2025 Periodic Review Report
(Reporting Period: April 30, 2024 – April 30, 2025)

Location:

ExxonMobil Oil Former Buffalo Terminal OU-3
503, 625 Elk Street, and 1 Babcock Street, Buffalo, New York
NYSDEC Site No. C915201D

Prepared for:

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1.0 EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is a required element of the approved Site Management Plan (SMP) for Operable Unit No. 3 (OU-3) of the ExxonMobil Oil Former Buffalo Terminal Site in Buffalo, New York (hereafter referred to as the "Site"). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) No. C915201D-08-17, which was executed in October 2017 and amended in January, September, and October of 2019.

1.1 Site Summary

The Site encompasses approximately 33.12 acres of industrially zoned land located on the northern bank of the Buffalo River in the City of Buffalo, Erie County, New York. Historically, the Site was associated with a petroleum refinery and terminal that commenced operation in the 1880s. Refinery operations ceased in 1981, but distribution terminal operations have continued on a portion of the Site. With the exception of the active petroleum terminal facility that occupies the eastern portion of the Site, the petroleum storage tanks and related facilities on the western portion of the Site were largely removed prior to remedial construction activities in 2018 - 2019 under the New York State Brownfield Cleanup Program (BCP). The portion of the Site that contains the active petroleum terminal is occupied by numerous petroleum bulk storage tanks and related containment structures, as well as a storm water detention basin and concrete/asphalt surfaces. The central area of the Site is populated with a newly constructed solar array. The western portion of the site is largely paved and utilized for new, incomplete truck chassis staging. The remainder of the Site is occupied by an active groundwater extraction and treatment system (GWETS) and a handful of vacant structures; and generally, consists of open area surfaced with crushed stone, asphalt paved parking areas, and access roads. It should be noted 1.9 acres of space on the 1 Babcock Street parcel, Operable Unit No. 3 West (OU-3) by Steven's Driving School (SDS). SDS will use this space for the staging of Four (4) empty (no load) 53' tractor trailers. Additionally the space will be used to train drivers looking for CDL and other truck licensing and certification.

Environmental investigations conducted at the Site revealed that contamination associated with historical petroleum operations had impacted the Site, necessitating remedial activities. The remedial activities were completed pursuant to the BCP with oversight by the New York State Department of Environmental Conservation (NYSDEC) and Department of Health (NYSDOH). Following completion of the remedial work described in the NYSDEC-approved Remedial Action Work Plan (RAWP), some contamination was left in the subsurface of the Site, which is hereafter referred to as "remaining contamination." The remedial efforts also included the development of a SMP to manage the remaining contamination at the Site in perpetuity or until extinguishment of the Environmental Easements that were placed on the Site, in accordance with Environmental Conservation Law (ECL) Article 71, Title 36.

Supplemental remedial measures have been implemented at the Site to address an area of residual contamination that was allowed to remain in place under the final Site remedy constructed at the Site under the BCP. This area is located on the western margin of the site and is transected by a Combined Sewer Overflow (CSO) structure that functioned as a pathway for contaminant infiltration and migration to the Buffalo River. Components of the supplemental remedy were implemented in 2020. Additional measures were necessary and were completed in April 2022 to eliminate remaining contaminant migration pathways to the river. In September 2024 and January of 2025, a supplemental investigation of the Western Area of OU-3 was conducted; the findings of which have been presented in a separate document.

In December of 2022, the region experienced a significant blizzard. During this storm, power was lost at the Site for approximately 53 hours. As a result of the power outage, the groundwater extraction system conveyance piping froze and was determined to be a total loss. Every measure was taken during the replacement of the extraction piping and equipment to retain system uptime. The extraction system was fully operational on April 12, 2023, following piping repairs and equipment replacement.

In December 2023, work began on the construction of the Elk Street Solar project. On December 8, 2023, a survey crew unintentionally damaged the liner in the central area of OU-3. Repairs to the liner were completed in January 2024, and documentation of the liner repairs was submitted to NYSDEC under separate cover on March 1, 2024. Construction of the solar arrays in the central area of OU-3 proceeded throughout 2024 and into the first half of 2025. The solar array installation was successfully completed in June 2025 and is now fully operational. Importantly, no additional impacts to the cover system occurred during the final stages of construction, and the integrity of the cover system remains intact and uncompromised.

In January 2024, the GWETS was down due to successive, severe winter snowstorms. Each extraction well suffered damage to effluent piping in the conveyance system. The system was restarted in full on January 24, 2024, incurring 12 days of downtime.

The Western Area Investigation was conducted between September 2024 and February 2025 as part of the continued remedial evaluation of the site. All field activities were performed under the oversight of qualified environmental professionals and in accordance with the approved work plan. The findings from this investigation are documented in the associated investigation summary report, and supporting field data, including soil boring logs, analytical results, and groundwater elevation data, are included in the relevant appendices.

There were no significant GWETS upsets or long periods of downtime during the 2024-2025 reporting period.

1.2 Effectiveness of Remedial Program

Based on a recent inspection of the Site, the Site cover and containment systems are intact and functioning as designed. Additionally, inspections and monitoring data compiled during the reporting period indicate the current groundwater extraction and treatment system is operating effectively and has achieved hydraulic control based upon the presence of an inward gradient observed relative to groundwater elevations within the containment system. The extraction system has proven effective in maintaining hydraulic control of groundwater and petroleum Non-Aqueous Phase Liquid (NAPL) within the containment system.

Long term control and remedial measures implemented to address residual contamination in the vicinity of the CSO structure have been effective in permanently isolating the condition of the CSO structure with the sheet piling extension in December 2020 and the slip-lined barrier within the CSO pipe, installed in April 2022 to prevent the migration of petroleum product into the CSO pipe.

1.3 Non-Compliance

No areas of non-compliance regarding the major elements of the SMP were identified during the preparation of this PRR.

1.4 Recommendations

No changes to the frequency of PRR submissions are recommended at this time. The SMP and Operations, Maintenance and Monitoring (OM&M) Manual will be updated to reflect GWETS upgrades and modifications to the annual monitoring program now that it has been established and submitted to NYSDEC for review.

2.0 SITE OVERVIEW

The Site is zoned industrial, encompasses approximately 33.12 acres, and is located at 503 and 625 Elk Street and 1 Babcock Street in the City of Buffalo, Erie County, New York (see Figure 1). The eastern portion of the Site (625 Elk Street, 15.68 acres) currently functions as a petroleum products storage and distribution terminal owned by Buckeye Terminals, LLC (Buckeye). With the exception of a small building that houses the active GWTS, the central portion of the Site (503 Elk Street, 11.0 acres) is currently populated by a solar array. The western portion of the Site (1 Babcock Street, 6.44 acres) is occupied by two vacant structures,



including a three-story building and a three-bay garage building. This western area of the site is currently being used for the staging of new, incomplete truck chassis and semi-truck driver training. A change of use for this area of OU-3 was submitted during the reporting period and acknowledge by NYSDEC (June 28, 2024).

Figure 2 shows the existing Site features, including the active GWETS, several unoccupied buildings, active above ground Petroleum Bulk Storage (PBS) tanks, and related containment structures associated with the neighboring fuel terminal operated by Buckeye. The existing pipe racks area immediately surrounding the concrete containment structure that is owned and operated by Buckeye is excluded from the Site. The remainder of the Site is comprised of a solar array surfaced with crushed stone, asphalt paved parking areas, access roads, a lined stormwater retention basin, and concrete surfaces. Babcock Street extends southward from Elk Street across the western portion of the Site to its terminus at the Buffalo River. A Combined Sewer Overflow (CSO) owned and operated by the Buffalo Sewer Authority (BSA) is located beneath Babcock Street and flows southward along the roadway alignment to an outfall structure situated on the riverbank. The Site is bounded to the south by the Buffalo River; to the north by vacant industrial land and portions of the Buckeye facility that comprise Operable Unit No. 2 East and Operable Unit No. 2 West; to the east by an abandoned rail corridor and additional Buckeye PBS facilities that comprise Operable Unit No. 4; and to the west by an industrial facility occupied by PVS Chemical Solutions.

2.1 Site Background

The Site was formerly part of a petroleum refinery and terminal that occupied approximately 89 acres of land extending from Elk Street southward to the Buffalo River. Petroleum refinery operations commenced circa 1880 at this location and most of the facility was acquired by Standard Oil Company, ExxonMobil's predecessor, in 1892. All refinery operations had ceased at the facility by 1981, but the facility continued to be utilized by ExxonMobil as a distribution terminal until 2005, when the remaining active petroleum storage and distribution terminal facilities were acquired by Buckeye.

Historical facility plans indicate that extensive petroleum storage and distribution facilities previously existed on the Site, as did a large storm water control and separator system that serviced the refinery property. With the exception of the active PBS facilities operated by Buckeye, the petroleum storage facilities were removed, and the storm water system was abandoned in place in phases between 1993 and 2019.

In 2017, Elk Street Commerce Park, LLC (ESCP) entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC), as a volunteer, to remediate the Site. ESCP subsequently acquired all portions of the Site, excluding the portion owned by Buckeye, in several transactions that occurred in 2018 and 2019. Remediation of the Site was performed by ESCP in 2018-2019 in accordance with a NYSDEC-approved Remedial Action Work Plan (RAWP) dated December 2017 and revised May 2018. A Final Engineering Report (FER) summarizing and documenting the remedial program completed at the Site was filed in December 2019 and subsequently approved by the NYSDEC.

- Components of the supplemental remedy intended to address residual petroleum contamination that was documented in the vicinity of the CSO structure in the FER and permitted to remain in place under the final NYSDEC-approved remedy were implemented in December 2020 pursuant to a NYSDEC-approved RAWP Addendum dated October 12, 2020, and revised October 26, 2020. This petroleum contamination was allowed to remain in place under the final remedy due to the designation of the CSO structure as critical infrastructure that, at the time, could not be disturbed or altered. The supplemental remedial measures were implemented to address the migration of residual petroleum products into the Buffalo River in this area of the Site, which was discovered in August 2020, to have occurred outside of the Site containment area, and resulted in the implementation of response, control, and remedial measures. In December of 2020, the sheet piling was extended past the BSA CSO structure and returned northward into the site. This sheet piling confined any contribution of remaining impacted material below the CSO structure. In April of 2022, the CSO pipe itself was slip-lined to prevent migration of petroleum product into the CSO pipe. In

September of 2024 and January 2025, a supplemental investigation was conducted in the Western Area of OU-3. The Western Area investigation was completed between September 2024 and February 2025, concluding a key phase of the site assessment. Further details regarding these supplemental remedial measures are provided in Section 7.0.

2.2 Remedial Program Overview

As previously noted, the remediation program was completed in conformance with a NYSDEC-approved RAWP. The primary components of the remedial program completed at the Site are summarized below and depicted on Figure 3, where applicable:

- Demolition of a former pump house structure and abandonment of above-ground process piping. Surficial components of the existing well point system were removed outside of the tank containment areas.
- Excavation and off-site disposal of shallow soil/fill exceeding Soil Cleanup Objectives (SCOs) for industrial use;
- Hydraulic containment of groundwater and petroleum non-aqueous phase liquid (NAPL) across the majority of the Site was accomplished through the installation of interconnected vertical hydraulic barriers. The western portion of the site, in the vicinity of Babcock Street, was initially excluded from the containment area due to the presence of the BSA CSO, which was deemed critical infrastructure that could not be disturbed. Cement bentonite (CB) slurry walls were installed along the eastern and western boundaries of the containment area and were connected to a sealed sheet pile bulkhead constructed along the south boundary of the containment area (the Buffalo River). The CBs were extended a minimum of three feet into the lacustrine clay that underlies the Site, while the bulkhead was extended to bedrock below the clay layer;
- Decommissioning of the existing well point system;
- Installation and operation of a new groundwater extraction system within the containment area to remove petroleum NAPL and maintain hydraulic control within the containment area. The new extraction system was plumbed to the existing GWTS to enable the removal of petroleum NAPL and treatment of contaminated groundwater prior to the permitted discharge to the BSA;
- Installation of a hanging, sheet pile wall perpendicular to, and north of, the BSA CSO outfall structure. This hanging wall was tied into the western wall of the containment area and was intended to restrict the potential migration of NAPL occurring at or above the groundwater surface in this area toward the river;
- In-Situ Stabilization (ISS) of soils impacted with petroleum and/or metals using Portland cement in two areas situated outside of the containment area, on the western portion of the site, west of the BSA CSO;
- Establishment of a low permeability cover system across the Site to prevent exposure to remaining contamination in the soil/fill on the Site and to reduce infiltration of storm water into the containment area. Within the containment area, cover systems include existing pavement, repaired pavement, new pavement, concrete, building slabs and foundations, and geo-synthetic liners. Where geo-synthetic liners were installed, a minimum of 12-inches of clean imported stone was placed over the liner. Existing cover system components that were incorporated in the new cover system include a storm water detention basin lined with a geo-synthetic clay liner (GCL) and cover soils; and bulk petroleum storage containment areas lined with GCLs and clean gravel cover;
- Imposition of an institutional control in the form of environmental easements that require (a) limiting the use and development of the property to commercial or industrial use; (b) operating, maintaining and inspecting all engineering controls as specified in the Site Management Plan (SMP); (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by County Health Department; (d) performing groundwater and other environmental or public health monitoring as defined in the SMP; (e) reporting of data and information pertinent to Site Management as specified in the SMP; (f) conducting all activities that will disturb remaining contamination in accordance with the SMP; (g) monitoring to assess the

performance and effectiveness of the remedy as defined in the SMP; (h) compliance with the provisions for operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy as specified in the SMP; and (i) the provision of access to representatives of New York State with reasonable prior notice to the property owner;

- Development of a SMP that includes an Institutional and Engineering Control Plan; Monitoring and Sampling Plan; Operation and Maintenance Plan; Health and Safety Plan; and Excavation Work Plan specifying the means to be employed to safely manage remaining contamination at the Site and to ensure the continued performance and effectiveness of the components of the remedy.
- Periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the NYSDEC, until the NYSDEC notifies the property owner in writing that this certification is no longer needed;
- Operation of the components of the remedy until the remedial objectives have been achieved, or until the NYSDEC determines that the continued operation is technically impractical or not feasible.
- In August 2020, product/oil was observed to be emanating from near the BSA CSO structure in the Buffalo River. This release led to a multi-agency response. Spill management technologies were implemented, and further migration of the release was controlled.
- Sheet piling was extended beyond the BSA CSO outfall area to mitigate the migration of impacted material left below the outfall in December 2020.
- In April 2022 the BSA CSO structure was slip-lined to prevent the migration of petroleum product into the CSO pipe.
- In December of 2022, the region experienced a significant blizzard. During this storm, power was lost at the Site for approximately 53 hours. As a result of the power outage, the groundwater extraction system conveyance piping froze and was determined to be a total loss. Every measure was taken during the replacement of the extraction piping and equipment to retain system uptime. The extraction system was fully operational on April 12, 2023, following piping repairs and equipment replacement. Flow meters associated with the extraction wells were not replaced due to material build up causing flowmeter interruption issues, and freezing susceptibility in cold weather months.
- In December of 2023, the liner in the central portion of OU-3 was unintentionally damaged during surveying activities for the solar array construction. The liner was repaired in January 2024.
- In January 2024, the GWETS was down due to successive, severe winter snowstorms. Each extraction well suffered damage to effluent piping in the conveyance system. The system was restarted in full on January 24, 2024.
- In September of 2024 through January 2025, a supplemental investigation was conducted in the Western Area of OU-3.

3.0 EFFECTIVENESS OF THE REMEDIAL PROGRAM

As detailed below in Section 4.2, the Site cover and hydraulic containment systems at the Site were inspected periodically throughout the reporting period and an annual inspection of these systems was conducted on April 25, 2025. Based on these inspections, these engineering controls are intact and functioning effectively. Furthermore, inspections and monitoring data compiled during the reporting period indicate that the GWETS is operating effectively and has achieved hydraulic control based upon the presence of an inward gradient observed relative to groundwater elevations within the containment system. The NYSDEC-endorsed modifications to the groundwater extraction treatment system have proven effective in increasing the capacity of the system and achieving hydraulic control of groundwater and petroleum Non-Aqueous Phase Liquid (NAPL) within the containment system. Monitoring data from the GWETS indicate that the system effectively separated NAPL from the groundwater influent for collection, containment, storage, and disposal; and that the treatment process achieved compliance with the discharge limitations prescribed under the sewer discharge permit for the treated effluent. During the reporting period, the treatment system effectively treated 24,165,977 gallons of groundwater generated by the extraction system. This total flow number was derived from the GWTS discharge flowmeter, of which monthly totals are sent to the BSA. LNAPL was recovered during the reporting period from the GWTS in OWS-1 (13.00 gallons) and 10.28 gallons was

recovered from the three wells installed outside of the containment system installed during the hydrogeologic study performed in relation to the BSA CSO repairs as an interim measure for NAPL control. From the recent supplemental investigation of the Western Area, five additional wells were installed in January 2025 for NAPL monitoring.

As described in Section 7.0, the final remedy constructed at the Site in 2018-2019 under the BCP allowed for subsurface petroleum contamination in the vicinity of the BSA CSO structure to remain in place. The discovery of petroleum product migrating into the river in this area of the Site in August 2020 necessitated the implementation of supplemental control and remedial measures. Said control and remedial measures were conducted in accordance with NYSDEC-approved work plans.

Two long-term solutions addressing the condition of the BSA CSO structure were designed and implemented. A sheet piling extension was installed in December 2020 to eliminate the potential migration of material left in place below the BSA CSO outfall. Further, from January through April 2022, the CSO was slip-lined with a new 63" HDPE pipe to prevent the migration of petroleum product into the CSO pipe. These two significant construction tasks have been incorporated into the final remedy for the Site.

