/27/25 13:37*	*05/28/25 14:22*	*1*
2-Fluorobiphenyl	*101*		*53 - 126*	*05/27/25 13:37*	*05/28/25 14:22*	*1*
2-Fluorophenol	*65*		*24 - 120*	*05/27/25 13:37*	*05/28/25 14:22*	*1*
Nitrobenzene-d5	*87*		*29 - 129*	*05/27/25 13:37*	*05/28/25 14:22*	*1*
Phenol-d5	*45*		*10 - 120*	*05/27/25 13:37*	*05/28/25 14:22*	*1*
p-Terphenyl-d14	*98*		*33 - 132*	*05/27/25 13:37*	*05/28/25 14:22*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:51	1
Barium	**0.10**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:51	1
Cadmium	**0.00071**	**J**	0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:51	1
Chromium	**0.0051**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:51	1
Copper	**0.0025**	**J**	0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:51	1
Iron	**1.2**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:51	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:51	1
Magnesium	**29.7**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:51	1
Manganese	**0.055**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:51	1
Nickel	**0.0051**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:51	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:51	1
Sodium	**33.7**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:51	1
Zinc	**0.0064**	**J**	0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0048**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 16:54	1

Client Sample ID: GW-01S-250521
Date Collected: 05/21/25 15:40
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-6
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 16:57	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 16:57	1
Acetone	ND		10	3.0	ug/L			05/24/25 16:57	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 16:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/25 16:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/25 16:57*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/24/25 16:57*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/24/25 16:57*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 14:49	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/27/25 13:37	05/28/25 14:49	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 14:49	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*25 - 144*	*05/27/25 13:37*	*05/28/25 14:49*	*1*
2-Fluorobiphenyl	*90*		*53 - 126*	*05/27/25 13:37*	*05/28/25 14:49*	*1*
2-Fluorophenol	*62*		*24 - 120*	*05/27/25 13:37*	*05/28/25 14:49*	*1*
Nitrobenzene-d5	*86*		*29 - 129*	*05/27/25 13:37*	*05/28/25 14:49*	*1*
Phenol-d5	*43*		*10 - 120*	*05/27/25 13:37*	*05/28/25 14:49*	*1*
p-Terphenyl-d14	*99*		*33 - 132*	*05/27/25 13:37*	*05/28/25 14:49*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:53	1
Barium	**0.21**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:53	1
Cadmium	**0.00055**	**J**	0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:53	1
Chromium	**0.0031**	**J**	0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:53	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:53	1
Iron	**15.9**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:53	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:53	1
Magnesium	**25.8**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:53	1
Manganese	**0.98**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:53	1
Nickel	ND		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:53	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:53	1
Sodium	**164**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:53	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0035**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 16:55	1

Client Sample ID: GW-01D-250521
Date Collected: 05/21/25 16:50
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-7
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 17:20	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 17:20	1
Acetone	ND		10	3.0	ug/L			05/24/25 17:20	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 17:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/25 17:20*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/24/25 17:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/24/25 17:20*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/24/25 17:20*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 15:16	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/27/25 13:37	05/28/25 15:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 15:16	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*25 - 144*	*05/27/25 13:37*	*05/28/25 15:16*	*1*
2-Fluorobiphenyl	*90*		*53 - 126*	*05/27/25 13:37*	*05/28/25 15:16*	*1*
2-Fluorophenol	*55*		*24 - 120*	*05/27/25 13:37*	*05/28/25 15:16*	*1*
Nitrobenzene-d5	*77*		*29 - 129*	*05/27/25 13:37*	*05/28/25 15:16*	*1*
Phenol-d5	*37*		*10 - 120*	*05/27/25 13:37*	*05/28/25 15:16*	*1*
p-Terphenyl-d14	*77*		*33 - 132*	*05/27/25 13:37*	*05/28/25 15:16*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:55	1
Barium	**0.091**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:55	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:55	1
Chromium	**0.066**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:55	1
Copper	**0.0027**	**J**	0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:55	1
Iron	**0.53**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:55	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:55	1
Magnesium	**38.5**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:55	1
Manganese	**0.056**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:55	1
Nickel	**0.12**		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:55	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:55	1
Sodium	**129**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:55	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00067**		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 16:56	1

Client Sample ID: GW-07D-250522
Date Collected: 05/22/25 08:45
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-8
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		100	4.8	ug/L		05/27/25 13:37	05/28/25 15:43	10
1,4-Dichlorobenzene	ND		100	4.6	ug/L		05/27/25 13:37	05/28/25 15:43	10
Bis(2-ethylhexyl) phthalate	**480**		50	22	ug/L		05/27/25 13:37	05/28/25 15:43	10
Phenol	ND		50	3.9	ug/L		05/27/25 13:37	05/28/25 15:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*25 - 144*	*05/27/25 13:37*	*05/28/25 15:43*	*10*
2-Fluorobiphenyl	*98*		*53 - 126*	*05/27/25 13:37*	*05/28/25 15:43*	*10*
2-Fluorophenol	*68*		*24 - 120*	*05/27/25 13:37*	*05/28/25 15:43*	*10*
Nitrobenzene-d5	*88*		*29 - 129*	*05/27/25 13:37*	*05/28/25 15:43*	*10*
Phenol-d5	*43*		*10 - 120*	*05/27/25 13:37*	*05/28/25 15:43*	*10*
p-Terphenyl-d14	*74*		*33 - 132*	*05/27/25 13:37*	*05/28/25 15:43*	*10*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.0069**	**J**	0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:56	1
Barium	**0.16**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:56	1
Cadmium	**0.0017**		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:56	1
Chromium	**0.35**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:56	1
Copper	**0.037**		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:56	1
Iron	**16.7**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:56	1
Lead	**0.19**		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:56	1
Magnesium	**40.6**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:56	1
Manganese	**0.17**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:56	1
Nickel	**0.17**		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:56	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:56	1
Sodium	**83.6**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:56	1
Zinc	**0.12**		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:56	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	ND		0.020	0.0068	mg/L		05/28/25 09:23	05/28/25 19:28	1
Barium, Dissolved	**0.091**		0.0020	0.00070	mg/L		05/28/25 09:23	05/30/25 16:52	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		05/28/25 09:23	05/30/25 16:52	1
Chromium, Dissolved	**0.039**		0.0040	0.0010	mg/L		05/28/25 09:23	05/28/25 19:28	1
Copper, Dissolved	**0.0021**	**J**	0.010	0.0016	mg/L		05/28/25 09:23	05/30/25 16:52	1
Iron, Dissolved	**0.86**		0.050	0.019	mg/L		05/28/25 09:23	05/30/25 16:52	1
Lead, Dissolved	**0.0083**		0.0050	0.0030	mg/L		05/28/25 09:23	05/28/25 19:28	1
Magnesium, Dissolved	**37.8**		0.20	0.043	mg/L		05/28/25 09:23	05/28/25 19:28	1
Manganese, Dissolved	**0.040**		0.0030	0.00040	mg/L		05/28/25 09:23	05/28/25 19:28	1
Nickel, Dissolved	**0.016**		0.010	0.0013	mg/L		05/28/25 09:23	05/28/25 19:28	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		05/28/25 09:23	05/28/25 19:28	1
Sodium, Dissolved	**88.6**		1.0	0.32	mg/L		05/28/25 09:23	05/28/25 19:28	1
Zinc, Dissolved	**0.0024**	**J**	0.010	0.0015	mg/L		05/28/25 09:23	05/30/25 16:52	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0031**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:31	1