In December of 2022, the region experienced a significant blizzard. During this storm, power was lost at the Site for approximately 53 hours. As a result of the power outage, the extraction system conveyance piping froze and was determined to be a total loss. During this period of downtime, the groundwater within the containment system rose approximately 2.6' on average. Every measure was taken during the replacement of the extraction piping to retain system uptime. The extraction system was fully operational on April 12, 2023, following piping repairs and equipment replacement. Flow meters associated with the extraction wells were not replaced due to material build up causing flowmeter interruption issues, and freezing susceptibility in cold weather months.

In mid to late January of 2024, successive winter storms with heavy snow hindered the GWETS, forcing a shut down on January 12, 2024. The effluent line connection from all the extraction wells froze where the piping joined the main conveyance piping. EW-1 and EW-2 sustained readily repairable damage and these two wells were restarted on January 19, 2024. EW-4, 5, and 6 sustained more significant damage at their respective tie-in locations. A bypass for these wells was constructed in the interest of uptime and all the wells were operable by January 24, 2024. By March 1, 2024, all the wells were pumping into the repaired conveyance line.

From September 2024 through January 2025, a supplemental investigation was conducted in the Western Area of OU-3, the findings of which are presented under separate cover. The newly installed Western Area wells were installed in January and February 2025, and the entire investigation was completed between September 2024 and February 2025.

4.0 INSTITUTIONAL/ENGINEERING CONTROL (IC/EC) PLAN COMPLIANCE REPORT

4.1 Institutional Control Requirements and Compliance

In accordance with the SMP, a series of Institutional Controls (ICs) have been established for the Site in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easements. The Environmental Easements are included as Appendix 1. The ICs specified in the SMP are as follows:

- The property may be used for commercial or industrial use;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe

for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easements;
- The potential for vapor intrusion must be evaluated for any new buildings developed at the Site, and any potential impacts that are identified must be monitored or mitigated; and,
- Vegetable gardens and farming on the Site are prohibited.

With the exception of the NYSDEC-approved modifications to the operation of the GWETS, which are discussed in Section 4.2.3, the operation, maintenance, monitoring, inspection, and reporting of all components of the remedy was performed as defined in the SMP and compliance with the above listed ICs was achieved.

4.2 Engineering Control Requirements and Compliance

4.2.1 Site Cover System

Exposure to the remaining contamination in soil/fill at the Site is prevented by a low permeability cover system that was placed over the Site. This cover system is a permanent control, and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity. The Excavation Work Plan, which is intended to appear in the revised SMP, outlines the procedures that are required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed; however, the SMP has not yet been revised to incorporate these updates.

The integrity of the Site cover system was visually inspected monthly throughout the reporting period. LaBella Associates, DPC (LaBella) performed the monthly inspections of the cover system on the Site. The monthly inspection reports are included in Appendix 1.

Throughout the reporting period, the only noted deficiency was a minor settlement near the eastern king piling, first observed in November 2024. As documented in the monthly inspection reports, no other signs of deterioration or damage to the cover system components were identified that required repair or replacement. Additionally, a sinkhole that had formed on the Buckeye Properties site was promptly and effectively remediated. Following a comprehensive assessment, the area was properly backfilled and stabilized to ensure long-term structural integrity. The surface was then restored using high-quality asphalt patch, carefully matched to the existing pavement, fully reestablishing both the safety and functionality of the site. However, surficial pavement cracking was also observed on other portions of the Buckeye Properties and will need to be addressed to prevent further deterioration and to maintain surface integrity across the site.

An annual inspection of the cover system across the entire site was performed on April 25, 2025. This inspection was completed by traversing the Site on foot to visually observe the condition of the various cover system components.

The Cover Inspection Form completed during the annual inspection is also included in Appendix 1, while Appendix 2 includes photographs taken during the cover system inspections and site activities through the reporting period.

4.2.2 Hydraulic Containment System

The hydraulic containment system installed to control groundwater and petroleum NAPL on the Site consists of a system of interconnected vertical barriers. This system includes buried Cement Bentonite (CB) slurry walls and a sealed sheet pile bulkhead. Visibly exposed portions of the hydraulic containment system, which are limited to the southern face of the sealed sheet pile bulkhead that extends along the Buffalo River at the southern Site boundary and occur above the waterline, were examined from the top of the bulkhead (as feasible) during the annual cover system inspection. The integrity of the bulkhead above the water line appeared to be uncompromised with no visible signs of leakage or seepage observed on the face of the bulkhead wall. In January of 2020, several seeps were observed around the containment wall tie-back waler system during low river stage conditions. These seeps were categorized as very minor and have not been observed during subsequent monthly inspections performed throughout this current reporting period. Consequently, no repairs have been required. This will continue to be monitored as prescribed in the SMP, and any leaks that are identified in the future will be addressed.

Hydraulic containment along the Buffalo River is actively maintained through the routine operation of extraction wells EW-1, EW-2, EW-4, EW-5, and EW-6, with EW-7 operated intermittently as needed. These wells are strategically pumped to control groundwater flow and prevent contaminant migration toward the river. In addition to pumping activities, a subsurface containment wall constructed along the river provides a physical barrier to further enhance containment. The integrity of the site cap is inspected on a monthly basis, and groundwater levels in monitoring wells throughout the site are also measured monthly to verify the effectiveness of the containment system and ensure hydraulic control is being maintained.

4.2.3 Groundwater Control System

Fluids removed via the extraction wells are conveyed to the GWTS for treatment and discharged to the BSA sewer system. The GWTS includes oil/water separation to remove separate phase petroleum product and air sparging to remove dissolved phase constituents. Flow monitoring was conducted on the GWTS discharge using a properly calibrated ISCO Open Channel Bubbler flowmeter. Appendix 3 contains BSA Discharge Monitoring Reports submitted throughout the period, including discharge sampling data, flow data, and general performance data of the GWTS. Also included are compliance communications received from the BSA and flowmeter calibrations.

The groundwater extraction system that was originally installed as a component of the Site remedy consisted of six extraction wells (EW-1 through EW-6) equipped with pneumatically driven pumps and designed to operate at a total flow rate of 30 gallons per minute (GPM). The pneumatic system was not designed to enable variable pumping rates at the individual extraction wells, or to monitor the individual yields of the extraction wells.

In order to improve the performance of the extraction system, the existing pneumatic pumps in five of the six extraction wells were replaced with higher capacity, variable flow rate, electric submersible pumps. Although re-developed in June 2020, the yield of EW-3 was determined to be insufficient to operate the low flow pneumatic pump and was not converted to an electric submersible pump. The modifications to the extraction system were completed as specified in the work plan dated November 2, 2020, which was submitted to and approved by NYSDEC. The new pumps and electrical service to the well-heads were installed in December 2020 and the modified system has been in operation since January 2021.

Pursuant to the work plan, the fluids recovered from the new electric pumps installed in EW-1, EW-2, EW-4, EW-5, and EW-6 were conveyed to the GWTS through the existing conveyance network footprint. Modifications to the permanent conveyance network to accommodate the transmission of the increased

flows from the higher capacity electric pumps to the GWES were constructed during the fourth quarter of 2021. The design of the expanded permanent conveyance system is consistent with the current system and the lines were routed within the corridors occupied by the existing lines. Permanent modifications to the wellheads at each extraction well were also completed during the fourth quarter of 2021. During March of 2022, the Programmable Logic Controllers for each wellhead were upgraded. Extraction Well (EW-7), which was installed in the former lift station, was brought online with this new technology at this time.

An oil skimmer was installed in the influent chamber of OWS-1 in response to the oil accumulation observed on July 15, 2022, in OWS-1 and OWS-2 of the GWTS. On July 22, 2022, a thorough GWTS cleaning was performed to remove all oil and staining from the treatment system components. The waste generated by this cleaning was stored in the onsite 8,000-gallon AST. No further modifications to the treatment process/equipment of the GWTS have been made, and the total daily flow rate through the GWTS has been maintained below the permitted limit of 150,000 gallons per day.

The groundwater control system consisting of a network of extraction wells and the on-site treatment system was in operation during the reporting period except for temporary shutdowns associated with weather related power outages and maintenance/repair events. A back up generator system is currently being installed for the GWETS and is expected to be operational by Summer 2025.

4.2.4 Storm Water Collection and Detention System

Catch basins and below grade conveyance piping were installed to drain the paved, western portion of the Site during the initial phase of remediation and conveys storm water flows from this area to the Babcock Street CSO. Sediment collection devices were installed in the catch basins to limit sediment release to the CSO. These devices have been periodically inspected and replaced as necessary and remain in functional service. Disposal of sediment from catch basins has not been required, due to minimal to no buildup of sediment observed during sediment collection device inspections.

Storm water occurring on paved areas within the Buckeye portion of the Site is collected by a network of catch basins that discharge to a lined detention basin. The detention basin is lined with a GCL that is covered with a vegetated layer of 12-inches of clean soil. The detention basin manually drains to a pump station, from where it is pumped through an outfall into the Buffalo River.

A separate storm water collection system is present on the Buckeye portion of the Site in the petroleum containment areas. Storm water that accumulates in the containment areas is inspected for sheen and separate phase product prior to being manually drained to the same pump station as the detention basin. The Buckeye storm water discharge logs for the reporting period are presented in Appendix 4. Monthly sampling is conducted in accordance with NYS SPDES Permit #NY0204480, with the results presented to NYSDEC under separate cover to fulfill the permit. For reference, these reports are provided in Appendix 5.

An annual visual inspection of the Buckeye detention basin was conducted on April 25, 2025. The cover system appeared to be in good condition and is functioning as intended. The vegetated soil layer in the Buckeye detention area was observed to be intact with no substantial erosion or displacement noted, and no indications of damage to the GCL were noted. The screens on the detention basin inlet/outlet pipe were free of trash and debris. The annual inspection form is provided in Appendix 1.

4.2.5 Distribution Terminal Containment Systems

The distribution terminal containment systems were constructed to contain spills or releases of petroleum products from storage facilities and conveyance lines located on the Buckeye portion of the Site. These containment facilities are inspected, monitored, and maintained in accordance with the Buckeye Spill Prevention, Control, and Countermeasure (SPCC) Plan.

An annual visual inspection of the containment systems was conducted on April 25, 2025. The containment

structures appeared to be in good condition and functioning as intended. No indications of containment system failures were noted during the inspection. The annual inspection form is provided in Appendix 1.

4.3 IC/EC Certification

The IC/EC Certification Form was completed in its entirety as all ICs/ECs are in place for the Site per the SMP. Appendix 6 includes the NYSDEC "Site Management Periodic Review Report Notice-Institutional and Engineering Controls Certification Form."

5.0 MONITORING AND SAMPLING PLAN COMPLIANCE REPORT

5.1 Requirements

The Monitoring Plan is included in Section 4.0 of the SMP and describes the measures for evaluating the overall performance and effectiveness of the remedy.

The Monitoring Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, treatment system effluent);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance, particularly groundwater standards; and
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

To adequately address these issues, the Monitoring Plan provides information on:

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and,
- Annual inspection and periodic certification.

5.2 Site-Wide Inspection

Site-wide inspections of the Site are required per the SMP, which also requires Site-wide inspections following severe weather events that may affect ECs or monitoring devices. Observations made during these inspections are required to be recorded on forms addressing the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site Conditions;
- Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that Site records are up to date.

The SMP also requires the inspection of all remedial components at the site as part of a comprehensive Site-wide inspection. The following are required to be determined and documented during the inspection:

- Whether ECs continue to perform as designed;
- If the controls continue to be protective of human health and the environment;
- Compliance with requirements of the SMP;
- Achievement of remedial performance criteria; and

- If Site records are complete and up to date.

The inspection of stone covered areas for invasive or woody vegetation growth and removal of such growth is also required as part of the Site-wide inspection.

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, the SMP requires verbal notification of NYSDEC by noon the following day and the performance of an inspection with five business days. It is required that the inspection be performed and documented by a Qualified Environmental Professional to verify the effectiveness of the IC/ECs implemented at the Site. The SMP requires that written confirmation, including a summary of actions taken or to be taken and the potential impact to the environment and the public, be provided to NYSDEC within seven days of the event.

Records of the Site-wide inspections, which were conducted monthly by LaBella during the reporting period, are provided in Appendix 1. These inspections verified that the IC/ECs were in place and functioning effectively and documented achievement of remedial performance criteria and/or actions being taken to achieve said criteria.

5.3 Remedial System Monitoring and Sampling

5.3.1 Remedial System Monitoring

Monitoring and inspection of the groundwater extraction and treatment system is required per the SMP. The primary components of this system that are subject to this requirement and the frequency of monitoring that applies to each component are listed below:

SYSTEM COMPONENT	MONITORING PARAMETER	OPERATING RANGE	MONITORING SCHEDULE
General System Piping	Leaks	N/A	Quarterly
Extraction Well Pumps	Combined Flow Rate	50-80 GPM	Monthly
Oil/Water Separators (OWS -1 and OWS-2)	Coalescing Packs	Visual Product	Monthly
Air Sparge Tanks	Backflow Pressure	<60 pounds per square inch (psi)	Monthly, as needed

System monitoring data is recorded on an Inspection Checklist as prescribed in the SMP, and maintenance or repair is required per the Operations and Maintenance Plan whenever parameters are not within their specified operating range, equipment is observed to be malfunctioning, or the system is not performing within specifications.

GWETS performance and flow sheets completed during the reporting period are included in Appendix 3 and reflect that the treatment system components generally operated within the specified ranges throughout the reporting period. Limited periods of in-operation were experienced and documented during regular maintenance, equipment repair and/or calibration, and electrical outages. As noted in Section 4.2.3, the following conditions were encountered relative to the extraction wells and associated conveyance system:

- EW-3 was observed to be dry and pumping at this location has been discontinued. EW-7 was brought on-line to take the place of EW-3;
- Although the targeted combined flow rate of 30 gallons per minute from the extraction wells was achieved via pneumatic pumps, the inability to monitor, and adjust the flow rates at the individual

wells to address periods of higher groundwater recharge led to the replacement of the six operating pneumatic pumps with electric submersible pumps equipped with variable pump controls;
- Piping upgrade modifications to the conveyance system were made to accommodate the increased flows from the extraction wells to the GWTS;
- An oil skimmer was installed in the influent chamber of OWS-1 to assist in the recovery of oil observed on July 15, 2022;
- Due to a significant winter weather event and the damage created, the GWETS was down from December 23, 2022, through February 9, 2023; and
- On April 12, 2023, the extraction conveyance portion of the system was fully repaired and operational.
- On January 12, 2024, the GWETS was down for 12 days due to severe, successive winter storms.
- The system was down on September 28 through October 8, 2024 for a system cleaning
- On October 18, 2024, the VFD from EW-7 was moved to EW-4 due to EW-4 having connection issues
- On October 31, 2024, EW-6 experienced a VFD issue and was turned off, EW-6 was turned back on March 10, 2025. VFD was replaced with a motor starter.
- On November 27, 2024, EW-5 experienced a VFD issue and was turned off, EW-5 was turned back on March 11, 2025. VFD was replaced with a motor starter.
- On December 5, 2024, EW-7 was turned off for the winter, EW-7 has yet to be turned back on due to all functioning equipment being utilized at other locations.
- On December 11, 2024, SP-3 was turned off to be cleaned due to fouled lines and remained off until January 29, 2025
- On December 17, 2024, EW-5 and EW-6 were shut down due to a leak in the line and were permanently turned back March 10 and 11, 2025
- The GWTES was down on January 9, 2025 and February 12, 2025, for generator services
- On January 28, 2025 SP-1, SP-2 and SP-3 were cleaned and turned back on January 29, 2025.
- On February 12, 2025, SP-1 was cleaned due to fouled lines and restarted
- On April 7 and 8, 2025 the GWETS was down for a system cleaning of OWS-1 and OWS-2
- On April 17, 18, and 21, 2025 SP-1 and SP-2 were cleaned due to fouled lines and restarted

The GWETS is currently functioning as intended, and no repairs are necessary at this time. The new pumping equipment for EW-7 is currently in the process of being ordered, and once it arrives, installation will be scheduled accordingly. For further non-routine maintenance items, please refer to the Non-Routine Maintenance Log in Appendix 13.

5.3.2 Remedial System Sampling and Results

The NYSDEC Air Facility Registration was expired by NYSDEC in response to the Site being admitted to the BCP, an active registration was not deemed necessary by the NYSDEC Division of Air, but adherence to emission limits and all registration requirements are still necessary. Monthly sampling and monitoring of the groundwater treatment system influent and effluent continues for benzene, toluene, ethylbenzene, and xylenes (BTEX) via EPA Method 624.1_PREC. Per the SMP, the influent sample is collected where the groundwater enters the sparge tanks, while the effluent sample is collected at the discharge from the sparge tanks. Immediately after collection, all samples were placed in a cooler and chilled with ice. To ensure sample integrity, a Chain-of-Custody (COC) sample record was established and kept with the samples to document each person that handled the samples. The samples were transported to Eurofins TestAmerica Laboratories (TestAmerica), a NYSDOH Environmental Laboratory Accreditation Program (ELAP) certified laboratory for analysis. The COC records established for the collected samples were maintained throughout the laboratory handling.

The analytical laboratory reports and COC documents from the monthly sampling are provided in Appendix 7, which also contains monthly data summary tables that present the following parameters:

- BTEX concentrations in the groundwater influent and treated effluent;
- Average flow rate through the system on the date of sample collection; and
- Calculated BTEX air emission rates

As reflected in the summary tables, air emissions of BTEX were below the applicable discharge parameters in all of the monthly samples analyzed during the reporting period.

Quarterly sampling of the treated groundwater discharged from the GWTS is also required pursuant to the BSA sewer discharge permit (Buffalo Pollutant Discharge Elimination Permit (BPDES) Permit # 20-01-BU289), issued January 1, 2023. As specified in the SMP, three-day composite samples are collected and analyzed for pH and TEH, five-day Biological Oxygen Demand (BOD_5), Total Extractable Hydrocarbons, and Total Suspended Solids. Additionally, one grab sample is collected and analyzed for Toluene and Volatile Organic Compounds via EPA Method 624.1, and once daily pH and SGT-HEM (TEH) are taken for three consecutive days. Method 624.1 was utilized as a more appropriate analytical method given the range of potential petroleum constituents recovered at the Site. This method detects a broader range of volatile organic compounds (VOCs) and utilizes more advanced instrumentation, offering greater accuracy. Overall, it is better suited for meeting regulatory requirements and provides more reliable data. An auto-sampler is utilized to collect the required composite quarterly samples from the GWTS discharge line that conveys the treated effluent to the BSA sewer. Immediately after collection, all samples are placed in a cooler and chilled with ice. To ensure sample integrity, a COC sample record is established and kept with the samples to document each person that handled the samples. The samples were transported to TestAmerica, a NYSDOH ELAP certified laboratory for analysis. The COC records established for the collected samples were maintained throughout the laboratory handling.

Quarterly discharge monitoring reports summarizing the quarterly analytical results and comparing them with the applicable permitted discharge limits were generated by LaBella and submitted to the BSA. These data summary tables are provided with the BSA Discharge Monitoring Reports in Appendix 3 and show that the levels of all discharge monitoring parameters were below the permitted discharge limits in all of the quarterly samples analyzed during the reporting period.

In addition to the water quality monitoring requirements for the GWTS discharge, monitoring of the volume of groundwater flow through the system is also required per the BSA discharge permit and was performed using an ISCO Open Channel Bubbler flowmeter. Said flowmeter is calibrated annually and the calibration records for the reporting period are provided in the January 2024 BSA Monthly Discharge Monitoring Report in Appendix 3. Total monthly flow rates through the system were recorded in the GWTS performance records and reported to the BSA in monthly discharge monitoring reports. The GWTS performance records are included with each Discharge Monitoring Report provided in Appendix 3. A total of 24,165,977 gallons were treated through the GWTS during the reporting period.

At the request of NYSDEC, PFAS sampling was conducted in accordance with the NYSDEC-approved Work Plan of the effluent waters of the GWETS. The analysis of the sample collected from the recovered groundwater in OU-3 during the third quarter of 2024 is provided in Appendix 8. A comparison of the PFAS analytical results from 2021 through 2024 are also presented in tabular format with the analytical data in Appendix 8.

5.4 Monitoring and Verification of Groundwater Control

5.4.1 Groundwater Elevation Monitoring

Monthly monitoring of groundwater elevations within select piezometers and monitoring wells is required to assess the performance of the groundwater extraction system and verify that the hydraulic control of groundwater within the containment system is maintained by the extraction system. Measurement of the groundwater elevations in the following piezometers and wells is prescribed in the SMP:

PIEZOMETERS, WELLS & GAUGING STATIONS	MONITORING PARAMETER	COMPLIANCE CRITERIA	MONITORING SCHEDULE
Six Bulkhead Piezometers (ESCP-MW1 through ESCP-MW-6), River	Groundwater Elevation	On average an inward gradient relative to the average elevation of the Buffalo River	Monthly
MW-3, MW-21, MW-45, MW-44, ESCP-PZ-1, ESCP-PZ-2, ESCP-PZ-3 (MW-OU4-1), ESCP-PZ-4, ESCP-PZ-5, River	Groundwater Elevation	Verification of lower groundwater elevation within the containment area / Monitor for groundwater mounding and presence of offsite product migration	Monthly
MW-26, CSO-PZ-3, ESCP-MW-1 through ESCP-MW-6, EW-1 through EW-7, MW-10, MW-45, MW-44, MW-33, MW-21, ESI-4, MW-42, MW-43, MW-14, ESI-3, MW-18, MW-12, ESI-1, MW-14, MW-20, ESI-2, MW-15, MW-13, MW-16, MW-36R, River	Non-Aqueous Phase Liquid (NAPL)	Determination of site-wide, inside containment presence and potential induced migration of product to the Extraction Wells	Annual (for a period of three years- 2024, 2025, and 2026)

In accordance with the SMP, periodic groundwater and surface water elevation measurements were collected by LaBella using an electronic water level meter, oil/water interface probe, or transducer mounted within the well. The elevation data were entered into a spreadsheet and a hydrograph was generated to monitor groundwater elevation trends and to evaluate compliance with the criteria for hydraulic control. The hydrograph for the reporting period is provided in Appendix 9, including the gauging data used to produce said hydrograph. Additionally, a groundwater contour map illustrating groundwater elevations on April 22, 2025, within the containment system is included as Figure 4. Figure 5 has also been included to depict the groundwater contours for the entirety of OU-3.

With the NYSDEC-approved NAPL Gauging plan on April 22, 2024, site-wide NAPL gauging was conducted on April 22, 2025. The NAPL observed in the wells ranged from a trace (ESCP-MW-13, MW-12, MW-14, MW-15, and MW-18) to 3.18 feet of NAPL in EW-2, 0.77 feet of NAPL in EW-3, 2.63 feet of NAPL in ESI-2, and 2.80 feet of NAPL in CSO-PZ-3. The documentation of this NAPL gauging event is provided in Appendix 10 and shown on Figure 6. There was no disposal of NAPL during the certifying period.

The newly installed monitoring wells (ESCP-MW-9, ESCP-MW-10, ESCP-MW-11, ESCP-MW-12, and ESCP-MW-13) were initially equipped with absorbent socks to collect any residual product that may have been present upon installation. These socks served as a precautionary measure to manage potential contamination during the early stages of monitoring. Since installation, the wells have been included in the routine monthly gauging program. Over time, the absorbent socks have been removed from all wells except for ESCP-MW-13, which continues to yield trace amounts of product. As a result, the sock remains in place in ESCP-MW-13 and is replaced as needed to facilitate ongoing product recovery. Gauging data for the newly installed wells are included in the Western Investigation Report.

In addition to ESCP-MW-13, absorbent socks are currently in place in wells ESI-1, ESI-2, MW-12, MW-14, and MW-18 to address the presence of product detected during monthly monitoring activities. These socks are part of the ongoing product recovery efforts and are replaced as necessary to ensure effective removal. Any monitoring well that shows evidence of product during future gauging events will also be fitted with an absorbent sock as part of the standard response protocol. At this time, only the wells listed above, along with ESCP-MW-13, have active socks in place

5.4.2 Comparison with Remedial Objectives

The extraction well pump conversion completed in the first quarter of 2021 has achieved an average total flow rate of approximately 53.22 gallons per minute combined for the reporting period pumping days (uptime). The upgrades and repairs to the extraction system provide the ability to dewater the containment system effectively with continuous operation of the modified system and enabled the determination of flow contribution from individual wells and optimization of groundwater recovery.

As illustrated by the groundwater hydrograph in Appendix 9 and the contour map from April 22, 2025 (Figure 4), an inward gradient has been achieved within the containment area via the modified extraction system. This is primarily depicted by the interior wells MW-21, MW-44, and MW-45. It is important to note that on March 25, 2025, the compensated data from the transducers unexpectedly yielded negative values, resulting in distorted outputs. An investigation into the root cause of this anomaly is currently ongoing.

5.4.3 Monitoring Deficiencies

Currently, there are no known or observed monitoring deficiencies.

5.4.4 Groundwater Monitoring Conclusions and Recommendations

Groundwater elevation monitoring data indicate that the upgraded extraction system is effectively achieving hydraulic control within the containment area. The continued operation of the higher capacity extraction system over time is expected to enable the enhanced drawdown of groundwater levels within the containment area, which will provide capacity within the containment area to manage groundwater recharge events while maintaining hydraulic control. Equipped with variable flow controls, the modified extraction system will enable the optimization of extraction system components and the ability to adjust flow rates as necessary to respond to changing recharge conditions.

To assist in optimizing the extraction system, and to avoid data gaps related to potential Site access or safety issues on the Buckeye property or along the river's edge, continued use of down-well transducers are utilized in the six bulkhead monitoring wells (ESCP-MW-1 through ESCP-MW-6) and select inland monitoring wells: MW-21, MW-44, and MW-45; as well as the Buffalo River.

To account for substantial fluctuations in the surface water elevation of the Buffalo River that occur due to highly variable weather conditions (i.e., changes in barometric pressure, wind, flooding, precipitation, etc.), In accordance with the 2023–2024 PRR acceptance letter, it is recommended that an average surface water elevation for the Buffalo River be calculated quarterly. This average should be utilized during the reporting period for compliance monitoring of the on-site piezometers and monitoring wells. This will eliminate periods of apparent non-compliance that are solely due to short-term weather conditions. The quarterly average river elevations were 573.01' in June, 572.51' in September, 571.86' in December, and 571.56' in March. The overall average elevation of the Buffalo River at the site during the reporting period was 572.60', as indicated by the Buffalo River monitoring data presented in Appendix 9. This averaged elevation was computed from daily data logging transducer readings of the river. This elevation should be used to gauge the performance criteria of the extraction system within the OU-3 containment area.

Pursuant to NYSDEC's April 7, 2022, request, annual Per-and Polyfluoroalkyl (PFAS) monitoring and sampling of the GWTS effluent will be conducted. It should be noted that this is a new requirement that was not included in the original Remedial Action Work Plan or the SMP for OU-3.

As of April 2024, the NYSDEC-endorsed annual NAPL gauging program began. This is the second of the three-year monitoring program that will be implemented.

No other changes to the groundwater monitoring program are recommended at this time.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

6.1 Maintenance, Inspection, and Reporting Requirements

Routine maintenance, inspection, and reporting activities required to facilitate the continuous operation of the remedial system are prescribed in the revised Groundwater Treatment System Operations, Maintenance, and Monitoring (OM&M) Manual contained in the revised SMP. The OM&M manual specifies weekly, monthly, quarterly, and as-needed activities as summarized below:

Weekly Activities:

- Inspect flume, clean as necessary;
- Check back pressure on air sparge tank diffusers and clean diffusers when back pressure nears 60 PSI;
- Check operation of heat tracing/immersion heaters (winter months only); and

Monthly Activities:

- Inspect and clean as necessary the coalescing packs at OWS-1 and OWS-2;
- Collect system influent and effluent samples for analysis per NYSDEC requirements; and
- Inspect PRT-2 and PRT-6.

Quarterly Activities:

- Inspect and clean extraction well conveyance lines (*if necessary*);
- Inspect and clean extraction well pumps;
- Inspect and conduct maintenance on air sparge tank blowers (*if necessary*);
- Inspect and conduct maintenance on OWS-1 effluent pumps (*if necessary*);
- Clean OWS-1, OWS-2, and sparge tanks (*if necessary*); and
- Inspect and clean conveyance lines between OWS-1 and OWS-2 (*if necessary*).

As-Needed Activities:

- Clean pumps and lines to maintain flow rates;
- Respond to alarm call-outs;
- Maintenance activities per Operations and Maintenance Log; and
- Oversight of loading and off-site transportation of waste materials.

Per the OM&M Manual, inspections and maintenance activities are required to be documented in an Operation and Maintenance Log, and documentation of work conducted, hours on Site, visitors, samples collected, unusual conditions and other observations are required to be documented. Said documentation must be readily available for audits.

6.2 System Maintenance, Inspection, and Reporting

Routine maintenance, inspection, and reporting activities were performed and documented in accordance with the OM&M Manual. The GWETS was inspected on at least a weekly basis for the duration of the reporting period. The monthly performance records for the operation of the GWTS are included in Appendix 3. Aside from the down time caused by a leak in the hoses and VFD issues on the pumps EW-4, EW-5, and EW-6, the GWETS performed without incident or upset during the reporting period.

The GWTS, including OWS-1, OWS-2, and air sparge tanks, were cleaned in September of 2024 and April of 2025 for regular maintenance and October of 2024 due to the airlines being obstructed and creating high pressure. The waste manifests from these cleaning events are presented in Appendix 11.

The OM&M Manual has been updated to reflect modifications to the pumping and conveyance systems, controls, etc. per procedures specified in Section 2.0 of the Manual.

Non-Routine Maintenance logs conducted from May 2024 through April 2025 for OU-3 are included in Appendix 13.

7.0 SUPPLEMENTAL REMEDIAL ACTIONS

The bulkhead extension was completed in December 2020 and has successfully eliminated discharges to the river from impacted soils below the original BSA bulkhead. Subsequently, oil discharges continued to emanate directly from the CSO, which appeared to be the only source of discharge to the river. The CSO exists on the Site pursuant to an easement granted by ESCP to the Buffalo Sewer Authority. Efforts by ESCP to clean and patch the structure to prevent further exfiltration from the BSA CSO onto ESCP property and infiltration of petroleum product were unsuccessful. ESCP undertook an assessment of potential options available to address the condition of the CSO structure to eliminate communication between the structure and the subsurface of the site. The results of this assessment were submitted to the NYSDEC and BSA in a letter dated March 3, 2021. This assessment identified slip lining of the CSO structure as the most feasible option for the repair of the CSO structure to eliminate exfiltration and infiltration and prevent the structure from serving as a pathway for the migration of petroleum products to the river.

In the interest of developing a comprehensive supplemental remedy for the petroleum contamination observed to be infiltrating into the CSO structure, ESCP elected to undertake an investigation of subsurface petroleum contamination suspected to be present in the vicinity of the structure.

ESCP initiated a subsurface investigation to delineate the extent of the subsurface petroleum contamination in this area of the Site and collect supplemental hydro-geologic data needed to update and refine the existing groundwater flow model to reflect current (post-remediation) conditions. This investigation was initiated in April 2021 in accordance with a NYSDEC-approved work plan dated March 25, 2021. The hydrogeologic investigation concluded in May of 2021. The Hydro-geologic Investigation Report was submitted to NYSDEC in July 2021, and approved on April 28, 2023.

Following the field work conducted as part of the hydro-geologic investigation, as an interim measure, product/oil was recovered from the installed wells on a periodic basis. Approximately 10.28 gallons of product/oil was recovered from the three wells/piezometers outside of containment that were involved with the investigation from May 2021 during the current reporting period. Product/oil recovery documentation during the reporting period is provided in Appendix 12.

In December of 2021 the design for the slip lining project was submitted to NYSDEC. In January of 2022, construction began to slip line the existing BSA CSO with 63” HDPE piping. This project concluded in April of 2022.

It should be noted that the extent of the residual petroleum contamination in the vicinity of the BSA CSO

was not completely characterized in the Remedial Investigation and the development of the Alternative Analysis Report, Decision Document, and Remedial Action Work Plan. From the hydro-geologic investigation of the CSO, it was determined that the extent of remaining petroleum contamination was more extensive and widespread in this area.

Following the January 11, 2024, meeting with the NYSDEC, the Department requested a historical investigation of the Western Area of OU-3. This comprehensive historical report of the Western Area was submitted to NYSDEC on March 1, 2024. On March 18, 2024, the Department requested a Supplemental Remedial Investigation Work Plan for the Western Area of OU-3.

Drilling investigation began September 23-26, 2024, where 12 soil borings were advanced (WA-SB-01 - WA-SB-12) in three of the 12 soil borings advanced, distinct occurrences of free-phase petroleum products were noted in a few of the soil borings installed (WA-SB-01, WA-SB-08, WA-SB-09 and WA-SB-11) as part of this investigation. This includes a “shallow” product that is amber in color and was observed near the water table during borehole advancement. LNAPL/DNAPL was not encountered in borings completed along the western property border. These findings are consistent with the previous investigations that occurred in the Western Area of OU-3 and have identified NAPL at and beneath the water table.

From January 13 through February 7, 2025, the Western Area supplemental investigation progressed with the conversion of five soil borings into monitoring wells: ESCP-MW-9 (formerly WA-SB-01), ESCP-MW-10 (WA-SB-11), ESCP-MW-11 (WA-SB-09), ESCP-MW-12 (CSO-SB-16), and ESCP-MW-13 (CSO-SB-08). These wells were completed with road boxes and subsequently developed between February 3–7, 2025. In addition to the new wells, existing wells, including ESCP MW-4, ESCP PZ-1, ESCP PZ-2, ESCP MW-7, ESCP-MW-8, MW-3, and SB-37—were also developed during this period to ensure consistency across the monitoring network.

LaBella has initiated product recovery efforts via wells ESCP-MW-9, ESCP-MW-10, ESCP-MW-11, ESCP-MW-12, and ESCP-MW-13 following installation and development. This began in February 2025.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon periodic inspections, monitoring, and maintenance activities conducted at specified intervals throughout the reporting period, including an annual inspection conducted in connection with the preparation of this Periodic Review Report, the Site is in general compliance with the main components of the SMP including the Institutional and Engineering Control; Monitoring and Sampling; and Operation and Maintenance Plans.

The restrictions, provisions, and components of the Institutional and Engineering Control Plan are functioning effectively to contain and control the remaining contamination. The restrictions conveyed in the institutional controls required pursuant to the Environmental Easements are in force and achieving the desired result. Similarly, the engineering controls, namely the Site cover, containment, and groundwater extraction and treatment systems, are performing effectively.

The monitoring of groundwater and NAPL elevations within the containment system and the analytical chemistry of the groundwater treatment system effluent conducted pursuant to the Monitoring and Sampling Plan confirmed the effectiveness of the groundwater control and treatment systems in terms of achieving hydraulic control and complying with the permitted sewer discharge limits.

Routine maintenance, inspection, and reporting activities performed in accordance with the Operation and Maintenance Plan were effective in keeping remedial system components functioning properly and in compliance with required operating parameters.

Supplemental control and remedial measures implemented at the Site to respond to the discovery of petroleum product migration to the Buffalo River in the vicinity of the BSA CSO structure have proven effective. These supplemental measures have permanently isolated contaminated sediment occurring near the CSO outfall from the river via the extension of the sealed sheet pile bulkhead and are effectively preventing the exfiltration of product that infiltrated the CSO structure to the river by the installation of the slip line pipe. This construction was finalized from January – April 2022.