Client: AECOM
Job ID: 480-229635-1
Project/Site: Pfohl Brothers Landfill

Client Sample ID: GW-07D-250522
Lab Sample ID: 480-229635-8
Date Collected: 05/22/25 08:45
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.00058	J	0.0010	0.00039	mg/L		06/02/25 09:25	06/03/25 13:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 16:57	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000042	mg/L		05/27/25 08:08	05/27/25 15:11	1

Client Sample ID: GW-07S-250522
Lab Sample ID: 480-229635-9
Date Collected: 05/22/25 08:50
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 16:10	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/27/25 13:37	05/28/25 16:10	1
Bis(2-ethylhexyl) phthalate	**2.3**	**J**	5.0	2.2	ug/L		05/27/25 13:37	05/28/25 16:10	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*25 - 144*	*05/27/25 13:37*	*05/28/25 16:10*	*1*
2-Fluorobiphenyl	*103*		*53 - 126*	*05/27/25 13:37*	*05/28/25 16:10*	*1*
2-Fluorophenol	*57*		*24 - 120*	*05/27/25 13:37*	*05/28/25 16:10*	*1*
Nitrobenzene-d5	*88*		*29 - 129*	*05/27/25 13:37*	*05/28/25 16:10*	*1*
Phenol-d5	*45*		*10 - 120*	*05/27/25 13:37*	*05/28/25 16:10*	*1*
p-Terphenyl-d14	*83*		*33 - 132*	*05/27/25 13:37*	*05/28/25 16:10*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:58	1
Barium	**0.48**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:58	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:58	1
Chromium	**0.011**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:58	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:58	1
Iron	**0.14**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:58	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:58	1
Magnesium	**52.9**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:58	1
Manganese	**0.25**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:58	1
Nickel	**0.31**		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:58	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:58	1
Sodium	**62.6**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:58	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00065**	**J**	0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 16:59	1

Client Sample ID: GW-34S-250522
Date Collected: 05/22/25 10:10
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-10
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 17:42	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 17:42	1
Acetone	ND		10	3.0	ug/L			05/24/25 17:42	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 17:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/25 17:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/25 17:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/24/25 17:42*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/24/25 17:42*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 16:37	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/27/25 13:37	05/28/25 16:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 16:37	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*25 - 144*	*05/27/25 13:37*	*05/28/25 16:37*	*1*
2-Fluorobiphenyl	*91*		*53 - 126*	*05/27/25 13:37*	*05/28/25 16:37*	*1*
2-Fluorophenol	*48*		*24 - 120*	*05/27/25 13:37*	*05/28/25 16:37*	*1*
Nitrobenzene-d5	*78*		*29 - 129*	*05/27/25 13:37*	*05/28/25 16:37*	*1*
Phenol-d5	*39*		*10 - 120*	*05/27/25 13:37*	*05/28/25 16:37*	*1*
p-Terphenyl-d14	*86*		*33 - 132*	*05/27/25 13:37*	*05/28/25 16:37*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:00	1
Barium	**0.10**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:00	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:00	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:00	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:00	1
Iron	**0.23**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:00	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:00	1
Magnesium	**36.0**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:00	1
Manganese	**0.33**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:00	1
Nickel	**0.0032**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:00	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:00	1
Sodium	**18.7**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:00	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 17:00	1

Client: AECOM
Job ID: 480-229635-1
Project/Site: Pfohl Brothers Landfill

Client Sample ID: GW-03S-250522
Lab Sample ID: 480-229635-11
Date Collected: 05/22/25 11:15
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 18:04	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 18:04	1
Acetone	ND		10	3.0	ug/L			05/24/25 18:04	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 18:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/24/25 18:04*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/25 18:04*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/25 18:04*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/24/25 18:04*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 17:04	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/27/25 13:37	05/28/25 17:04	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 17:04	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*110*		*25 - 144*	*05/27/25 13:37*	*05/28/25 17:04*	*1*
2-Fluorobiphenyl	*87*		*53 - 126*	*05/27/25 13:37*	*05/28/25 17:04*	*1*
2-Fluorophenol	*61*		*24 - 120*	*05/27/25 13:37*	*05/28/25 17:04*	*1*
Nitrobenzene-d5	*78*		*29 - 129*	*05/27/25 13:37*	*05/28/25 17:04*	*1*
Phenol-d5	*40*		*10 - 120*	*05/27/25 13:37*	*05/28/25 17:04*	*1*
p-Terphenyl-d14	*83*		*33 - 132*	*05/27/25 13:37*	*05/28/25 17:04*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:02	1
Barium	**0.059**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:02	1
Cadmium	**0.0078**		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:02	1
Chromium	**0.048**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:02	1
Copper	**0.0048**	**J**	0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:02	1
Iron	**1.3**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:02	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:02	1
Magnesium	**84.6**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:02	1
Manganese	**0.15**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:02	1
Nickel	**0.042**		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:02	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:02	1
Sodium	**83.8**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:02	1
Zinc	**0.016**		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00074**	**J**	0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 17:01	1

Client Sample ID: FD-250522
Date Collected: 05/22/25 00:00
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-12
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 18:26	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 18:26	1
Acetone	ND		10	3.0	ug/L			05/24/25 18:26	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 18:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/25 18:26*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/25 18:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/25 18:26*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/24/25 18:26*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	**3.2**	**J**	10	0.48	ug/L		05/27/25 13:37	05/28/25 17:32	1
1,4-Dichlorobenzene	**4.7**	**J**	10	0.46	ug/L		05/27/25 13:37	05/28/25 17:32	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 17:32	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*113*		*25 - 144*	*05/27/25 13:37*	*05/28/25 17:32*	*1*
2-Fluorobiphenyl	*104*		*53 - 126*	*05/27/25 13:37*	*05/28/25 17:32*	*1*
2-Fluorophenol	*86*		*24 - 120*	*05/27/25 13:37*	*05/28/25 17:32*	*1*
Nitrobenzene-d5	*84*		*29 - 129*	*05/27/25 13:37*	*05/28/25 17:32*	*1*
Phenol-d5	*44*		*10 - 120*	*05/27/25 13:37*	*05/28/25 17:32*	*1*
p-Terphenyl-d14	*76*		*33 - 132*	*05/27/25 13:37*	*05/28/25 17:32*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:04	1
Barium	**0.11**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:04	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:04	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:04	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:04	1
Iron	**1.1**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:04	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:04	1
Magnesium	**17.5**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:04	1
Manganese	**0.18**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:04	1
Nickel	**0.0039**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:04	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:04	1
Sodium	**302**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:04	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0018**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 13:43	1