Further investigation in the Western Area of OU-3 has been requested by NYSDEC and is ongoing. This investigation will determine the nature and extent of a potentially deep NAPL layer as it relates to potential migration of contaminants along the former Buffalo River channel. A report summarizing these findings was submitted to NYSDEC on May 9, 2025.

No changes to the annual frequency of the submittal of PRRs are recommended at this time. However, the following recommendations have been identified:

- The SMP and OM&M Manual will need to be updated now that the monitoring program for OU-3 has been resolved.

9.0 LIMITATIONS

The conclusions presented in this report are based on information gathered in accordance with generally acceptable professional consulting principles and practices. All conclusions reflect observable conditions existing at the time of the Site inspection. Information provided by outside sources (individuals, agencies, laboratories, etc.) as cited herein, was used in the assessment of the Site. The accuracy of the conclusions drawn from this assessment is, therefore, dependent upon the accuracy of information provided by these sources. Furthermore, LaBella is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to the performance of services.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based upon the facts currently available with the limits of the existing data, scope of services, budget and schedule. To the extent that more definitive conclusions are desired by the Client than are warranted by the current available facts, it is specifically Labella's' intent that the conclusions and recommendations stated herein will be intended as guidance and not necessarily a firm course of action expect where explicitly stated as such. LaBella makes no warranties, expressed, or implied including without limitation, warranties as to merchantability or fitness of a particular purpose. Furthermore, the information provided in this report is not to be construed as legal advice.

This assessment and report have been completed and prepared on behalf of and for the exclusive use of Elk Street Commerce Park, LLC. Any reliance on this report by a third party is at such party's sole risk.

10.0 REFERENCES

DER-10 Technical Guidance for Site Investigation and Remediation, NYSDEC, May 3, 2010

Spill Prevention, Control and Countermeasure (SPCC) Plan, Buffalo (BETBO), Buckeye Partners, L.P., Technical Response Planning, Last Revised September 18, 2017

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Laser-Induced Fluorescence Survey Data Report, Former ExxonMobil Buffalo Terminal Operable Unit 3, Amec E&E, PC, September 27, 2019

Site Management Plan - Operable Unit 3, ExxonMobil Oil Corporation Former Buffalo Terminal, Amec E&E, PC, December 2019

Groundwater Treatment System Operations, Maintenance and Monitoring Manual, Former ExxonMobil Buffalo Terminal Site Operable Unit 3, Amec E&E, PC, December 2019

Final Engineering Report, Former ExxonMobil Buffalo Terminal Operable Unit 3, Amec E&E, PC, December 2019

Environmental Easements for NYSDEC Site No. C915201D, Erie County Clerk, December 6, 2019

Temporary Groundwater Pumping System, Elk Street Commerce Park Operable Unit 3, LaBella Associates, DPC, August 19, 2020

Discharge Removal and Inspection Plan, Former ExxonMobil Refinery Buffalo, NY, Elk Street Commerce Park Administrative Order, LaBella Associates, DPC, August 21, 2020

Expansion of Temporary Groundwater Pumping System, ExxonMobil Former Buffalo Terminal Operable Unit 3, LaBella Associates, DPC, September 2, 2020

Short Term Corrective Measures Work Plan, Former Buffalo Terminal Operable Unit 3, Petroleum Spill at Babcock Drain CSO Outfall, LaBella Associates, DPC, September 18, 2020

Interim Corrective Measures Work Plan, Former Buffalo Terminal Operable Unit 3, Petroleum Spill at Babcock Drain CSO Outfall, LaBella Associates, DPC, September 26, 2020 (Revised October 19, 2020)

Remedial Action Work Plan Addendum (Long Term Corrective Measures Work Plan), Extension of Containment System at Babcock Street Combined Sewer Overflow Outfall, ExxonMobil Former Buffalo Terminal Operable Unit 3, LaBella Associates, DPC, October 12, 2020 (Revised October 26, 2020)

Groundwater Extraction System Modification, ExxonMobil Former Buffalo Terminal Operable Unit 3, LaBella Associates, DPC, November 20, 2020

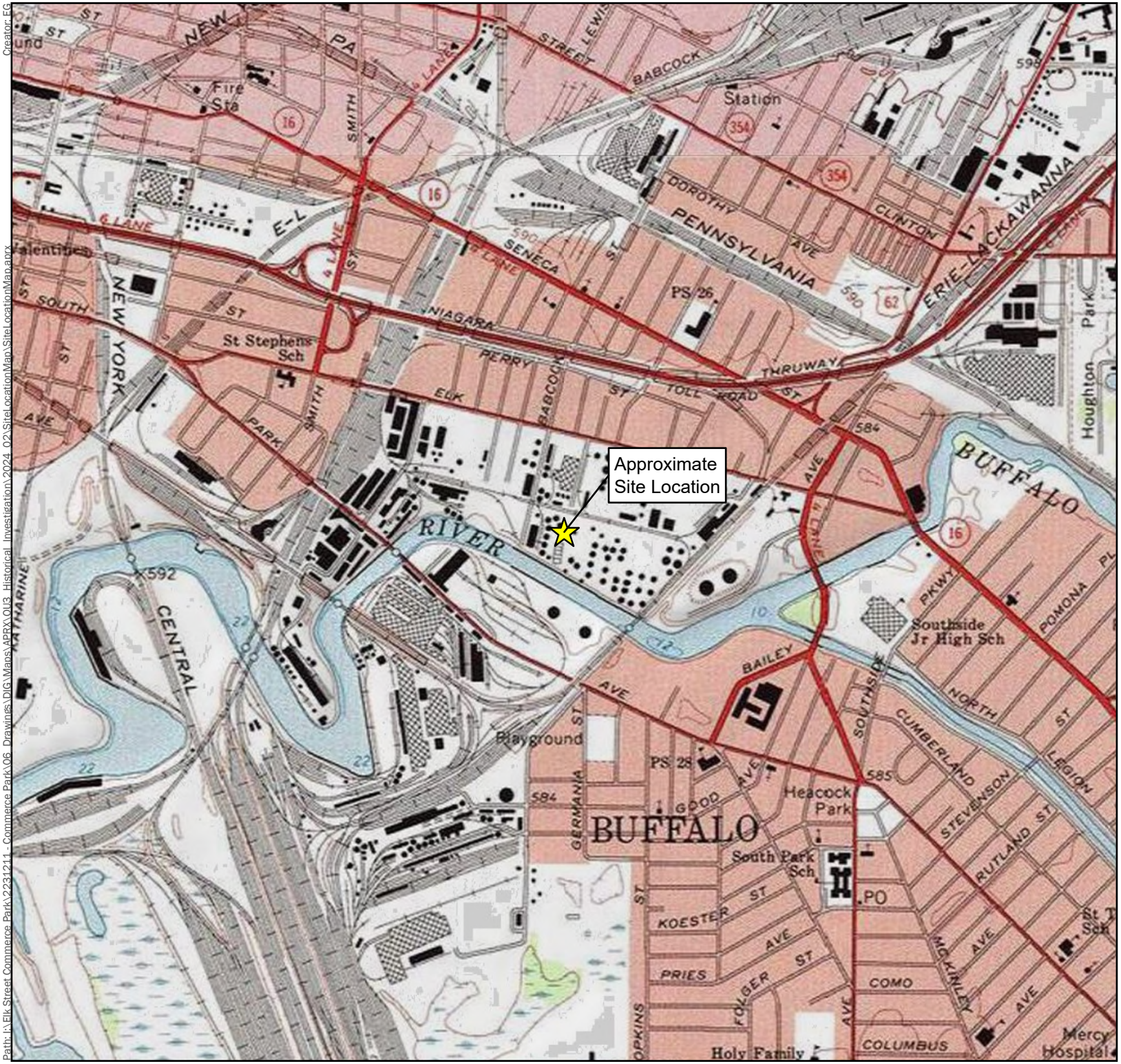
Draft Construction Completion Report (Final Engineering Report Addendum), Containment System & Babcock Street Combined Sewer Overflow Repair/Cleaning, ExxonMobil Former Buffalo Terminal Operable Unit 3, LaBella Associates, DPC, December 21, 2020

Assessment of Babcock Street Combined Sewer Overflow Repair Options, ExxonMobil Former Buffalo Terminal Site - Operable Unit 3, LaBella Associates, DPC, March 3, 2021

Source Area Investigation in Vicinity of Babcock Street Combined Sewer Overflow, Former ExxonMobil Buffalo Terminal Operable Unit 3, LaBella Associates, DPC, March 25, 2021

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FIGURES



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PROJECT:

Elk Street

503, 625 Elk Street
and 1 Babcock Street
Buffalo, NY

DRAWING NAME:

Site Location Map

PROJECT # / DRAWING # / DATE:

2251277

Figure 1

5/6/2025

Legend

Approximate Site Location

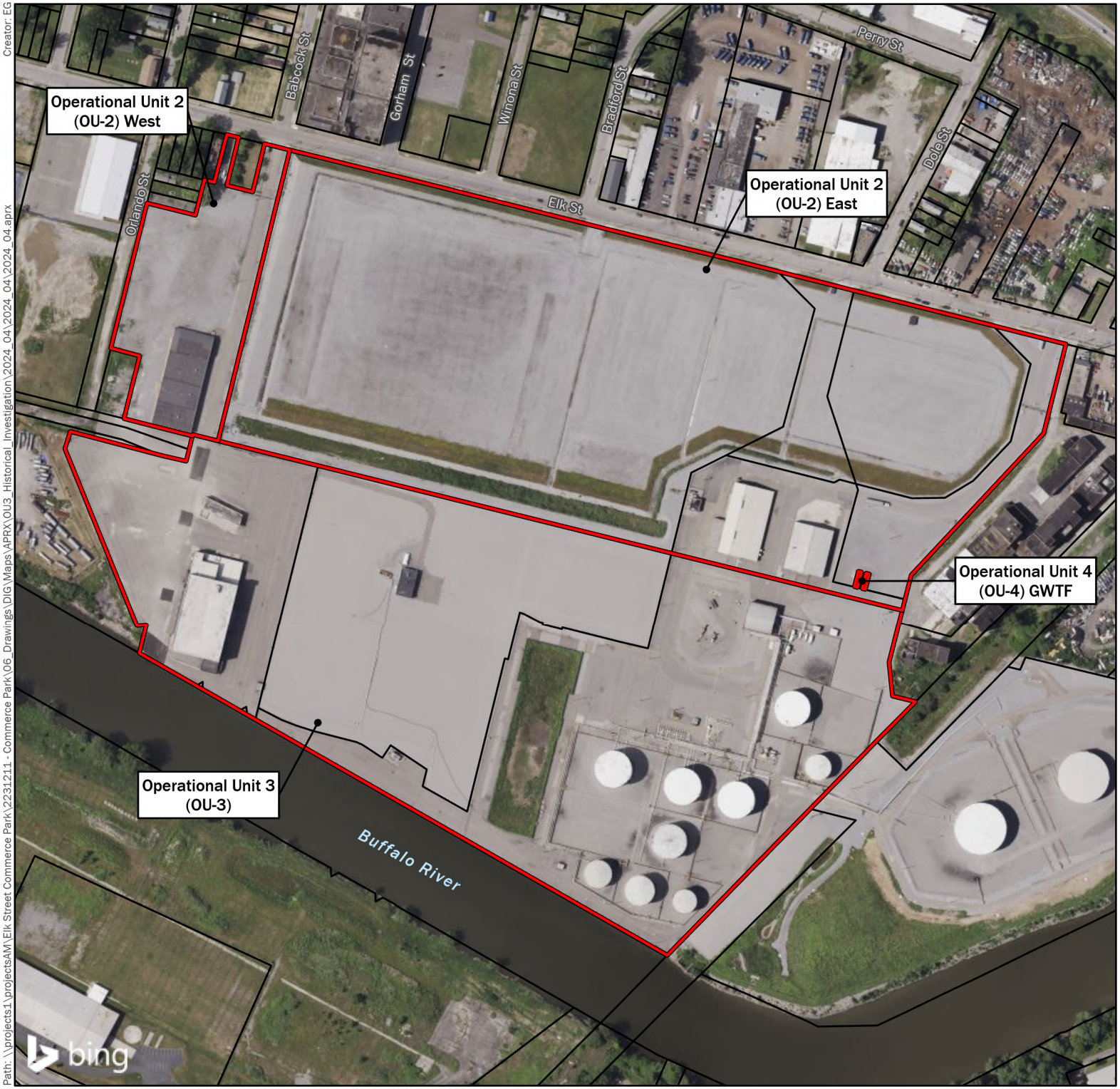
N

0 1,000 2,000 Feet

Data Source: LaBella, 2024; Regrid, 2024; USGS Topo Maps, 2013.

Path: I:\Elk Street Commerce Park\2231211_Commerce Park\06_Drawings\DIG\Maps\APRX\OU3_Historical_Investigation\2024_02\SiteLocationMap\SiteLocationMap.aprx

Creator: EG



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2025 Periodic Review Report

Former Buffalo Terminal
OU-3

503, 625 Elk Street
and 1 Babcock, Buffalo, NY
NYSDEC Site No. C915201D

N

0 200 400 Feet

Legend

- Operational Unit (OU) Boundary
- Tax Parcel Boundary

Sources: Bing Maps, 2024; Erie County 2020; LaBella 2024.

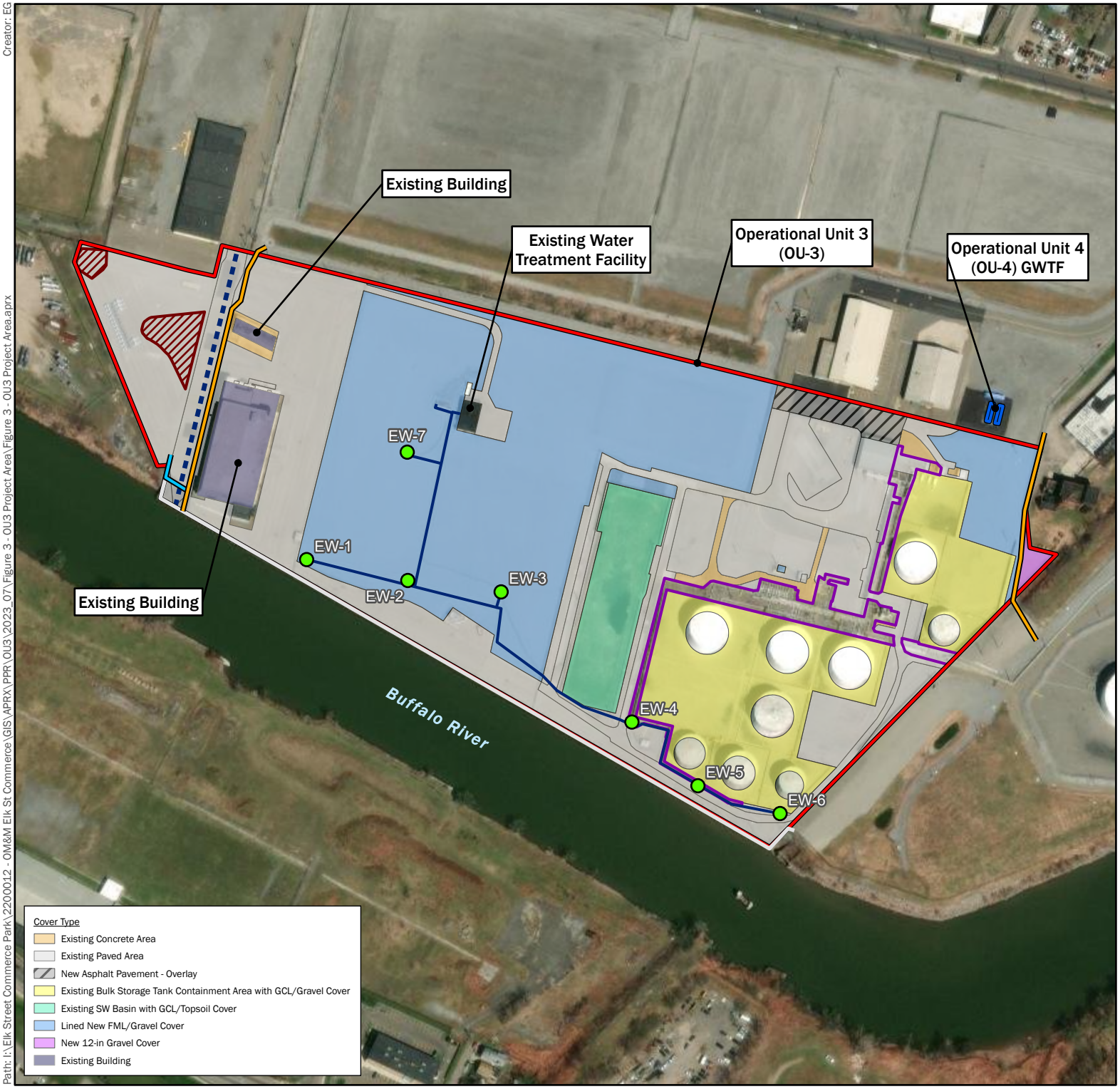
Project Area

Figure 2

LaBella Project No: 2251277
Date: May 2025

Creator: EG

Path: \\projects1\projectsAM\Elk Street Commerce Park\2231211 - Commerce Park\06_Drawings\DIG\Maps\APRX\OU3_Historical_Investigation\2024_04\2024_04\2024_04.aprx



Creator: EG

Path: I:_Elk Street Commerce Park_2200012 - OM&M Elk St Commerce\GIS\APRX\PPR\OU3\2023_07\Figure 3 - OU3 Project Area\Figure 3 - OU3 Project Area.aprx

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2024 Periodic Review Report

ExxonMobil Oil
Former Buffalo Terminal
OU-3
503, 625 Elk Street
and 1 Babcock, Buffalo, NY
NYSDEC Site No. C915201D

N

0 200 400 Feet

Legend

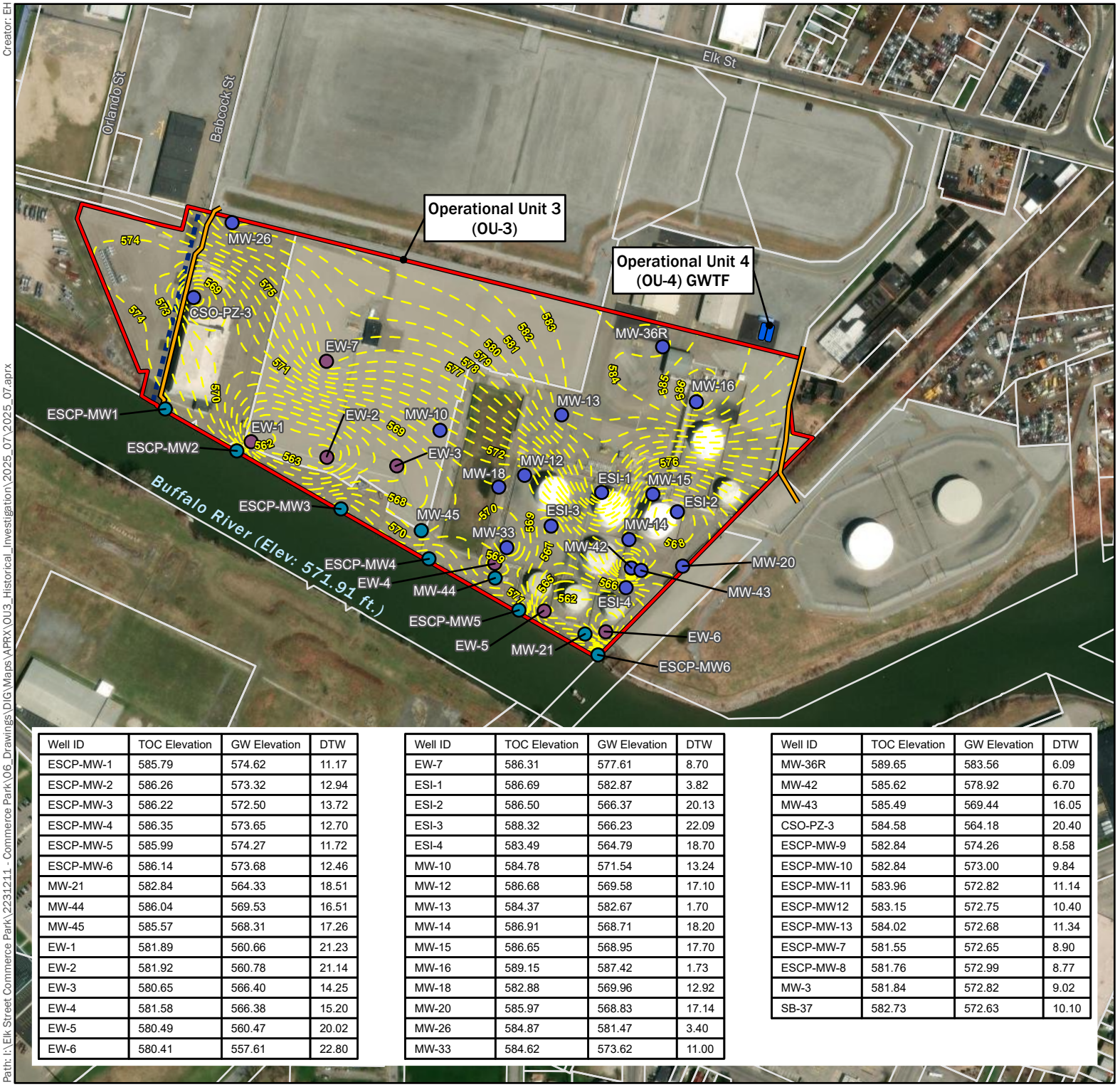
- Extraction Well
- Extraction System Conveyance Piping
- Babcock St. CSO Structure
- Slurry Wall
- Hanging Wall
- Sealed Sheetpile Bulkhead
- Existing Pipe Racks (Excluded from OU-3)
- ISS Treated Area
- Operational Unit 3 (OU-3) Boundary
- Operational Unit 4 (OU-4) GWTF Boundary
- Tax Parcel Boundary

Sources: Amec FER 2019; ESRI Maps; Erie County 2020; LaBella 2024.

Operational Unit 3 (OU-3)

Figure 3

LaBella Project No: 2231211
Date: July, 2025



Well ID	TOC Elevation	GW Elevation	DTW
ESCP-MW-1	585.79	574.62	11.17
ESCP-MW-2	586.26	573.32	12.94
ESCP-MW-3	586.22	572.50	13.72
ESCP-MW-4	586.35	573.65	12.70
ESCP-MW-5	585.99	574.27	11.72
ESCP-MW-6	586.14	573.68	12.46
MW-21	582.84	564.33	18.51
MW-44	586.04	569.53	16.51
MW-45	585.57	568.31	17.26
EW-1	581.89	560.66	21.23
EW-2	581.92	560.78	21.14
EW-3	580.65	566.40	14.25
EW-4	581.58	566.38	15.20
EW-5	580.49	560.47	20.02
EW-6	580.41	557.61	22.80

Well ID	TOC Elevation	GW Elevation	DTW
EW-7	586.31	577.61	8.70
ESI-1	586.69	582.87	3.82
ESI-2	586.50	566.37	20.13
ESI-3	588.32	566.23	22.09
ESI-4	583.49	564.79	18.70
MW-10	584.78	571.54	13.24
MW-12	586.68	569.58	17.10
MW-13	584.37	582.67	1.70
MW-14	586.91	568.71	18.20
MW-15	586.65	568.95	17.70
MW-16	589.15	587.42	1.73
MW-18	582.88	569.96	12.92
MW-20	585.97	568.83	17.14
MW-26	584.87	581.47	3.40
MW-33	584.62	573.62	11.00

Well ID	TOC Elevation	GW Elevation	DTW
MW-36R	589.65	583.56	6.09
MW-42	585.62	578.92	6.70
MW-43	585.49	569.44	16.05
CSO-PZ-3	584.58	564.18	20.40
ESCP-MW-9	582.84	574.26	8.58
ESCP-MW-10	582.84	573.00	9.84
ESCP-MW-11	583.96	572.82	11.14
ESCP-MW12	583.15	572.75	10.40
ESCP-MW-13	584.02	572.68	11.34
ESCP-MW-7	581.55	572.65	8.90
ESCP-MW-8	581.76	572.99	8.77
MW-3	581.84	572.82	9.02
SB-37	582.73	572.63	10.10

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2025 Site Management Plan

ExxonMobil Oil
Former Buffalo Terminal
OU-3
503, 625 Elk Street
and 1 Babcock, Buffalo, NY
NYSDEC Site No. C915201D

N

0 200 400 Feet

Legend

- Slurry Wall
- Babcock St. CSO Structure
- Operational Unit 3 (OU-3) Boundary
- Operational Unit 4 (OU-4) GWTF Boundary
- Tax Parcel Boundary

Approximate Well Locations

- Monthly Download of Data from Transducers/Yearly Manual Gauge of Wells
- Yearly/Manual
- Yearly/Manual (EW)
- Groundwater Contour (ft)

Note:
*Average annual goal elevation for the Buffalo River is 572.62 ft.

Sources: Bing Maps, 2025; Erie County, 2021; LaBella, 2025.

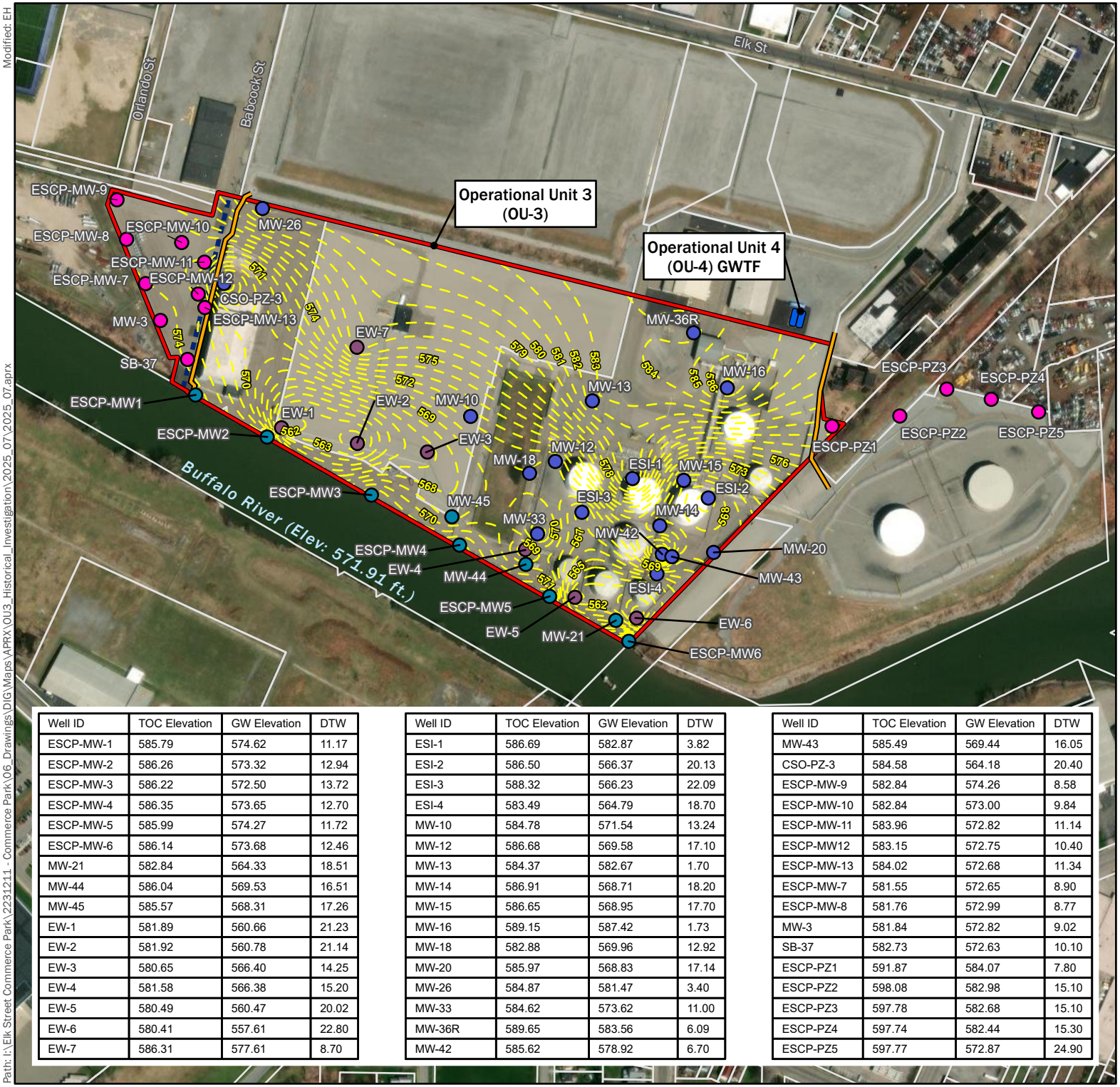
OU-3 Groundwater Contour Map Inside Containment

Figure 4

Gauging Data, April 22, 2025
LaBella Project No: 2231211
Revised Date: 8/7/2025

Creator: EH

Path: I:\Elk Street Commerce Park\2231211 - Commerce Park\06_Drawings\DIG\Maps\APRX\OU3_Historical_Investigation\2025_07\2025_07.aprx



Well ID	TOC Elevation	GW Elevation	DTW
ESCP-MW-1	585.79	574.62	11.17
ESCP-MW-2	586.26	573.32	12.94
ESCP-MW-3	586.22	572.50	13.72
ESCP-MW-4	586.35	573.65	12.70
ESCP-MW-5	585.99	574.27	11.72
ESCP-MW-6	586.14	573.68	12.46
MW-21	582.84	564.33	18.51
MW-44	586.04	569.53	16.51
MW-45	585.57	568.31	17.26
EW-1	581.89	560.66	21.23
EW-2	581.92	560.78	21.14
EW-3	580.65	566.40	14.25
EW-4	581.58	566.38	15.20
EW-5	580.49	560.47	20.02
EW-6	580.41	557.61	22.80
EW-7	586.31	577.61	8.70

Well ID	TOC Elevation	GW Elevation	DTW
ESI-1	586.69	582.87	3.82
ESI-2	586.50	566.37	20.13
ESI-3	588.32	566.23	22.09
ESI-4	583.49	564.79	18.70
MW-10	584.78	571.54	13.24
MW-12	586.68	569.58	17.10
MW-13	584.37	582.67	1.70
MW-14	586.91	568.71	18.20
MW-15	586.65	568.95	17.70
MW-16	589.15	587.42	1.73
MW-18	582.88	569.96	12.92
MW-20	585.97	568.83	17.14
MW-26	584.87	581.47	3.40
MW-33	584.62	573.62	11.00
MW-36R	589.65	583.56	6.09
MW-42	585.62	578.92	6.70

Well ID	TOC Elevation	GW Elevation	DTW
MW-43	585.49	569.44	16.05
CSO-PZ-3	584.58	564.18	20.40
ESCP-MW-9	582.84	574.26	8.58
ESCP-MW-10	582.84	573.00	9.84
ESCP-MW-11	583.96	572.82	11.14
ESCP-MW12	583.15	572.75	10.40
ESCP-MW-13	584.02	572.68	11.34
ESCP-MW-7	581.55	572.65	8.90
ESCP-MW-8	581.76	572.99	8.77
MW-3	581.84	572.82	9.02
SB-37	582.73	572.63	10.10
ESCP-PZ1	591.87	584.07	7.80
ESCP-PZ2	598.08	582.98	15.10
ESCP-PZ3	597.78	582.68	15.10
ESCP-PZ4	597.74	582.44	15.30
ESCP-PZ5	597.77	572.87	24.90

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2025 Site Management Plan

ExxonMobil Oil
Former Buffalo Terminal
OU-3
503, 625 Elk Street
and 1 Babcock, Buffalo, NY
NYSDEC Site No. C915201D

N

0 200 400 Feet

Legend

- Slurry Wall
- Babcock St. CSO Structure
- Operational Unit 4 (OU-4) GWTF Boundary
- Operational Unit 3 (OU-3) Boundary
- Tax Parcel Boundary
- Groundwater Contour (ft)

Approximate Well Locations

- Western Boundary Wells; Monthly Gauging
- Monthly Download of Data from Transducers/Yearly Manual Gauge of Wells; Monthly Gauging
- Yearly/Manual
- Yearly/Manual (EW)

Note:
*Average annual goal elevation for the Buffalo River is 572.62 ft.

Sources: ESRI Maps, 2025; Erie County, 2021; LaBella, 2025.

OU-3 Inferred Groundwater

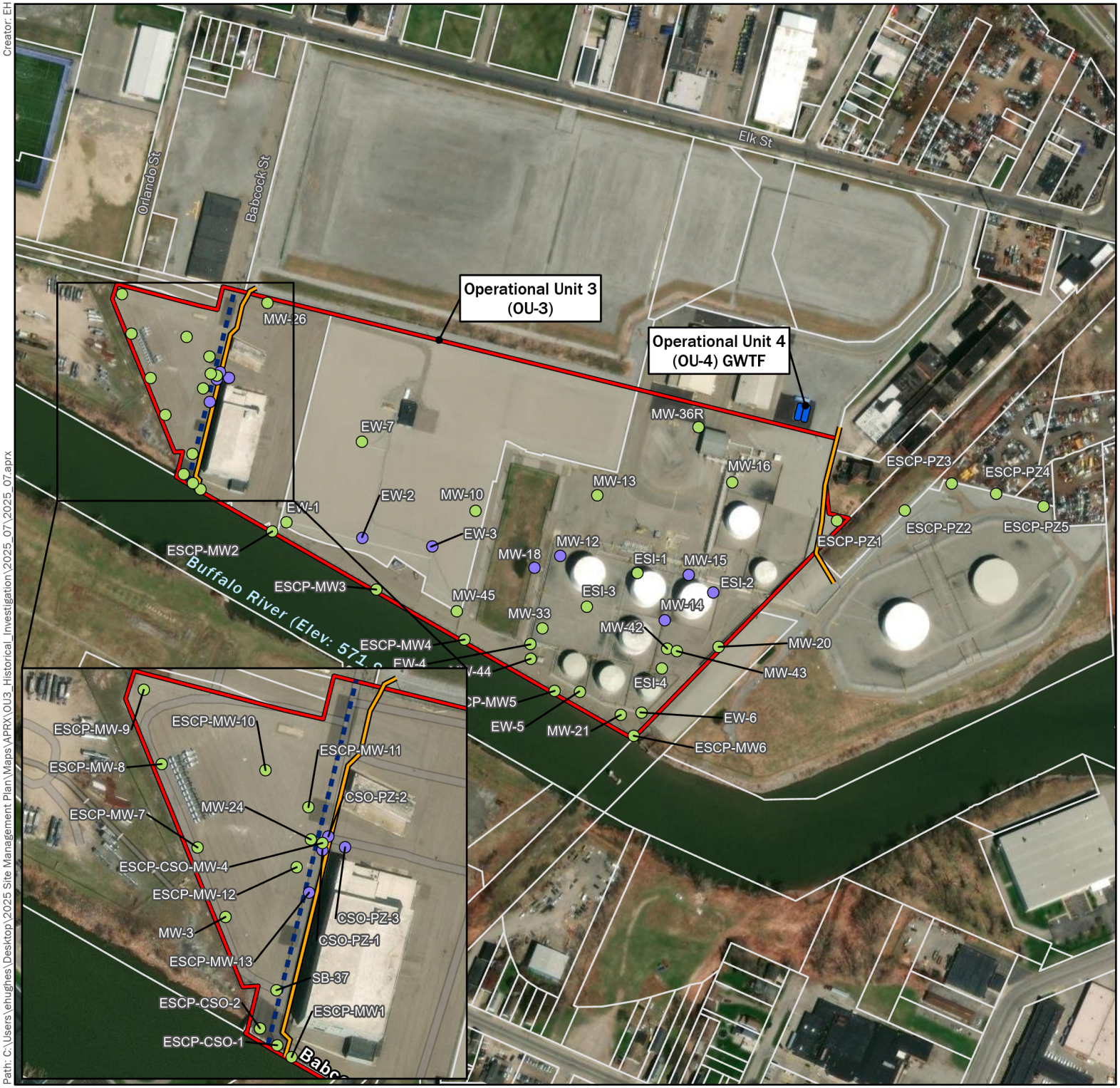
Contour Map

Figure 5

Gauging Data, April 22, 2025
LaBella Project No: 2231211
Revised Date: 8/7/2025

Modified: EH

Path: I:\Elk Street Commerce Park\2231211 - Commerce Park\06_Drawings\DIG\Maps\APRX\OU3_Historical_Investigation\2025_07\2025_07.aprx



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2025 Site Management Plan

ExxonMobil Oil
Former Buffalo Terminal
OU-3
503, 625 Elk Street
and 1 Babcock, Buffalo, NY
NYSDEC Site No. C915201D

N

0 200 400 Feet

Legend

- Slurry Wall
- Babcock St. CSO Structure
- Operational Unit 4 (OU-4) GWTF Boundary
- Operational Unit 3 (OU-3) Boundary
- Tax Parcel Boundary

Approximate Well Locations

- NAPL Detected
- NAPL Non-Detect

Note: Wells gauged on 4/22/2025

Sources: ESRI Maps 2025; Erie County, 2021; LaBella, 2025.