Client Sample ID: GW-03D-250522
Lab Sample ID: 480-229635-13

Date Collected: 05/22/25 12:35
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/25 19:44	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/27/25 19:44	1
Acetone	ND		10	3.0	ug/L			05/27/25 19:44	1
Benzene	ND		1.0	0.41	ug/L			05/27/25 19:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/27/25 19:44*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/25 19:44*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/27/25 19:44*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/27/25 19:44*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	**3.1**	**J**	10	0.48	ug/L		05/27/25 13:37	05/28/25 17:59	1
1,4-Dichlorobenzene	**4.5**	**J**	10	0.46	ug/L		05/27/25 13:37	05/28/25 17:59	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 17:59	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*25 - 144*	*05/27/25 13:37*	*05/28/25 17:59*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*05/27/25 13:37*	*05/28/25 17:59*	*1*
2-Fluorophenol	*61*		*24 - 120*	*05/27/25 13:37*	*05/28/25 17:59*	*1*
Nitrobenzene-d5	*80*		*29 - 129*	*05/27/25 13:37*	*05/28/25 17:59*	*1*
Phenol-d5	*41*		*10 - 120*	*05/27/25 13:37*	*05/28/25 17:59*	*1*
p-Terphenyl-d14	*89*		*33 - 132*	*05/27/25 13:37*	*05/28/25 17:59*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:06	1
Barium	**0.12**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:06	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:06	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:06	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:06	1
Iron	**1.1**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:06	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:06	1
Magnesium	**17.7**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:06	1
Manganese	**0.18**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:06	1
Nickel	**0.0042**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:06	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:06	1
Sodium	**307**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:06	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0018**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 13:44	1

Client Sample ID: GW-08D-250522
Date Collected: 05/22/25 14:15
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-14
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 19:11	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 19:11	1
Acetone	ND		10	3.0	ug/L			05/24/25 19:11	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 19:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/24/25 19:11*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/25 19:11*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/24/25 19:11*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/25 19:11*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/28/25 13:01	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 13:01	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/28/25 13:01	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/28/25 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*25 - 144*	*05/27/25 13:37*	*05/28/25 13:01*	*1*
2-Fluorobiphenyl	*93*		*53 - 126*	*05/27/25 13:37*	*05/28/25 13:01*	*1*
2-Fluorophenol	*58*		*24 - 120*	*05/27/25 13:37*	*05/28/25 13:01*	*1*
Nitrobenzene-d5	*80*		*29 - 129*	*05/27/25 13:37*	*05/28/25 13:01*	*1*
Phenol-d5	*40*		*10 - 120*	*05/27/25 13:37*	*05/28/25 13:01*	*1*
p-Terphenyl-d14	*98*		*33 - 132*	*05/27/25 13:37*	*05/28/25 13:01*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:19	1
Barium	**0.077**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:19	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:19	1
Chromium	**0.079**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:19	1
Copper	**0.0021**	**J**	0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:19	1
Iron	**0.68**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:19	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:19	1
Magnesium	**15.1**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:19	1
Manganese	**0.021**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:19	1
Nickel	**0.018**		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:19	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:19	1
Sodium	**261**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:19	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:19	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00047**	**J**	0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 12:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 13:46	1

Client Sample ID: GW-08SR-250522
Date Collected: 05/22/25 15:05
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-15
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 19:33	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 19:33	1
Acetone	ND		10	3.0	ug/L			05/24/25 19:33	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 19:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/25 19:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/25 19:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/25 19:33*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/24/25 19:33*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/28/25 18:26	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 18:26	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/28/25 18:26	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/28/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*25 - 144*	*05/27/25 13:37*	*05/28/25 18:26*	*1*
2-Fluorobiphenyl	*99*		*53 - 126*	*05/27/25 13:37*	*05/28/25 18:26*	*1*
2-Fluorophenol	*90*		*24 - 120*	*05/27/25 13:37*	*05/28/25 18:26*	*1*
Nitrobenzene-d5	*83*		*29 - 129*	*05/27/25 13:37*	*05/28/25 18:26*	*1*
Phenol-d5	*47*		*10 - 120*	*05/27/25 13:37*	*05/28/25 18:26*	*1*
p-Terphenyl-d14	*88*		*33 - 132*	*05/27/25 13:37*	*05/28/25 18:26*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:29	1
Barium	**0.12**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:29	1
Cadmium	**0.0010**		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:29	1
Chromium	**0.0092**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:29	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:29	1
Iron	**13.2**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:29	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:29	1
Magnesium	**48.9**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:29	1
Manganese	**0.57**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:29	1
Nickel	**0.012**		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:29	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:29	1
Sodium	**132**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:29	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0048**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 13:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 13:51	1

Client Sample ID: GW-28S-250522
Date Collected: 05/22/25 15:55
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-16
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 19:55	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 19:55	1
Acetone	ND		10	3.0	ug/L			05/24/25 19:55	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 19:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/24/25 19:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/25 19:55*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/24/25 19:55*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/24/25 19:55*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/28/25 18:53	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 18:53	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/28/25 18:53	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/28/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*25 - 144*	*05/27/25 13:37*	*05/28/25 18:53*	*1*
2-Fluorobiphenyl	*103*		*53 - 126*	*05/27/25 13:37*	*05/28/25 18:53*	*1*
2-Fluorophenol	*86*		*24 - 120*	*05/27/25 13:37*	*05/28/25 18:53*	*1*
Nitrobenzene-d5	*89*		*29 - 129*	*05/27/25 13:37*	*05/28/25 18:53*	*1*
Phenol-d5	*44*		*10 - 120*	*05/27/25 13:37*	*05/28/25 18:53*	*1*
p-Terphenyl-d14	*105*		*33 - 132*	*05/27/25 13:37*	*05/28/25 18:53*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:31	1
Barium	**0.084**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:31	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:31	1
Chromium	**0.027**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:31	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:31	1
Iron	**1.8**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:31	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:31	1
Magnesium	**25.7**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:31	1
Manganese	**1.1**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:31	1
Nickel	**0.0056**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:31	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:31	1
Sodium	**7.0**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:31	1
Zinc	**0.0030**	**J**	0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0020**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 13:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 13:52	1

Client Sample ID: GW-29S-250522
Date Collected: 05/22/25 16:50
Date Received: 05/23/25 17:40

Lab Sample ID: 480-229635-17
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 20:18	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 20:18	1
Acetone	ND		10	3.0	ug/L			05/24/25 20:18	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 20:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/25 20:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/25 20:18*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/24/25 20:18*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/25 20:18*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 19:20	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/27/25 13:37	05/28/25 19:20	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/25 13:37	05/28/25 19:20	1
Phenol	ND		5.0	0.39	ug/L		05/27/25 13:37	05/28/25 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*121*		*25 - 144*	*05/27/25 13:37*	*05/28/25 19:20*	*1*
2-Fluorobiphenyl	*109*		*53 - 126*	*05/27/25 13:37*	*05/28/25 19:20*	*1*
2-Fluorophenol	*74*		*24 - 120*	*05/27/25 13:37*	*05/28/25 19:20*	*1*
Nitrobenzene-d5	*97*		*29 - 129*	*05/27/25 13:37*	*05/28/25 19:20*	*1*
Phenol-d5	*50*		*10 - 120*	*05/27/25 13:37*	*05/28/25 19:20*	*1*
p-Terphenyl-d14	*93*		*33 - 132*	*05/27/25 13:37*	*05/28/25 19:20*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 11:33	1
Barium	**0.30**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 11:33	1
Cadmium	**0.00057**	**J**	0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 11:33	1
Chromium	**0.012**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 11:33	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 11:33	1
Iron	**48.6**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 11:33	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 11:33	1
Magnesium	**49.3**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 11:33	1
Manganese	**0.77**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 11:33	1
Nickel	ND		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 11:33	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 11:33	1
Sodium	**10.3**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 11:33	1
Zinc	**0.013**		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 11:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.091**		0.0010	0.00039	mg/L		06/04/25 07:55	06/05/25 13:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0027**		0.00020	0.000042	mg/L		05/27/25 10:42	05/27/25 13:53	1