OU-3
Well Locations
2025 NAPL Detections
Inside Containment

Figure 6

LaBella Project No: 2231211
Revised Date: 8/20/2025

Creator: EH

Path: C:\Users\ehughes\Desktop\2025 Site Management Plan\Maps\APRX\OU3_Historical_Investigation\2025_07\2025_07.aprx

APPENDIX 1

Monthly and Annual Site Inspection Reports

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 5/9/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #: BCP	
Primary Site Contact: M. Pearson				
Name of Inspector: Chris Finn			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	Ponding observed on the south side of OU-3 near EW-4 and the south side of the retention basin. Ponding occurs after precipitation events. Two holes in asphalt were noted on the north side of the retention basin on Buckeye's property. These were repaired 5/17/24.
Vegetative Cover Condition	Yes ☐	No ☑	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☑	No ☐	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☑	No ☐	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Solar construction on-going, above-grade fencing has been installed around perimeter of solar site.

Stormwater Collection and Dainage				Collection System Observations:
Drainage Channel/Structure/Pipes	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Good ☑	Poor ☐	NA ☐	Small potholes noted along the northern and western sides of the rentention basin
Potholes Observed:	Yes ☑	No ☐	NA ☐	

Interviews/Additional Contacts

Name/Title	Company/Entity	Phone Number	Email

Photo Log

Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 6/26/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #: BCP	
Primary Site Contact: M. Pearson				
Name of Inspector: Chris Finn			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	
Vegetative Cover Condition	Yes ☐	No ☑	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☑	No ☐	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☑	No ☐	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Solar construction on-going, above-grade fencing has been installed around perimeter of solar site.

Stormwater Collection and Dainage				Collection System Observations:
Drainage Channel/Structure/Pipes	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Good ☑	Poor ☐	NA ☐	
Potholes Observed:	Yes ☑	No ☐	NA ☐	

Interviews/Additional Contacts

Name/Title	Company/Entity	Phone Number	Email

Photo Log

Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 7/9/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #: BCP	
Primary Site Contact: M. Pearson				
Name of Inspector: Chris Finn			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	
Vegetative Cover Condition	Yes ☐	No ☑	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☑	No ☐	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☑	No ☐	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Solar construction on-going, above-grade fencing has been installed around perimeter of solar site.

Stormwater Collection and Dainage				Collection System Observations:
Drainage Channel/Structure/Pipes	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Good ☑	Poor ☐	NA ☐	
Potholes Observed:	Yes ☑	No ☐	NA ☐	

Interviews/Additional Contacts

Name/Title	Company/Entity	Phone Number	Email

Photo Log

Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 8/27/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts

Name/Title	Company/Entity	Phone Number	Email

Photo Log

Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 9/30/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	Cover system is in good condition
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts			
Name/Title	Company/Entity	Phone Number	Email

Photo Log	
Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 10/30/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	Cover system is in good condition
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts

Name/Title	Company/Entity	Phone Number	Email

Photo Log

Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 11/29/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	OU3 eastern king pile settlement
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts			
Name/Title	Company/Entity	Phone Number	Email

Photo Log	
Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:



Inactive Hazardous Waste Site Inspection Form				Inspection Date: 12/27/2024
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	OU3 eastern king pile settlement
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts			
Name/Title	Company/Entity	Phone Number	Email

Photo Log	
Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 1/29/2025
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	OU3 eastern king pile settlement
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts			
Name/Title	Company/Entity	Phone Number	Email

Photo Log	
Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 2/28/2025
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka & Gabe Hadley			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	OU3 eastern king pile settlement
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts			
Name/Title	Company/Entity	Phone Number	Email

Photo Log	
Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 3/28/2025
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	OU3 eastern king pile settlement
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts			
Name/Title	Company/Entity	Phone Number	Email

Photo Log	
Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

Inactive Hazardous Waste Site Inspection Form				Inspection Date: 4/25/2025
Site Name: ESCP-OU3			Site Location: 503, 625 Elk Street, 1 Babcock	
NYSDEC Site Number: C915201D			Site Classification #:	
Primary Site Contact: M. Pearson				
Name of Inspector: Carly Repka			Phone: 716-907-0596	
Agency/Company: LaBella			Address: 300 Pearl Street Buffalo NY	

Soil/Gravel Cover System			Cover System Observations:
Cover System Onsite?	Yes ☑	No ☐	OU3 eastern king pile settlement
Vegetative Cover Condition	Yes ☑	No ☐	
Evidence of Vegetative Stress	Yes ☐	No ☑	
Mowing Required	Yes ☐	No ☑	
Presence of Debris	Yes ☐	No ☑	
Evidence of Ponded Water (A low area with water that remains for extended periods)	Yes ☐	No ☑	
Evidence of Wet Areas (wet soils not located in a depression)	Yes ☐	No ☑	
Evidence of Standing Water (water that is the result of recent precipitation events)	Yes ☐	No ☑	
Exposed Marker Layer	Yes ☐	No ☑	
Evidence of Erosion Settlement	Yes ☐	No ☑	
Evidence of Erosion	Yes ☐	No ☑	
Presence of Woody Growth	Yes ☐	No ☑	
Rutting due to unathurorized vehicles	Yes ☐	No ☑	
Animal burrows	Yes ☐	No ☑	

Inspection Observations (Document with photos and description)

Storm water Collection and Dainage				Collection System Observations:
Drainage Channel Condition:	Good ☑	Poor ☐	NA ☐	
Sedimentation:	Yes ☐	No ☑	NA ☐	
Debris:	Yes ☐	No ☑	NA ☐	
Erosion/Slope Loss:	Yes ☐	No ☑	NA ☐	
Rip-Rap Condition:	Good ☑	Poor ☐	NA ☐	
Other Drainage Structures/Pipes:	Good ☑	Poor ☐	NA ☐	
Detention Basin:	Good ☑	Poor ☐	NA ☐	

Access Road				Access Road Observations:
Overall Condition:	Yes ☑	No ☐	NA ☐	
Potholes Observed:	Yes ☐	No ☑	NA ☐	

Interviews/Additional Contacts			
Name/Title	Company/Entity	Phone Number	Email

Photo Log	
Photograph #1:	Photograph #5:
Photograph #2:	Photograph #6:
Photograph #3:	Photograph #7:
Photograph #4:	Photograph #8:

APPENDIX 2

Site Photographs



OU-3 facing North



OU-3 facing North



OU-3 facing West



OU-3 facing South/West



Ou-3 facing East



Retention Basin



Pavement cracking on OU-3



OU-3 facing East



Ponding area on OU-3



OU-3 facing North



Settlement that needs repair



Roadway on OU-3 facing North



Loading racks facing North



Loading racks facing South



OU-3 facing West



OU-3 facing West (between Buckeye and ESCP gate)



OU-3 facing East (between Buckeye and ESCP gate)



Tank yard



OU-3 facing East (by EW-1)



OU-3 facing North (by EW-2)



Area around OWS-1



OU-3 facing South in the solar field



Roadway on OU-3



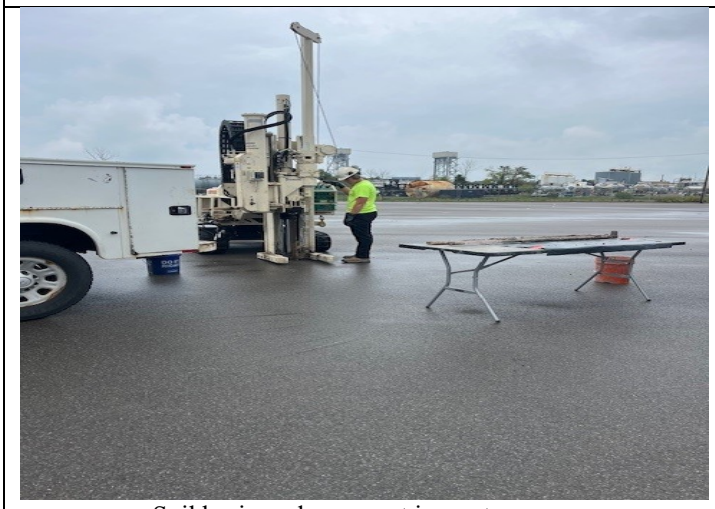
Facing West, former barrel house



Roadway construction



Pad pour



Soil boring advancment in western area



OWS-1 painting

APPENDIX 3

2024-2025 BSA Discharge Monitoring Reports

LaBella
Powered by partnership.

June 4, 2024

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow May 2024 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow May 2024 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for May 2024 from the BSA flowmeter

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for May 2024 were within permit limits. A total of **1,885,684** gallons were discharged to the BSA during the month of May 2024. The next quarterly sample will be collected in June of 2024, for submission in the July 2024 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)
Chris Finn (cfinn@labellapc.com)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

LaBella
Powered by partnership

ESCP GWTF Performance Monitoring
Month: May 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate	Total	Daily Total	SP-1	SP-2	SP-3
		Avg. GPM	Gallons	Gallons	Blower Press.	Blower Press.	Blower Press.
5/1/23	1000	52	108,742,075	75,011	-	-	-
5/2/23	1000	53	108,817,770	75,695	-	-	-
5/3/23	1000	53	108,894,531	76,761	-	-	-
5/4/23	1000	54	108,971,725	77,193	-	-	-
5/5/23	1000	54	109,049,507	77,782	-	-	-
5/6/23	1000	55	109,128,112	78,604	-	-	-
5/7/23	1000	12	109,145,792	17,680	-	-	-
5/8/23	1000	1	109,146,830	1,037	-	-	-
5/9/23	1000	53	109,228,635	76,804	-	-	-
5/10/23	1000	49	109,293,749	70,114	36	28	38
5/11/23	1000	47	109,361,462	67,713	-	-	-
5/12/23	1000	46	109,428,209	66,746	-	-	-
5/13/23	1000	46	109,494,262	66,053	-	-	-
5/14/23	1000	46	109,560,145	65,883	-	-	-
5/15/23	1000	46	109,626,103	65,956	-	-	-
5/16/23	1000	45	109,691,080	64,977	-	-	-
5/17/23	1000	46	109,757,182	66,102	36	28	36
5/18/23	1000	46	109,822,887	65,705	-	-	-
5/19/23	1000	46	109,889,412	66,525	-	-	-
5/20/23	1000	46	109,956,360	66,948	-	-	-
5/21/23	1000	35	110,006,911	50,551	-	-	-
5/22/23	1000	43	110,069,380	62,469	-	-	-
5/23/23	1000	43	110,131,141	61,760	-	-	-
5/24/23	1000	43	110,193,164	62,022	34	30	38
5/25/23	1000	43	110,255,192	62,028	-	-	-
5/26/23	1000	42	110,316,358	61,165	-	-	-
5/27/23	1000	43	110,378,307	61,948	-	-	-
5/28/23	1000	44	110,440,255	63,570	-	-	-
5/29/23	1000	43	110,503,825	61,580	-	-	-
5/30/23	1000	43	110,565,405	62,354	-	-	-
5/31/23	1000	43	110,627,759	62,425	36	30	36

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July 8, 2024

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow June 2024 and Quarterly Discharge Monitoring Report for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in the Monthly Flow June 2024 and Quarterly Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge form that presents the treatment system flow records for June 2024 from the BSA flow meter
- Data Summary Table for June 2024, including the compliance sampling results collected from the BSA outfall location and attached calculation sheet
- Copy of the laboratory analysis report for the sample reported on the summary table

Summary of BSA Compliance and Treatment Sample Analysis

The BSA compliance monitoring for the month of June 2024 included the following analysis:

- Total Extractable Hydrocarbons (TEH)
- pH
- Total Suspended Solids (TSS)
- Biochemical Oxygen Demand (BOD_5)

Eurofins Lancaster Laboratories reports Silica Gel Treated Hexane Extractable Material (SGT-HEM), which is equivalent to Total Petroleum Hydrocarbons (TPH), instead of TEH.

Three daily grab samples were taken on June 11, 12, and 13, 2024 and analyzed for TEH and pH. A grab discharge sample was also taken the day of June 13, 2024, for United States Environmental Protection Agency (USEPA) Test Method 624.1, including Toluene.

Summary of BSA Compliance and Treatment Sample Results

The following is a summary of the BSA Discharge Compliance sampling results for the month of June 2024:

- The TEH (SGT-HEM) data indicated that the treatment system was operating within discharge permit limits. For the three daily grab samples the detections of TEH (SGT-HEM) were non-detect.
- The pH result for the three daily grab samples ranged from 7.22-8.06.
- The 72-hour composite samples collected on June 13, 2024, indicated the treatment system was operating within discharge permit limits for TSS (5.60 mg/L) and BOD_5 (ND). The results of the grab sample for USEPA Method 624, collected on June 13, 2024, indicated a combined benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentration of 30.0 µg/L.
- Based upon the results of the sampling on June 13, 2024, the mass of toluene discharged from the treatment system to the BSA was calculated to be 0.0013 pounds. The total flow through the system on June 13, 2024, was 67,523 gallons.

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes were within permit limits. A total of **1,829,519** gallons of water was discharged to the BSA during the month of June 2024. The next quarterly sample will be collected in September of 2024, for submission in the October 2024 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (MPearson@kroggrp.com)
Megan Kuczka (Megan.Kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

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ESCP GWTF Performance Monitoring
Month: June 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
6/1/24	1000	44	110,692,208	63,969	-	-	-
6/2/24	1000	44	110,756,613	64,404	-	-	-
6/3/24	1000	45	110,821,609	64,966	10	6	12
6/4/24	1000	46	110,887,925	66,315	-	-	-
6/5/24	1000	46	110,955,535	67,610	-	-	-
6/6/24	1000	47	111,023,317	67,782	6	4	18
6/7/24	1000	45	111,088,235	64,917	-	-	-
6/8/24	1000	44	111,152,521	64,286	-	-	-
6/9/24	1000	43	111,216,523	64,002	-	-	-
6/10/24	1000	43	111,279,928	63,404	-	-	-
6/11/24	1000	17	111,304,550	24,622	-	-	-
6/12/24	1000	48	111,374,034	69,483	-	-	-
6/13/24	1000	46	111,441,557	67,523	-	-	-
6/14/24	1000	47	111,509,247	67,689	-	-	-
6/15/24	1000	45	111,575,344	66,097	-	-	-
6/16/24	1000	45	111,640,168	64,824	-	-	-
6/17/24	1000	45	111,705,145	64,977	-	-	-
6/18/24	1000	46	111,771,526	66,380	-	-	-
6/19/24	1000	44	111,835,134	63,607	-	-	-
6/20/24	1000	43	111,898,228	63,094	-	-	-
6/21/24	1000	44	111,961,868	63,640	-	-	-
6/22/24	1000	43	112,025,189	63,320	-	-	-
6/23/24	1000	44	112,089,321	64,132	-	-	-
6/24/24	1000	44	112,152,890	63,569	-	-	-
6/25/24	1000	43	112,215,213	62,322	-	-	-
6/26/24	1000	43	112,278,242	63,028	-	-	-
6/27/24	1000	42	112,339,482	61,240	-	-	-
6/28/24	1000	41	112,399,515	60,033	4	2	8
6/29/24	1000	41	112,459,519	60,003	-	-	-
6/30/24	1000	42	112,521,727	62,207	-	-	-

Elk Strret Commerce Park
FORMER BUFFALO TERMINAL
BSA DISCHARGE MONITORING REPORT

MONTH: **June 2023**

ISSUED: **July 2024**

PROCESS WATER EFFLUENT

PARAMETER	DISCHARGE LIMITATIONS	SAMPLING FREQUENCY	DATE 6/13/24
USEPA TEST 624.1 (µg/L)	**Monitor Only**	**Quarterly**	Report
T.S.S. (mg/L)	**250 mg/L**	**Quarterly**	5.60
B.O.D. $_5$ (mg/L)	**250 mg/L**	**Quarterly**	ND (4.0)
TOLUENE (lb/day)	**0.87 lb/day**	**Quarterly**	0.0013

TOTAL MONTHLY FLOW: **1,829,519**

METHOD 1664B / pH Results
BSA OUTFALL DAILY GRAB SAMPLES 6/11, 6/12, and 6/13/24

	6/11/24	6/12/24	6/13/24
SGT-HEM (Method 1664B)	ND (1.9)	ND (1.9)	ND (1.9)
pH	7.22	8.06	7.63

Notes:

1. "J" value is a result that is less than the reporting limit, but greater than or equal to the method detection limit and the concentration is an estimated value.
2. "ND" value is that the analyte is not detected.

CALCULATION FORM

CLIENT/PROJECT: Elk Street Commerce Park

PREPARED BY: ARJ **DATE:** 07/08/24

CHECKED BY: ARJ **DATE:** 07/08/24

DESCRIPTION: June 2024 DMR

EPA TEST 624
BSA OUTFALL SAMPLES 6/13/24

Benzene	20.00	µg/L	
Ethylbenzene	2.30	µg/L	(ND)
Toluene	2.30	µg/L	(ND)
Xylenes (Total)	5.40	µg/L	(ND)
Total:	30.00	µg/L	

Flow on 6/13/24: 67,523 gallons

Mass of toluene discharged (lb/day) =

$$0.00230 \frac{mg}{L} \times 67{,}523 \text{ gals} \times 0.000002205 \frac{lb}{mg} \times 3.785 \frac{L}{gal} = 0.0013 \text{ lb/day}$$

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

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JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-220803-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

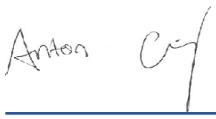
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-220803-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-220803-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/13/2024 2:20 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 15.5°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BSA GRAB 1 (480-220803-4). 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.

General Chemistry
Method 1664B: Analysis for Hexane Extractable Material (HEM) was performed for the following samples: BSA DAY 1 GRAB (480-220803-1), BSA DAY 2 GRAB (480-220803-2) and BSA DAY 3 GRAB (480-220803-3). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BSA DAY 1 GRAB (480-220803-1), BSA DAY 2 GRAB (480-220803-2) and BSA DAY 3 GRAB (480-220803-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA DAY 1 GRAB — Lab Sample ID: 480-220803-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.22	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.8	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA DAY 2 GRAB — Lab Sample ID: 480-220803-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.06	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.6	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA DAY 3 GRAB — Lab Sample ID: 480-220803-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.63	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.8	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA GRAB 1 — Lab Sample ID: 480-220803-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	8.3	J	25	2.5	ug/L	5		624.1	Total/NA
Acetone	63	J	130	9.9	ug/L	5		624.1	Total/NA
Benzene	20	J	25	3.0	ug/L	5		624.1	Total/NA
Chlorobenzene	22	J	25	2.4	ug/L	5		624.1	Total/NA
Isopropylbenzene	6.9	J	25	2.6	ug/L	5		624.1	Total/NA
Methyl tert-butyl ether	13	J	25	1.8	ug/L	5		624.1	Total/NA

Client Sample ID: BSA COMP 1 — Lab Sample ID: 480-220803-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	6.2		2.0	2.0	mg/L	1		SM 5210B	Total/NA

Client Sample ID: TRIP BLANK 1 — Lab Sample ID: 480-220803-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA DAY 1 GRAB

Date Collected: 06/11/24 13:15
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		4.9	1.4	mg/L		06/15/24 08:19	06/15/24 10:02	1
SGT-HEM (1664B)	ND		4.9	1.9	mg/L		06/15/24 08:19	06/15/24 10:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.22**	**HF**	0.100	0.100	SU			06/14/24 18:36	1
Temperature (SW846 9040C)	**19.8**	**HF**	0.00100	0.00100	Degrees C			06/14/24 18:36	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA DAY 2 GRAB

Date Collected: 06/12/24 14:00
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		5.0	1.4	mg/L		06/15/24 08:19	06/15/24 10:02	1
SGT-HEM (1664B)	ND		5.0	1.9	mg/L		06/15/24 08:19	06/15/24 10:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**8.06**	**HF**	0.100	0.100	SU			06/14/24 18:36	1
Temperature (SW846 9040C)	**19.6**	**HF**	0.00100	0.00100	Degrees C			06/14/24 18:36	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA DAY 3 GRAB

Date Collected: 06/13/24 12:55
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		4.9	1.4	mg/L		06/15/24 08:19	06/15/24 10:02	1
SGT-HEM (1664B)	ND		4.9	1.9	mg/L		06/15/24 08:19	06/15/24 10:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.63**	**HF**	0.100	0.100	SU			06/14/24 18:36	1
Temperature (SW846 9040C)	**19.8**	**HF**	0.00100	0.00100	Degrees C			06/14/24 18:36	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA GRAB 1

Date Collected: 06/13/24 13:15
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-4

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	1.9	ug/L			06/14/24 13:10	5
1,1,2,2-Tetrachloroethane	ND		25	1.3	ug/L			06/14/24 13:10	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	1.8	ug/L			06/14/24 13:10	5
1,1,2-Trichloroethane	ND		25	2.4	ug/L			06/14/24 13:10	5
1,1-Dichloroethane	ND		25	2.9	ug/L			06/14/24 13:10	5
1,1-Dichloroethene	ND		25	4.3	ug/L			06/14/24 13:10	5
1,2,4-Trichlorobenzene	ND		25	2.0	ug/L			06/14/24 13:10	5
1,2-Dibromo-3-Chloropropane	ND		25	3.1	ug/L			06/14/24 13:10	5
1,2-Dibromoethane	ND		25	2.5	ug/L			06/14/24 13:10	5
1,2-Dichlorobenzene	ND		25	2.2	ug/L			06/14/24 13:10	5
1,2-Dichloroethane	ND		25	3.0	ug/L			06/14/24 13:10	5
1,2-Dichloropropane	ND		25	3.1	ug/L			06/14/24 13:10	5
1,3-Dichlorobenzene	ND		25	2.7	ug/L			06/14/24 13:10	5
1,4-Dichlorobenzene	**8.3**	**J**	25	2.5	ug/L			06/14/24 13:10	5
2-Butanone (MEK)	ND		130	8.8	ug/L			06/14/24 13:10	5
2-Hexanone	ND		130	9.8	ug/L			06/14/24 13:10	5
4-Methyl-2-pentanone (MIBK)	ND		130	6.5	ug/L			06/14/24 13:10	5
Acetone	**63**	**J**	130	9.9	ug/L			06/14/24 13:10	5
Benzene	**20**	**J**	25	3.0	ug/L			06/14/24 13:10	5
Bromodichloromethane	ND		25	2.7	ug/L			06/14/24 13:10	5
Bromoform	ND		25	2.3	ug/L			06/14/24 13:10	5
Bromomethane	ND		25	6.0	ug/L			06/14/24 13:10	5
Carbon disulfide	ND		25	1.4	ug/L			06/14/24 13:10	5
Carbon tetrachloride	ND		25	2.6	ug/L			06/14/24 13:10	5
Chlorobenzene	**22**	**J**	25	2.4	ug/L			06/14/24 13:10	5
Chloroethane	ND		25	4.4	ug/L			06/14/24 13:10	5
Chloroform	ND		25	2.7	ug/L			06/14/24 13:10	5
Chloromethane	ND		25	3.2	ug/L			06/14/24 13:10	5
cis-1,2-Dichloroethene	ND		25	2.9	ug/L			06/14/24 13:10	5
cis-1,3-Dichloropropene	ND		25	1.7	ug/L			06/14/24 13:10	5
Dibromochloromethane	ND		25	2.1	ug/L			06/14/24 13:10	5
Dichlorodifluoromethane	ND		25	1.4	ug/L			06/14/24 13:10	5
Ethylbenzene	ND		25	2.3	ug/L			06/14/24 13:10	5
Isopropylbenzene	**6.9**	**J**	25	2.6	ug/L			06/14/24 13:10	5
Methyl tert-butyl ether	**13**	**J**	25	1.8	ug/L			06/14/24 13:10	5
Methylene Chloride	ND		25	4.1	ug/L			06/14/24 13:10	5
Styrene	ND		25	1.9	ug/L			06/14/24 13:10	5
Tetrachloroethene	ND		25	1.7	ug/L			06/14/24 13:10	5
Toluene	ND		25	2.3	ug/L			06/14/24 13:10	5
trans-1,2-Dichloroethene	ND		25	2.9	ug/L			06/14/24 13:10	5
trans-1,3-Dichloropropene	ND		25	2.2	ug/L			06/14/24 13:10	5
Trichloroethene	ND		25	3.0	ug/L			06/14/24 13:10	5
Trichlorofluoromethane	ND		25	2.2	ug/L			06/14/24 13:10	5
Vinyl chloride	ND		25	3.7	ug/L			06/14/24 13:10	5
Xylenes, Total	ND		50	5.4	ug/L			06/14/24 13:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*06/14/24 13:10*	*5*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*06/14/24 13:10*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/14/24 13:10*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA GRAB 1
Date Collected: 06/13/24 13:15
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-4
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		77 - 120		06/14/24 13:10	5

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA COMP 1

Date Collected: 06/13/24 13:20
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-5

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM 5210B)	**6.2**		2.0	2.0	mg/L			06/14/24 12:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0	4.0	mg/L			06/17/24 10:33	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: TRIP BLANK 1

Date Collected: 06/13/24 00:00
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-6

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/14/24 13:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			06/14/24 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			06/14/24 13:34	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/14/24 13:34	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/14/24 13:34	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			06/14/24 13:34	1
1,2,4-Trichlorobenzene	ND		5.0	0.39	ug/L			06/14/24 13:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			06/14/24 13:34	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			06/14/24 13:34	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			06/14/24 13:34	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/14/24 13:34	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			06/14/24 13:34	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			06/14/24 13:34	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			06/14/24 13:34	1
2-Butanone (MEK)	ND		25	1.8	ug/L			06/14/24 13:34	1
2-Hexanone	ND		25	2.0	ug/L			06/14/24 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			06/14/24 13:34	1
Acetone	ND		25	2.0	ug/L			06/14/24 13:34	1
Benzene	ND		5.0	0.60	ug/L			06/14/24 13:34	1
Bromodichloromethane	ND		5.0	0.54	ug/L			06/14/24 13:34	1
Bromoform	ND		5.0	0.47	ug/L			06/14/24 13:34	1
Bromomethane	ND		5.0	1.2	ug/L			06/14/24 13:34	1
Carbon disulfide	ND		5.0	0.29	ug/L			06/14/24 13:34	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/14/24 13:34	1
Chlorobenzene	ND		5.0	0.48	ug/L			06/14/24 13:34	1
Chloroethane	ND		5.0	0.87	ug/L			06/14/24 13:34	1
Chloroform	ND		5.0	0.54	ug/L			06/14/24 13:34	1
Chloromethane	ND		5.0	0.64	ug/L			06/14/24 13:34	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			06/14/24 13:34	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			06/14/24 13:34	1
Dibromochloromethane	ND		5.0	0.41	ug/L			06/14/24 13:34	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			06/14/24 13:34	1
Ethylbenzene	ND		5.0	0.46	ug/L			06/14/24 13:34	1
Isopropylbenzene	ND		5.0	0.51	ug/L			06/14/24 13:34	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			06/14/24 13:34	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/14/24 13:34	1
Styrene	ND		5.0	0.38	ug/L			06/14/24 13:34	1
Tetrachloroethene	ND		5.0	0.34	ug/L			06/14/24 13:34	1
Toluene	ND		5.0	0.45	ug/L			06/14/24 13:34	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			06/14/24 13:34	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			06/14/24 13:34	1
Trichloroethene	ND		5.0	0.60	ug/L			06/14/24 13:34	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			06/14/24 13:34	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/14/24 13:34	1
Xylenes, Total	ND		10	1.1	ug/L			06/14/24 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*06/14/24 13:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*06/14/24 13:34*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*06/14/24 13:34*	*1*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: TRIP BLANK 1
Date Collected: 06/13/24 00:00
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-6
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		77 - 120		06/14/24 13:34	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-220803-4	BSA GRAB 1	103	101	101	104
480-220803-6	TRIP BLANK 1	106	99	98	104
LCS 480-715608/6	Lab Control Sample	107	102	107	104
MB 480-715608/8	Method Blank	106	101	108	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-715608/8
Matrix: Water
Analysis Batch: 715608

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/14/24 12:21	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			06/14/24 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			06/14/24 12:21	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/14/24 12:21	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/14/24 12:21	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			06/14/24 12:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.39	ug/L			06/14/24 12:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			06/14/24 12:21	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			06/14/24 12:21	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			06/14/24 12:21	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/14/24 12:21	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			06/14/24 12:21	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			06/14/24 12:21	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			06/14/24 12:21	1
2-Butanone (MEK)	ND		25	1.8	ug/L			06/14/24 12:21	1
2-Hexanone	ND		25	2.0	ug/L			06/14/24 12:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			06/14/24 12:21	1
Acetone	ND		25	2.0	ug/L			06/14/24 12:21	1
Benzene	ND		5.0	0.60	ug/L			06/14/24 12:21	1
Bromodichloromethane	ND		5.0	0.54	ug/L			06/14/24 12:21	1
Bromoform	ND		5.0	0.47	ug/L			06/14/24 12:21	1
Bromomethane	ND		5.0	1.2	ug/L			06/14/24 12:21	1
Carbon disulfide	ND		5.0	0.29	ug/L			06/14/24 12:21	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/14/24 12:21	1
Chlorobenzene	ND		5.0	0.48	ug/L			06/14/24 12:21	1
Chloroethane	ND		5.0	0.87	ug/L			06/14/24 12:21	1
Chloroform	ND		5.0	0.54	ug/L			06/14/24 12:21	1
Chloromethane	ND		5.0	0.64	ug/L			06/14/24 12:21	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			06/14/24 12:21	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			06/14/24 12:21	1
Dibromochloromethane	ND		5.0	0.41	ug/L			06/14/24 12:21	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			06/14/24 12:21	1
Ethylbenzene	ND		5.0	0.46	ug/L			06/14/24 12:21	1
Isopropylbenzene	ND		5.0	0.51	ug/L			06/14/24 12:21	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			06/14/24 12:21	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/14/24 12:21	1
Styrene	ND		5.0	0.38	ug/L			06/14/24 12:21	1
Tetrachloroethene	ND		5.0	0.34	ug/L			06/14/24 12:21	1
Toluene	ND		5.0	0.45	ug/L			06/14/24 12:21	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			06/14/24 12:21	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			06/14/24 12:21	1
Trichloroethene	ND		5.0	0.60	ug/L			06/14/24 12:21	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			06/14/24 12:21	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/14/24 12:21	1
Xylenes, Total	ND		10	1.1	ug/L			06/14/24 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*06/14/24 12:21*	*1*

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-715608/8
Matrix: Water
Analysis Batch: 715608

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*06/14/24 12:21*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*06/14/24 12:21*	*1*
Toluene-d8 (Surr)	*105*		*77 - 120*		*06/14/24 12:21*	*1*

Lab Sample ID: LCS 480-715608/6
Matrix: Water
Analysis Batch: 715608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	23.0		ug/L		115	52 - 162
1,1,2,2-Tetrachloroethane	20.0	23.8		ug/L		119	46 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.8		ug/L		114	50 - 150
1,1,2-Trichloroethane	20.0	22.1		ug/L		110	52 - 150
1,1-Dichloroethane	20.0	22.1		ug/L		111	59 - 155
1,1-Dichloroethene	20.0	22.6		ug/L		113	1 - 234
1,2,4-Trichlorobenzene	20.0	22.6		ug/L		113	56 - 128
1,2-Dibromo-3-Chloropropane	20.0	23.7		ug/L		118	44 - 138
1,2-Dibromoethane	20.0	22.0		ug/L		110	77 - 124
1,2-Dichlorobenzene	20.0	23.0		ug/L		115	18 - 190
1,2-Dichloroethane	20.0	22.2		ug/L		111	49 - 155
1,2-Dichloropropane	20.0	21.8		ug/L		109	1 - 210
1,3-Dichlorobenzene	20.0	22.8		ug/L		114	59 - 156
1,4-Dichlorobenzene	20.0	22.4		ug/L		112	18 - 190
2-Butanone (MEK)	100	117		ug/L		117	57 - 140
2-Hexanone	100	111		ug/L		111	50 - 150
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	50 - 150
Acetone	100	132		ug/L		132	21 - 161
Benzene	20.0	22.0		ug/L		110	37 - 151
Bromodichloromethane	20.0	22.2		ug/L		111	35 - 155
Bromoform	20.0	20.5		ug/L		102	45 - 169
Bromomethane	20.0	24.3		ug/L		122	1 - 242
Carbon disulfide	20.0	22.3		ug/L		111	49 - 145
Carbon tetrachloride	20.0	22.1		ug/L		111	70 - 140
Chlorobenzene	20.0	21.8		ug/L		109	37 - 160
Chloroethane	20.0	22.0		ug/L		110	14 - 230
Chloroform	20.0	22.8		ug/L		114	51 - 138
Chloromethane	20.0	22.2		ug/L		111	1 - 273
cis-1,2-Dichloroethene	20.0	22.7		ug/L		113	50 - 150
cis-1,3-Dichloropropene	20.0	21.0		ug/L		105	1 - 227
Dibromochloromethane	20.0	21.4		ug/L		107	53 - 149
Dichlorodifluoromethane	20.0	24.9		ug/L		125	59 - 135
Ethylbenzene	20.0	22.4		ug/L		112	37 - 162
Isopropylbenzene	20.0	23.7		ug/L		119	68 - 133
Methyl tert-butyl ether	20.0	22.9		ug/L		114	78 - 118
Methylene Chloride	20.0	22.1		ug/L		111	1 - 221
Styrene	20.0	21.4		ug/L		107	50 - 150
Tetrachloroethene	20.0	22.6		ug/L		113	64 - 148
Toluene	20.0	21.8		ug/L		109	47 - 150