Client: AECOM
Job ID: 480-229635-1
Project/Site: Pfohl Brothers Landfill

Client Sample ID: Trip Blank
Lab Sample ID: 480-229635-18
Date Collected: 05/22/25 00:00
Matrix: Water
Date Received: 05/23/25 17:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/25 20:40	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/24/25 20:40	1
Acetone	ND		10	3.0	ug/L			05/24/25 20:40	1
Benzene	ND		1.0	0.41	ug/L			05/24/25 20:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/25 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/24/25 20:40*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/24/25 20:40*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/24/25 20:40*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/25 20:40*	*1*

Client Sample ID: GW-30S-250523
Date Collected: 05/23/25 09:15
Date Received: 05/23/25 14:15

Lab Sample ID: 480-229678-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/29/25 03:22	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/29/25 03:22	1
Acetone	ND		10	3.0	ug/L			05/29/25 03:22	1
Benzene	ND		1.0	0.41	ug/L			05/29/25 03:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/29/25 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/29/25 03:22*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/29/25 03:22*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/29/25 03:22*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/29/25 03:22*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/28/25 19:47	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 19:47	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/28/25 19:47	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/28/25 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*25 - 144*	*05/27/25 13:37*	*05/28/25 19:47*	*1*
2-Fluorobiphenyl	*109*		*53 - 126*	*05/27/25 13:37*	*05/28/25 19:47*	*1*
2-Fluorophenol	*74*		*24 - 120*	*05/27/25 13:37*	*05/28/25 19:47*	*1*
Nitrobenzene-d5	*71*		*29 - 129*	*05/27/25 13:37*	*05/28/25 19:47*	*1*
Phenol-d5	*49*		*10 - 120*	*05/27/25 13:37*	*05/28/25 19:47*	*1*
p-Terphenyl-d14	*89*		*33 - 132*	*05/27/25 13:37*	*05/28/25 19:47*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:29	1
Arsenic	ND		0.010	0.0056	mg/L		05/28/25 09:21	05/29/25 10:29	1
Barium	**0.10**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:29	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:29	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:29	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:29	1
Iron	**8.4**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:29	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:29	1
Magnesium	**28.5**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:29	1
Manganese	**0.99**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:29	1
Nickel	ND		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:29	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:29	1
Sodium	**44.9**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:29	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/28/25 15:13	05/29/25 12:53	1

Client Sample ID: GW-31S-250523
Date Collected: 05/23/25 10:05
Date Received: 05/23/25 14:15

Lab Sample ID: 480-229678-2
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/25 17:41	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/27/25 17:41	1
Acetone	ND		10	3.0	ug/L			05/27/25 17:41	1
Benzene	ND		1.0	0.41	ug/L			05/27/25 17:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/25 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/27/25 17:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/27/25 17:41*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/27/25 17:41*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/27/25 17:41*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		11	0.52	ug/L		05/27/25 13:37	05/28/25 20:14	1
1,4-Dichlorobenzene	ND		11	0.50	ug/L		05/27/25 13:37	05/28/25 20:14	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.4	ug/L		05/27/25 13:37	05/28/25 20:14	1
Phenol	ND		5.4	0.42	ug/L		05/27/25 13:37	05/28/25 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*119*		*25 - 144*	*05/27/25 13:37*	*05/28/25 20:14*	*1*
2-Fluorobiphenyl	*110*		*53 - 126*	*05/27/25 13:37*	*05/28/25 20:14*	*1*
2-Fluorophenol	*97*		*24 - 120*	*05/27/25 13:37*	*05/28/25 20:14*	*1*
Nitrobenzene-d5	*93*		*29 - 129*	*05/27/25 13:37*	*05/28/25 20:14*	*1*
Phenol-d5	*51*		*10 - 120*	*05/27/25 13:37*	*05/28/25 20:14*	*1*
p-Terphenyl-d14	*79*		*33 - 132*	*05/27/25 13:37*	*05/28/25 20:14*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:31	1
Arsenic	ND		0.010	0.0056	mg/L		05/28/25 09:21	05/29/25 10:31	1
Barium	**0.11**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:31	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:31	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:31	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:31	1
Iron	**8.2**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:31	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:31	1
Magnesium	**23.4**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:31	1
Manganese	**0.42**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:31	1
Nickel	**0.0016**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:31	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:31	1
Sodium	**2.3**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:31	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/28/25 15:13	05/29/25 12:54	1

Client Sample ID: GW-32S-250523
Lab Sample ID: 480-229678-3

Date Collected: 05/23/25 10:50
Matrix: Water

Date Received: 05/23/25 14:15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/25 18:04	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/27/25 18:04	1
Acetone	ND		10	3.0	ug/L			05/27/25 18:04	1
Benzene	ND		1.0	0.41	ug/L			05/27/25 18:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*05/27/25 18:04*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/25 18:04*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/27/25 18:04*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/27/25 18:04*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/28/25 20:41	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 20:41	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/28/25 20:41	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/28/25 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*25 - 144*	*05/27/25 13:37*	*05/28/25 20:41*	*1*
2-Fluorobiphenyl	*84*		*53 - 126*	*05/27/25 13:37*	*05/28/25 20:41*	*1*
2-Fluorophenol	*92*		*24 - 120*	*05/27/25 13:37*	*05/28/25 20:41*	*1*
Nitrobenzene-d5	*88*		*29 - 129*	*05/27/25 13:37*	*05/28/25 20:41*	*1*
Phenol-d5	*49*		*10 - 120*	*05/27/25 13:37*	*05/28/25 20:41*	*1*
p-Terphenyl-d14	*98*		*33 - 132*	*05/27/25 13:37*	*05/28/25 20:41*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:33	1
Arsenic	ND		0.010	0.0056	mg/L		05/28/25 09:21	05/29/25 10:33	1
Barium	**0.046**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:33	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:33	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:33	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:33	1
Iron	**0.075**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:33	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:33	1
Magnesium	**25.0**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:33	1
Manganese	**0.22**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:33	1
Nickel	**0.0048**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:33	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:33	1
Sodium	**3.3**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:33	1
Zinc	**0.0019**	**J**	0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/28/25 15:13	05/29/25 12:56	1

Client Sample ID: GW-26D-250523
Date Collected: 05/23/25 12:05
Date Received: 05/23/25 14:15

Lab Sample ID: 480-229678-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/25 18:26	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/27/25 18:26	1
Acetone	ND		10	3.0	ug/L			05/27/25 18:26	1
Benzene	ND		1.0	0.41	ug/L			05/27/25 18:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*05/27/25 18:26*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/27/25 18:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/27/25 18:26*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/27/25 18:26*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/28/25 21:08	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/28/25 21:08	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/28/25 21:08	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/28/25 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*117*		*25 - 144*	*05/27/25 13:37*	*05/28/25 21:08*	*1*
2-Fluorobiphenyl	*106*		*53 - 126*	*05/27/25 13:37*	*05/28/25 21:08*	*1*
2-Fluorophenol	*98*		*24 - 120*	*05/27/25 13:37*	*05/28/25 21:08*	*1*
Nitrobenzene-d5	*92*		*29 - 129*	*05/27/25 13:37*	*05/28/25 21:08*	*1*
Phenol-d5	*45*		*10 - 120*	*05/27/25 13:37*	*05/28/25 21:08*	*1*
p-Terphenyl-d14	*94*		*33 - 132*	*05/27/25 13:37*	*05/28/25 21:08*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:35	1
Arsenic	ND		0.010	0.0056	mg/L		05/28/25 09:21	05/29/25 10:35	1
Barium	**0.12**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:35	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:35	1
Chromium	**0.0057**		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:35	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:35	1
Iron	**2.8**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:35	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:35	1
Magnesium	**19.1**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:35	1
Manganese	**0.30**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:35	1
Nickel	ND		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:35	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:35	1
Sodium	**264**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:35	1
Zinc	ND		0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/28/25 15:13	05/29/25 12:57	1

Client Sample ID: GW-35S-250523
Date Collected: 05/23/25 12:40
Date Received: 05/23/25 14:15

Lab Sample ID: 480-229678-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/25 18:48	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/27/25 18:48	1
Acetone	ND		10	3.0	ug/L			05/27/25 18:48	1
Benzene	ND		1.0	0.41	ug/L			05/27/25 18:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*05/27/25 18:48*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/27/25 18:48*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/27/25 18:48*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/27/25 18:48*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		11	0.55	ug/L		05/27/25 13:37	05/28/25 21:35	1
1,4-Dichlorobenzene	ND		11	0.52	ug/L		05/27/25 13:37	05/28/25 21:35	1
Bis(2-ethylhexyl) phthalate	ND		5.7	2.5	ug/L		05/27/25 13:37	05/28/25 21:35	1
Phenol	ND		5.7	0.44	ug/L		05/27/25 13:37	05/28/25 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*25 - 144*	*05/27/25 13:37*	*05/28/25 21:35*	*1*
2-Fluorobiphenyl	*107*		*53 - 126*	*05/27/25 13:37*	*05/28/25 21:35*	*1*
2-Fluorophenol	*86*		*24 - 120*	*05/27/25 13:37*	*05/28/25 21:35*	*1*
Nitrobenzene-d5	*70*		*29 - 129*	*05/27/25 13:37*	*05/28/25 21:35*	*1*
Phenol-d5	*50*		*10 - 120*	*05/27/25 13:37*	*05/28/25 21:35*	*1*
p-Terphenyl-d14	*98*		*33 - 132*	*05/27/25 13:37*	*05/28/25 21:35*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:37	1
Arsenic	ND		0.010	0.0056	mg/L		05/28/25 09:21	05/29/25 10:37	1
Barium	**0.070**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:37	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:37	1
Chromium	**0.0018**	**J**	0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:37	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:37	1
Iron	**0.055**		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:37	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:37	1
Magnesium	**21.6**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:37	1
Manganese	**0.42**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:37	1
Nickel	**0.0027**	**J**	0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:37	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:37	1
Sodium	**2.4**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:37	1
Zinc	**0.0015**	**J**	0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/28/25 15:13	05/29/25 12:58	1

Client Sample ID: GW-33S-250523
Date Collected: 05/23/25 13:25
Date Received: 05/23/25 14:15

Lab Sample ID: 480-229678-6
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/25 19:10	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/27/25 19:10	1
Acetone	ND		10	3.0	ug/L			05/27/25 19:10	1
Benzene	ND		1.0	0.41	ug/L			05/27/25 19:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/25 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*05/27/25 19:10*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/25 19:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/27/25 19:10*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/27/25 19:10*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/27/25 13:37	05/29/25 14:52	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/27/25 13:37	05/29/25 14:52	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		05/27/25 13:37	05/29/25 14:52	1
Phenol	ND		5.2	0.41	ug/L		05/27/25 13:37	05/29/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*25 - 144*	*05/27/25 13:37*	*05/29/25 14:52*	*1*
2-Fluorobiphenyl	*99*		*53 - 126*	*05/27/25 13:37*	*05/29/25 14:52*	*1*
2-Fluorophenol	*73*		*24 - 120*	*05/27/25 13:37*	*05/29/25 14:52*	*1*
Nitrobenzene-d5	*89*		*29 - 129*	*05/27/25 13:37*	*05/29/25 14:52*	*1*
Phenol-d5	*51*		*10 - 120*	*05/27/25 13:37*	*05/29/25 14:52*	*1*
p-Terphenyl-d14	*90*		*33 - 132*	*05/27/25 13:37*	*05/29/25 14:52*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/28/25 09:21	05/29/25 10:39	1
Arsenic	ND		0.010	0.0056	mg/L		05/28/25 09:21	05/29/25 10:39	1
Barium	**0.071**		0.0020	0.00070	mg/L		05/28/25 09:21	05/29/25 10:39	1
Cadmium	ND		0.0010	0.00050	mg/L		05/28/25 09:21	05/29/25 10:39	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/25 09:21	05/29/25 10:39	1
Copper	ND		0.010	0.0016	mg/L		05/28/25 09:21	05/29/25 10:39	1
Iron	ND		0.050	0.019	mg/L		05/28/25 09:21	05/29/25 10:39	1
Lead	ND		0.0050	0.0030	mg/L		05/28/25 09:21	05/29/25 10:39	1
Magnesium	**28.8**		0.20	0.043	mg/L		05/28/25 09:21	05/29/25 10:39	1
Manganese	**0.018**		0.0030	0.00040	mg/L		05/28/25 09:21	05/29/25 10:39	1
Nickel	ND		0.010	0.0013	mg/L		05/28/25 09:21	05/29/25 10:39	1
Silver	ND		0.0030	0.0017	mg/L		05/28/25 09:21	05/29/25 10:39	1
Sodium	**2.5**		1.0	0.32	mg/L		05/28/25 09:21	05/29/25 10:39	1
Zinc	**0.0023**	**J**	0.010	0.0015	mg/L		05/28/25 09:21	05/29/25 10:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		05/28/25 15:13	05/29/25 13:00	1

Client: AECOM
Project/Site: Landfill GW Monitoring

Job ID: 480-229678-1

Client Sample ID: Trip Blank
Date Collected: 05/23/25 00:00
Date Received: 05/23/25 14:15

Lab Sample ID: 480-229678-7
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/25 19:32	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/27/25 19:32	1
Acetone	ND		10	3.0	ug/L			05/27/25 19:32	1
Benzene	ND		1.0	0.41	ug/L			05/27/25 19:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/25 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*05/27/25 19:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/25 19:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/27/25 19:32*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/27/25 19:32*	*1*

APPENDIX B

SUPPORT DOCUMENTATION

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. Hornes	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-201085-13273.1
Client Contact: ~~Ms. Ann-Marie Kropovitch~~ / Rob Murphy	Phone: 585-317-6137	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of ~~3~~ 2
Company: AECOM	PWSID:			Job #:
Address: 50 Lakefront Boulevard Suite 111	Due Date Requested:			
City: Buffalo	TAT Requested (days): STD			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1710743			
Email: rob.murphy ~~ann.marie.kropovitch~~@aecom.com	WO #: 60411174.11175616.00000			
Project Name: Pfohl Brothers Landfill GW Monitoring	Project #: 48002609			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: D - HNO3, N - None, A - HCl

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7470A	8270D - Semivolatiles - Pfohl List	8260C - Volatiles - Pfohl List	6010C, 7470A - Dissolved	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	N	A	D		
GW-07D-250521	5/21/25	1050	G	Water					X		3	
GW-07S-250521	5/21/25	1150	G	Water					X		3	
GW-04S-250521	5/21/25	1250	G	Water					X		3	
GW-04D-250521	5/21/25	1420	G	Water			X	X	X		6	
GW-04S-250521	5/21/25	1430	G	Water			X	X	~~X~~		3	6010C, 7470A, 8270D on
GW-01S-250521	5/21/25	1540	G	Water			X	X	X		6	
GW-01D-250521	5/21/25	1650	G	Water			X	X	X		6	
GW-07D-250522	5/22/25	0845	G	Water	Y		X	X		X		
GW-07S-250522	5/22/25	0850	G	Water			X	X				
GW-34S-250522	5/22/25	1010	G	Water			X	X	X			
GW-03S-250522	5/22/25	1115	G	Water			X	X	X			

480-229635 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Dani VanMaster	5/22/25 @ 1740	AECOM	VHS	5-22-25 1740	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 5.6, 7.4 IR #5C ice

Ver: 10/10/2024

Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. Homacki	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-201085-13273.2
Client Contact: ~~Ms. Ann Marie Kropovitch~~ Rob Murphy	Phone: 585-317-6137	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 50 Lakefront Boulevard Suite 111	Due Date Requested:			Preservation Codes: D - HNO3 N - None A - HCL
City: Buffalo	TAT Requested (days): STD			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1710743			
Email: rob.murphy ~~ann.marie.kropovitch~~@aecom.com	WO #: 60411174.11175616.00000			Other:
Project Name: Pfohl Brothers Landfill GW Monitoring	Project #: 48002609			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7470A (D)	8270D - Semivolatiles - Pfohl List (N)	8260C - Volatiles - Pfohl List (A)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	A		
FD-250522	5/22/25	—	G	Water			X	X	X	6	
GW-030-250522	5/22/25	1235	G	Water			X	X	X	6	
GW-080-250522	5/22/25	1415	G	Water		Y	X	X	X	6	
GW-080-250522-MS	5/22/25	1415	G	Water		Y	X	X	X	6	
GW-080-250522-MSD	5/22/25	1415	G	Water		Y	X	X	X	6	
GW-085R-250522	5/22/25	1505	G	Water			X	X	X	6	
GW-285-250522	5/22/25	1555	G	Water			X	X	X	6	
GW-295-250522	5/22/25	1650	G	Water			X	X	X	6	
TR:PBlank	5/22/25	—	G	Water					X	1	
				Water							
				Water							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Dani Vanmanen	5/22/25 1740	AECOM			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-229635-1

Login Number: 229635

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.6, 7.4 IR#SC ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Job Narrative
480-229635-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/23/2025 5:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.6°C and 7.4°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-07D-250522 (480-229635-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The absolute response for total Zinc was greater than the method reporting limit (RL) in the following samples: FD-250522 (480-229635-12) and GW-03D-250522 (480-229635-13).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-747384 is outside the acceptance criteria for the following analytes: total Silver, Nickel, and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D - Dissolved: The linear range check (LRC) standard recovery associated with 480-747348 is outside the acceptance criteria for the following analytes: dissolved Silver, Barium, Chromium, Magnesium, Sodium, and Manganese. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D - Dissolved: The linear range check (LRC) standard recovery associated with 480-747348 is outside the acceptance criteria for the following analytes: dissolved Silver, Chromium, Magnesium, Sodium, and Manganese. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D - Dissolved: The linear range check (LRC) standard recovery associated with 480-747637 is outside the acceptance criteria for the following analytes: dissolved Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Collin Horrocks	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-201085-13273.3
Client Contact: ~~Ms. Ann Marie Kropovitch~~ Rob Murphy	Phone: 585-317-6137	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page ~~3 of 3~~ 1 of 1
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 50 Lakefront Boulevard Suite 111	Due Date Requested:			Preservation Codes: D - HNO3 N - None A - HCL
City: Buffalo	TAT Requested (days): STD			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1710743			
Email: Rob.murphy ~~annmarie.kropovitch~~@aecom.com	WO #: 60411174.11175616.00000			Other:
Project Name: Pfohl Brothers Landfill GW Monitoring	Project #: 48002609			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7470A D	8270D - Semivolatiles - Pfohl List N	8260C - Volatiles - Pfohl List A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	A		
GW-305-250523	5123125	0915	G	Water			X	X	X	6	
GW-315-250523	5123125	1005	G	Water			X	X	X	6	
~~TRIP BLANK~~ GW-325-250523	5123125	1050	G	Water			X	X	X	6	
~~TRIP BLANK~~ GW-260-250523	5123125	1205	G	Water			X	X	X	6	
GW-355-250523	5123125	1240	G	Water			X	X	X	6	
GW-335-250523	5123125	1325	G	Water			X	X	X	6	
TRIP BLANK	5123125	—	G	Water					X	1	

480-229678 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Dani VanMeter	5/23/25 1415	AECOM	[signature]	5/23/25 1414	ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 8.8 IR#5C ICE

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-229678-1

Login Number: 229678

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	8.8 IR#SC ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Job Narrative
480-229678-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/23/2025 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.8°C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-747125 recovered outside acceptance criteria, low biased, for Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The following samples are impacted: GW-31S-250523 (480-229678-2), GW-32S-250523 (480-229678-3), GW-26D-250523 (480-229678-4), GW-35S-250523 (480-229678-5), GW-33S-250523 (480-229678-6) and Trip Blank (480-229678-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The absolute response for total Zinc was greater than the method reporting limit (RL) in the following sample: GW-26D-250523 (480-229678-4).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-747384 is outside the acceptance criteria for the following analytes: total Silver, Nickel, and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

ATTACHMENT C Photograph Logs

June 17, 2025 through June 18, 2025

AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
1	6/17/2025

Photo Direction:

West

Description:

Monitoring well GW-34S.



Photo No.	Date:
2	6/17/2025

Photo Direction:

North

Description:

Monitoring well GW-03D.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
3	6/17/2025

Photo Direction:

North

Description:

Monitoring well GW-03S.



Photo No.	Date:
4	6/17/2025

Photo Direction:

North

Description:

Wet well WW-02 in foreground, monitoring wells GW-08SR and GW08D in background.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
5	6/17/2025

Photo Direction:

North

Description:

Monitoring well GW-08SR.



Photo No.	Date:
6	6/17/2025

Photo Direction:

North

Description:

Monitoring well GW-08D.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
7	6/17/2025

Photo Direction:

East

Description:

Opening in fence near northeast corner of landfill.



Photo No.	Date:
8	6/17/2025

Photo Direction:

Southeast

Description:

Monitoring well GW-28S.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
9	6/17/2025

Photo Direction:

North

Description:

Manhole for grounding rod at wet well WW-03 that was tipped over by mowing activities.



Photo No.	Date:
10	6/17/2025

Photo Direction:

North

Description:

Manhole for the grounding rod at wet well WW-03, after resetting it.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
11	6/17/2025

Photo Direction:

South

Description:

Eastern gate of southern portion of the landfill, note woody overgrowth.



Photo No.	Date:
12	6/17/2025

Photo Direction:

South

Description:

Eastern gate of southern portion of the landfill, after trimming the woody overgrowth.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
13	6/17/2025

Photo Direction:

North-northeast

Description:

Monitoring well GW-29S.



Photo No.	Date:
14	6/17/2025

Photo Direction:

Southeast

Description:

Monitoring well GW-30S.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
15	6/17/2025

Photo Direction:

Southeast

Description:

Groundhog activity at manhole MH-17.



Photo No.	Date:
16	6/17/2025

Photo Direction:

Southeast

Description:

Manhole MH-17 after filling in active groundhog hole.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
17	6/17/2025

Photo Direction:

Southeast

Description:

Monitoring well GW-31S.



Photo No.	Date:
18	6/17/2025

Photo Direction:

South

Description:

Monitoring well GW-32S.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
19	6/17/2025

Photo Direction:

South

Description:

Monitoring well GW-35S.



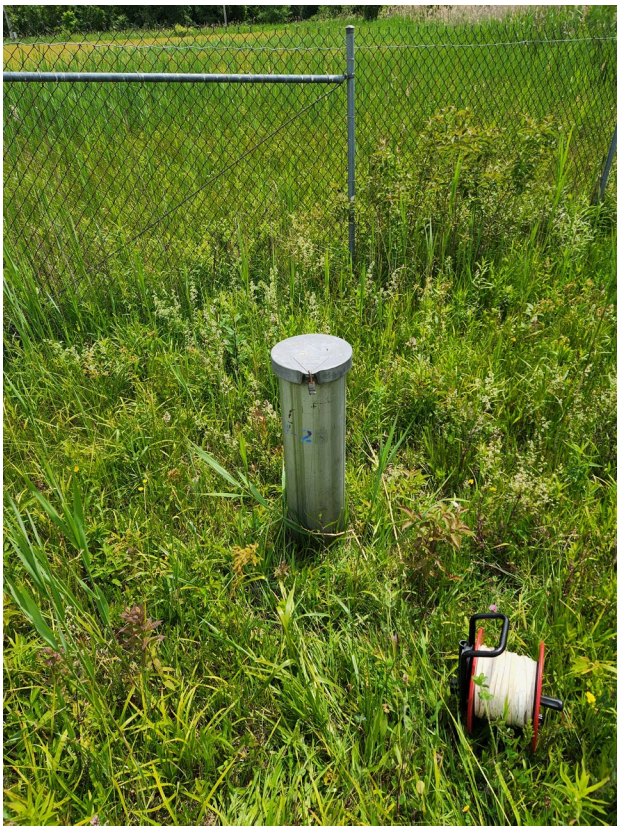
Photo No.	Date:
20	6/17/2025

Photo Direction:

South

Description:

Monitoring well GW-26D.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
21	6/17/2025

Photo Direction:

Northwest

Description:

Monitoring well GW-33S.



Photo No.	Date:
22	6/17/2025

Photo Direction:

South

Description:

Monitoring well GW-07S.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
23	6/17/2025

Photo Direction:

South

Description:

Monitoring well GW-07D.



Photo No.	Date:
24	6/17/2025

Photo Direction:

Northeast

Description:

Monitoring wells GW-01S and GW-01D.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
25	6/17/2025

Photo Direction:

West

Description:

Monitoring well GW-04D.



Photo No.	Date:
26	6/17/2025

Photo Direction:

Southwest

Description:

Monitoring well GW-04S.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
27	6/17/2025

Photo Direction:

Southwest

Description:

Groundhog activity at manhole MH-25.



Photo No.	Date:
28	6/17/2025

Photo Direction:

Southwest

Description:

Manhole MH-25 after filling in active groundhog hole.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No. 29	Date: 6/18/2025

Photo Direction:

West

Description:

Wet well WW-06 exterior.



Photo No. 30	Date: 6/18/2025

Photo Direction:

West

Description:

Wet well WW-06 interior.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No. 31	Date: 6/18/2025

Photo Direction:

North

Description:

Wet well WW-01 exterior.



Photo No. 32	Date: 6/18/2025

Photo Direction:

North

Description:

Wet well WW-01 interior.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
33	6/18/2025

Photo Direction:

North

Description:

Wet well WW-02 exterior.



Photo No.	Date:
34	6/18/2025

Photo Direction:

North

Description:

Wet well WW-02 interior.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
35	6/18/2025

Photo Direction:

Southeast

Description:

Wet well WW-03 exterior.



Photo No.	Date:
36	6/18/2025

Photo Direction:

Southeast

Description:

Wet well WW-03 interior.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
37	6/18/2025

Photo Direction:

Southeast

Description:

Wet well WW-04 exterior.



Photo No.	Date:
38	6/18/2025

Photo Direction:

Southeast

Description:

Wet well WW-04 interior.



AECOM

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Pfohl Brothers Landfill	Cheektowaga, New York	60411174

Photo No.	Date:
39	6/18/2025

Photo Direction:

South

Description:

Wet well WW-05 exterior.



Photo No.	Date:
40	6/18/2025

Photo Direction:

South

Description:

Wet well WW-05 interior.



July 1, 2025 through July 3, 2025

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60711174

Photo No.	Date:
1	7/1/25

Facility Name:

Pfohl Bros Landfill Site

Description:

North landfill – Western fence line, before clearing. Looking north.



Photo No.	Date:
2	7/1/25

Facility Name:

Pfohl Bros Landfill Site

Description:

North landfill – Western fence line, after clearing. Looking north.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60711174

Photo No.	Date:
3	7/1/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – Northwest fence line, before clearing. Looking west.



Photo No.	Date:
4	7/1/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – Northwest fence line, before clearing. Looking east.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60711174

Photo No.	Date:
5	7/3/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – North fence line, after clearing. Looking west.



Photo No.	Date:
6	7/3/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – Southeast fence line, before clearing. Looking southwest.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60711174

Photo No.	Date:
7	7/3/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – Southeast fence line, after clearing. Looking southwest.



Photo No.	Date:
8	7/3/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – Southeast fence line, before clearing. Looking southwest.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60711174

Photo No.	Date:
9	7/3/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – South fence line, before clearing. Looking south.



Photo No.	Date:
10	7/3/25

Facility Name:

Pfohl Bros Landfill Site

Description:

South landfill – South fence line, after clearing. Looking south.



December 4, 2025

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60771786

Photo No.	Date:
1	12/4/25

Facility Name:

Pfohl Bros Landfill Site

Description:

Landfill Discharge Vault. Looking West.



Photo No.	Date:
2	12/4/25

Facility Name:

Pfohl Bros Landfill Site

Description:

North landfill - Looking east from northwest corner.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60771786

Photo No.	Date:
3	12/4/25

Facility Name:

Pfohl Bros Landfill Site

Description:

North landfill – Looking east northeast from control building.



Photo No.	Date:
4	12/4/25

Facility Name:

Pfohl Bros Landfill Site

Description:

North landfill – Looking east southeast from control building towards south landfill area.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Pfohl Bros Landfill Site	Cheektowaga, New York	60771786

Photo No.	Date:
5	12/4/25

Facility Name:

Pfohl Bros Landfill Site

Description:

Control building and entry gate. Looking north.



ATTACHMENT D IC/EC Certification

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

Site Details **Box 1**

Site No. **915043**

Site Name Pfohl Brothers Landfill

Site Address: Aero Drive and Transit Road Zip Code: 14225
City/Town: Cheektowaga
County: Erie
Site Acreage: 102.510

Reporting Period: January 01, 2025 to January 01, 2026

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

Box 2

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

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915043 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
Portion of 81.04-1-26	Shahjalal MGMT Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Surface Water Use Restriction O&M Plan

In accordance with the Declaration of Covenants and Restrictions filed with the Erie County Clerk's Office on 4/25/03 and included as Appendix P in the Remedial Action Construction Report, Vol. II, the following Controls are in place:
A. Entire Site: i) Groundwater use prohibition, ii) Surface water use prohibition.
B. Capped Area: i) Fencing, ii) No Excavation, iii) Planting trees/shrubs prohibited.
C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 81.04-1-27	Paul Pfohl	Surface Water Use Restriction O&M Plan Ground Water Use Restriction Landuse Restriction Soil Management Plan

In accordance with the Declaration of Covenants and Restrictions filed with the Erie County Clerk's Office on 4/25/03 and included as Appendix P in the Remedial Action Construction Report, Vol. II, the following Controls are in place:
A. Entire Site: i) Groundwater use prohibition, ii) Surface water use prohibition.
B. Capped Area: i) Fencing, ii) No Excavation, iii) Planting trees/shrubs prohibited.
C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 81.04-1-28.1	Paul Pfohl	Ground Water Use Restriction Landuse Restriction Soil Management Plan Surface Water Use Restriction O&M Plan

In accordance with the Declaration of Covenants and Restrictions filed with the Erie County Clerk's Office on 4/25/03 and included as Appendix P in the Remedial Action Construction Report, Vol. II, the following Controls are in place:
A. Entire Site: i) Groundwater use prohibition, ii) Surface water use prohibition.
B. Capped Area: i) Fencing, ii) No Excavation, iii) Planting trees/shrubs prohibited.
C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 81.04-2-10.1	Paul Pfohl	Ground Water Use Restriction Landuse Restriction

Building Use Restriction

In accordance with the Declaration of Covenants and Restrictions filed with the Erie County Clerk's Office on 4/25/03 and included as Appendix P in the Remedial Action Construction Report, Vol. II, the following Controls are in place:
A. Entire Site: i) Groundwater use prohibition, ii) Surface water use prohibition.
B. Capped Area: i) Fencing, ii) No Excavation, iii) Planting trees/shrubs prohibited.
C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 81.04-2-11 Paul Pfohl

Soil Management Plan
Surface Water Use Restriction
O&M Plan
Ground Water Use Restriction
Landuse Restriction

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Portion of 81.04-2-9.1 Paul Pfohl

Surface Water Use Restriction
O&M Plan
Ground Water Use Restriction
Landuse Restriction
Soil Management Plan

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Portion of 82.03-4-10 Elizabeth L. McBride

Ground Water Use Restriction
Landuse Restriction

Soil Management Plan
Surface Water Use Restriction
O&M Plan

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A. Entire Site: i) Groundwater use prohibition, ii) Surface water use prohibition.

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C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 82.03-4-11 Paul Pfohl

Ground Water Use Restriction
Landuse Restriction
Building Use Restriction

In accordance with the Declaration of Covenants and Restrictions filed with the Erie County Clerk's Office on 4/25/03 and included as Appendix P in the Remedial Action Construction Report, Vol. II, the following Controls are in place:
A. Entire Site: i) Groundwater use prohibition, ii) Surface water use prohibition.
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C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 82.03-4-5 Paul Pfohl

Ground Water Use Restriction
Landuse Restriction

Soil Management Plan
Surface Water Use Restriction
O&M Plan

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B. Capped Area: i) Fencing, ii) No Excavation, iii) Planting trees/shrubs prohibited.
C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 82.03-4-6 Paul Pfohl

Soil Management Plan
Surface Water Use Restriction
O&M Plan
Ground Water Use Restriction
Landuse Restriction

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Portion of 82.03-4-8 Paul Pfohl

Ground Water Use Restriction
Landuse Restriction

Soil Management Plan

Surface Water Use Restriction
O&M Plan

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Portion of 82.03-4-9.11 Aero Land, Inc. c/o Jerome Hirsh

Soil Management Plan
Surface Water Use Restriction
O&M Plan
Ground Water Use Restriction
Landuse Restriction

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C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Portion of 82.03-4-9.12 Stuart Jenkins

Ground Water Use Restriction
Landuse Restriction

Soil Management Plan
Surface Water Use Restriction
O&M Plan

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B. Capped Area: i) Fencing, ii) No Excavation, iii) Planting trees/shrubs prohibited.
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Portion of 82.03-4-9.2 Aero Land, Inc. c/o Jerome Hirsh

Soil Management Plan
Surface Water Use Restriction
O&M Plan
Ground Water Use Restriction
Landuse Restriction

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C. Cleared Portion within the Perimeter Barrier System: i) Only Commercial/Industrial Development is allowed. Construction restrictions.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
Portion of 81.04-1-26	Vapor Mitigation Fencing/Access Control Cover System Leachate Collection
Portion of 81.04-1-27	Cover System Leachate Collection Fencing/Access Control Vapor Mitigation
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 81.04-1-28.1	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 81.04-2-10.1	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 81.04-2-11	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 81.04-2-9.1	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 82.03-4-10	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
Portion of 82.03-4-11	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 82.03-4-5	Vapor Mitigation

Parcel	Engineering Control
	Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 82.03-4-6	
	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 82.03-4-8	
	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 82.03-4-9.11	
	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 82.03-4-9.12	
	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	
Portion of 82.03-4-9.2	
	Vapor Mitigation Cover System Leachate Collection Fencing/Access Control
For Declaration of Covenants and Restrictions, see Appendix P in the Remedial Action Construction Report, Vol. II	

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 915043

Box 6

O & M MANAGER

SITE ~~OWNER~~ OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Patrick Bowen, P.E. (print name) at Town of Cheektowaga Engineering Dept 275 Alexander Ave, Cheektowaga, NY 14211 (print business address),

am certifying as Site O & M Manager (~~Owner or Remedial Party~~)

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

Patrick Bowen
Signature of ~~Owner, Remedial Party~~, or Designated Representative Rendering Certification Site O & M Provider/Manager

7 / 31 / 2026
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Patrick Bowen, P.E. at Town of Cheektowaga Engineering Dept 275 Alexander Ave, Cheektowaga, NY 14211,

print name — print business address

am certifying as a Professional Engineer for the Town of Cheektowaga

(~~Owner or Remedial Party~~) (Site O & M Provider/Manager)



Patrick T. Bowen — Signature of Professional Engineer, for the ~~Owner or Remedial Party~~, Rendering Certification
Site O & M Provider/Manager

Stamp (Required for PE)

7/31/26 — Date