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-715608/6
Matrix: Water
Analysis Batch: 715608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	22.6		ug/L		113	54 - 156
trans-1,3-Dichloropropene	20.0	21.0		ug/L		105	17 - 183
Trichloroethene	20.0	22.3		ug/L		111	71 - 157
Trichlorofluoromethane	20.0	27.5		ug/L		138	17 - 181
Vinyl chloride	20.0	19.0		ug/L		95	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*104*		*77 - 120*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-715722/1-A
Matrix: Water
Analysis Batch: 715725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0	1.4	mg/L		06/15/24 08:19	06/15/24 10:02	1
SGT-HEM	ND		5.0	1.9	mg/L		06/15/24 08:19	06/15/24 10:02	1

Lab Sample ID: LCS 480-715722/2-A
Matrix: Water
Analysis Batch: 715725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	34.00		mg/L		85	78 - 114
SGT-HEM	20.0	17.00		mg/L		85	64 - 132

Method: 9040C - pH

Lab Sample ID: LCS 480-715712/1
Matrix: Water
Analysis Batch: 715712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	6.910		SU		99	99 - 101

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-715804/1
Matrix: Water
Analysis Batch: 715804

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/17/24 10:33	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 480-715804/2
Matrix: Water
Analysis Batch: 715804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			246	238.8		mg/L		97	88 - 110		

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-715708/1
Matrix: Water
Analysis Batch: 715708

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			06/14/24 12:33	1

Lab Sample ID: LCS 480-715708/2
Matrix: Water
Analysis Batch: 715708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Biochemical Oxygen Demand			199	196.6		mg/L		99	85 - 115		

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

GC/MS VOA

Analysis Batch: 715608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220803-4	BSA GRAB 1	Total/NA	Water	624.1	
480-220803-6	TRIP BLANK 1	Total/NA	Water	624.1	
MB 480-715608/8	Method Blank	Total/NA	Water	624.1	
LCS 480-715608/6	Lab Control Sample	Total/NA	Water	624.1	

General Chemistry

Analysis Batch: 715708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220803-5	BSA COMP 1	Total/NA	Water	SM 5210B	
USB 480-715708/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-715708/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 715712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220803-1	BSA DAY 1 GRAB	Total/NA	Water	9040C	
480-220803-2	BSA DAY 2 GRAB	Total/NA	Water	9040C	
480-220803-3	BSA DAY 3 GRAB	Total/NA	Water	9040C	
LCS 480-715712/1	Lab Control Sample	Total/NA	Water	9040C	

Prep Batch: 715722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220803-1	BSA DAY 1 GRAB	Total/NA	Water	1664B	
480-220803-2	BSA DAY 2 GRAB	Total/NA	Water	1664B	
480-220803-3	BSA DAY 3 GRAB	Total/NA	Water	1664B	
MB 480-715722/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-715722/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 715725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220803-1	BSA DAY 1 GRAB	Total/NA	Water	1664B	715722
480-220803-2	BSA DAY 2 GRAB	Total/NA	Water	1664B	715722
480-220803-3	BSA DAY 3 GRAB	Total/NA	Water	1664B	715722
MB 480-715722/1-A	Method Blank	Total/NA	Water	1664B	715722
LCS 480-715722/2-A	Lab Control Sample	Total/NA	Water	1664B	715722

Analysis Batch: 715804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220803-5	BSA COMP 1	Total/NA	Water	SM 2540D	
MB 480-715804/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-715804/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Client Sample ID: BSA DAY 1 GRAB
Date Collected: 06/11/24 13:15
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			715722	KM	EET BUF	06/15/24 08:19
Total/NA	Analysis	1664B		1	715725	KM	EET BUF	06/15/24 10:02
Total/NA	Analysis	9040C		1	715712	KB	EET BUF	06/14/24 18:36

Client Sample ID: BSA DAY 2 GRAB
Date Collected: 06/12/24 14:00
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			715722	KM	EET BUF	06/15/24 08:19
Total/NA	Analysis	1664B		1	715725	KM	EET BUF	06/15/24 10:02
Total/NA	Analysis	9040C		1	715712	KB	EET BUF	06/14/24 18:36

Client Sample ID: BSA DAY 3 GRAB
Date Collected: 06/13/24 12:55
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			715722	KM	EET BUF	06/15/24 08:19
Total/NA	Analysis	1664B		1	715725	KM	EET BUF	06/15/24 10:02
Total/NA	Analysis	9040C		1	715712	KB	EET BUF	06/14/24 18:36

Client Sample ID: BSA GRAB 1
Date Collected: 06/13/24 13:15
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	715608	AXK	EET BUF	06/14/24 13:10

Client Sample ID: BSA COMP 1
Date Collected: 06/13/24 13:20
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540D		1	715804	AB	EET BUF	06/17/24 10:33
Total/NA	Analysis	SM 5210B		1	715708	CG	EET BUF	06/14/24 12:33

Client Sample ID: TRIP BLANK 1
Date Collected: 06/13/24 00:00
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220803-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	715608	AXK	EET BUF	06/14/24 13:34

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-220803-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	1,2,4-Trichlorobenzene
624.1		Water	1,2-Dibromo-3-Chloropropane
624.1		Water	1,2-Dibromoethane
624.1		Water	2-Butanone (MEK)
624.1		Water	2-Hexanone
624.1		Water	4-Methyl-2-pentanone (MIBK)
624.1		Water	Carbon disulfide
624.1		Water	Isopropylbenzene
9040C		Water	pH
9040C		Water	Temperature

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
1664B	HEM and SGT-HEM	1664B	EET BUF
9040C	pH	SW846	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 5210B	BOD, 5-Day	SM	EET BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220803-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220803-1	BSA DAY 1 GRAB	Water	06/11/24 13:15	06/13/24 14:20
480-220803-2	BSA DAY 2 GRAB	Water	06/12/24 14:00	06/13/24 14:20
480-220803-3	BSA DAY 3 GRAB	Water	06/13/24 12:55	06/13/24 14:20
480-220803-4	BSA GRAB 1	Water	06/13/24 13:15	06/13/24 14:20
480-220803-5	BSA COMP 1	Water	06/13/24 13:20	06/13/24 14:20
480-220803-6	TRIP BLANK 1	Water	06/13/24 00:00	06/13/24 14:20

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2298
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Brent Miller
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below _____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # 2231211	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	5210B-BOD	2540D-TSS	624.1_PREC-624 TCL list	1664B-TPH	9040C-pH	Sample Specific Notes:
								N	N	2	3	N	
BSA DAY 1 GRAB	6/11/24	1315	G	W	2						1	1	
BSA DAY 2 GRAB	6/12/24	1400	G	W	2						1	1	
BSA DAY 3 GRAB	6/13/24	1255	G	W	2						1	1	
BSA GRAB 1	6/13/24	1315	G	W	3					3			
BSA COMP. 1	6/13/24	1320	C	W	5			1	1				
TRIP BLANK 1				W	2					2			

480-220803 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

15.5 #1 No Ice

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by:	Company: LaBella	Date/Time: 6/13 1420	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 6/13/24 1420

6/19/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-220803-1

Login Number: 220803
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
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.	N/A	
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	LEBELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Janik, Andrew

From: Mike Szilagyi <mszilagyi@buffalosewer.org>
Sent: Wednesday, July 10, 2024 2:19 PM
To: Janik, Andrew; Matthew Pearson
Subject: [Ext] Self-Monitoring Report

Good afternoon gentlemen.

Let this e-mail serve as written confirmation that the Buffalo Sewer Authority has received and reviewed your July 2024 self-monitoring report. Based upon our review of the analytical results, your facility is in compliance with your 23-01-BU287 Industrial Discharge Permit.

If you have any questions, please do not hesitate to contact me.
Thanks, Mike.

Thank you for your time, Mike.

BUFFALO
SEWER AUTHORITY

MSzilagyi@BuffaloSewerAuthority.org

CAUTION: This email originated from outside the LaBella organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

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August 1, 2024

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow July 2024 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow July 2024 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for July 2024 from the BSA flowmeter

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for July 2024 were within permit limits. A total of **1,855,667** gallons were discharged to the BSA during the month of July 2024. The next quarterly sample will be collected in September of 2024, for submission in the October 2024 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,

Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

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ESCP GWTF Performance Monitoring
Month: July 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate Avg. GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
7/1/24	1000	44	112,585,683	63,956	-	-	-
7/2/24	1000	44	112,650,287	64,603	-	-	-
7/3/24	1000	46	112,717,213	66,926	-	-	-
7/4/24	1000	46	112,784,167	66,954	-	-	-
7/5/24	1000	46	112,850,643	66,475	-	-	-
7/6/24	1000	46	112,917,556	66,912	-	-	-
7/7/24	1000	46	112,984,317	66,761	-	-	-
7/8/24	1000	46	113,050,576	66,258	-	-	-
7/9/24	1000	44	113,114,154	63,577	8	4	14
7/10/24	1000	44	113,178,199	64,045	-	-	-
7/11/24	1000	42	113,239,927	61,727	-	-	-
7/12/24	1000	42	113,301,302	61,375	9	6	18
7/13/24	1000	43	113,363,525	62,223	-	-	-
7/14/24	1000	43	113,426,216	62,691	-	-	-
7/15/24	1000	43	113,489,008	62,791	-	-	-
7/16/24	1000	44	113,552,920	63,911	-	-	-
7/17/24	1000	45	113,617,777	64,857	-	-	-
7/18/24	1000	42	113,679,527	61,749	-	-	-
7/19/24	1000	42	113,740,440	60,913	-	-	-
7/20/24	1000	42	113,801,350	60,909	-	-	-
7/21/24	1000	42	113,862,681	61,331	-	-	-
7/22/24	1000	42	113,923,432	60,751	-	-	-
7/23/24	1000	41	113,983,251	59,818	-	-	-
7/24/24	1000	42	114,043,373	60,121	-	-	-
7/25/24	1000	41	114,102,804	59,431	-	-	-
7/26/24	1000	41	114,161,142	58,337	10	6	22
7/27/24	1000	38	114,216,932	55,790	-	-	-
7/28/24	1000	38	114,272,838	55,906	-	-	-
7/29/24	1000	38	114,328,702	55,863	-	-	-
7/30/24	1000	38	114,384,908	56,205	-	-	-
7/31/24	1000	39	114,441,350	56,442	-	-	-

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September 3, 2024

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow August 2024 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow August 2024 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for August 2024 from the BSA flowmeter

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for August 2024 were within permit limits. A total of **1,951,799** gallons were discharged to the BSA during the month of August 2024. The next quarterly sample will be collected in September of 2024, for submission in the October 2024 report.

Treatment System Maintenance

Beginning the week of September 30, 2024, a semi-annual cleaning event will be conducted of the GWETS components and equipment. It is anticipated that the GWETS will be down for approximately one week to conduct the cleaning and perform maintenance to OWS-1 and the air sparge tanks. Start up discharge sampling will be conducted once the GWETS is back online, per BSA permit #21-11-BU289, Part 1, D, 1 (page 5 of 6).

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,

Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)



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Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

LaBella
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ESCP GWTF Performance Monitoring
Month: August 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate	Total	Daily Total	SP-1	SP-2	SP-3
		Avg. GPM	Gallons	Gallons	Blower Press.	Blower Press.	Blower Press.
8/1/24	1000	38	114,496,607	55,256	12	6	26
8/2/24	1000	21	114,528,287	31,680	-	-	-
8/3/24	1000	23	114,561,577	33,289	-	-	-
8/4/24	1000	23	114,596,095	34,518	-	-	-
8/5/24	1000	24	114,631,580	35,485	-	-	-
8/6/24	1000	32	114,678,672	47,092	-	-	-
8/7/24	1000	30	114,722,568	43,895	-	-	-
8/8/24	1000	30	114,765,808	43,239	10	6	24
8/9/24	1000	30	114,809,064	43,256	-	-	-
8/10/24	1000	29	114,852,038	42,973	-	-	-
8/11/24	1000	30	114,895,814	43,776	-	-	-
8/12/24	1000	30	114,939,039	43,224	-	-	-
8/13/24	1000	29	114,981,375	42,336	10	6	22
8/14/24	1000	28	115,022,157	40,781	-	-	-
8/15/24	1000	28	115,062,666	40,508	-	-	-
8/16/24	1000	46	115,130,091	67,424	10	6	22
8/17/24	1000	47	115,198,480	68,389	-	-	-
8/18/24	1000	47	115,266,561	68,080	-	-	-
8/19/24	1000	47	115,335,543	68,981	-	-	-
8/20/24	1000	46	115,402,807	67,264	-	-	-
8/21/24	1000	46	115,469,621	66,813	-	-	-
8/22/24	1000	46	115,537,054	67,432	-	-	-
8/23/24	1000	73	115,642,226	105,172	12	6	24
8/24/24	1000	73	115,748,370	106,144	-	-	-
8/25/24	1000	71	115,851,974	103,603	-	-	-
8/26/24	1000	71	115,955,221	103,247	-	-	-
8/27/24	1000	71	116,057,705	102,483	12	6	24
8/28/24	1000	68	116,155,720	98,015	-	-	-
8/29/24	1000	67	116,253,018	97,297	-	-	-
8/30/24	1000	67	116,349,530	96,512	-	-	-
8/31/24	1000	68	116,448,406	98,876	-	-	-

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October 10, 2024

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow September 2024 and Quarterly Discharge Monitoring Report for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in the Monthly Flow September 2024 and Quarterly Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge form that presents the treatment system flow records for September 2024 from the BSA flow meter
- Data Summary Table for September 2024, including the compliance sampling results collected from the BSA outfall location and attached calculation sheet
- Data Summary Table for PFAS analysis of GWETS discharge
- Copy of the laboratory analysis report for the sample reported on the summary tables

Summary of BSA Compliance and Treatment Sample Analysis

The BSA compliance monitoring for the month of September 2024 included the following analysis:

- Total Extractable Hydrocarbons (TEH)
- pH
- Total Suspended Solids (TSS)
- Biochemical Oxygen Demand (BOD_5)
- PFAS

Eurofins Lancaster Laboratories reports Silica Gel Treated Hexane Extractable Material (SGT-HEM), which is equivalent to Total Petroleum Hydrocarbons (TPH), instead of TEH.

Three daily grab samples were taken on September 10, 11, and 12, 2024 and analyzed for TEH and pH. A grab discharge sample was also taken the day of September 12, 2024, for United States Environmental Protection Agency (USEPA) Test Method 624.1, including Toluene.

Summary of BSA Compliance and Treatment Sample Results

The following is a summary of the BSA Discharge Compliance sampling results for the month of September 2024:

- The TEH (SGT-HEM) data indicated that the treatment system was operating within discharge permit limits. For the three daily grab samples the detections of TEH (SGT-HEM) were non-detect.
- The pH result for the three daily grab samples ranged from 7.14-7.71.
- The 72-hour composite samples collected on September 12, 2024, indicated the treatment system was operating within discharge permit limits for TSS (ND) and BOD_5 (4.10 mg/L). The results of the grab sample for USEPA Method 624, collected on September 12, 2024, indicated a combined benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentration of 59.0 µg/L.
- Based upon the results of the sampling on September 12, 2024, the mass of toluene discharged from the treatment system to the BSA was calculated to be 0.0018 pounds. The total flow through the system on September 12, 2024, was 95,294 gallons.
- The discharge water from the OU-3 GWETS is sampled annually (September) for PFAS analysis for monitoring purposes and the results are presented in tabular format and included in the analytical data package.

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes were within permit limits. A total of **2,441,114** gallons of water was discharged to the BSA during the month of September 2024. The next quarterly sample will be collected in December of 2024, for submission in the January 2025 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (MPearson@kroggrp.com)
Megan Kuczka (Megan.Kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

LaBella

ESCP GWTF Performance Monitoring
Month: September 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate Avg. GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
9/1/24	1000	69	116,548,713	100,306	-	-	-
9/2/24	1000	70	116,650,282	101,568	-	-	-
9/3/24	1000	68	116,749,457	99,175	-	-	-
9/4/24	1000	68	116,848,367	98,910	-	-	-
9/5/24	1000	68	116,947,642	99,275	18	8	26
9/6/24	1000	69	117,047,352	99,709	-	-	-
9/7/24	1000	63	117,138,264	90,911	-	-	-
9/8/24	1000	64	117,231,468	93,204	-	-	-
9/9/24	1000	65	117,326,344	94,876	-	-	-
9/10/24	1000	66	117,422,003	95,658	-	-	-
9/11/24	1000	65	117,516,901	94,898	-	-	-
9/12/24	1000	66	117,612,195	95,294	-	-	-
9/13/24	1000	67	117,708,669	96,473	18	6	24
9/14/24	1000	66	117,804,533	95,864	-	-	-
9/15/24	1000	66	117,900,260	95,729	-	-	-
9/16/24	1000	67	117,997,018	96,758	-	-	-
9/17/24	1000	66	118,093,359	96,340	-	-	-
9/18/24	1000	66	118,189,253	95,894	-	-	-
9/19/24	1000	66	118,285,199	95,946	20	8	24
9/20/24	1000	62	118,375,902	90,703	-	-	-
9/21/24	1000	62	118,466,483	90,500	-	-	-
9/22/24	1000	62	118,556,021	89,617	-	-	-
9/23/24	1000	62	118,645,378	89,357	-	-	-
9/24/24	1000	60	118,732,445	87,067	20	8	20
9/25/24	1000	59	118,818,297	85,851	-	-	-
9/26/24	1000	59	118,903,711	85,414	-	-	-
9/27/24	1000	59	118,989,827	86,115	-	-	-
9/28/24	1000	-	-	-	-	-	-
9/29/24	1000	-	-	-	-	-	-
9/30/24	1000	-	-	-	-	-	-

\- GWETS down for cleaning/maintenance

Elk Strret Commerce Park
FORMER BUFFALO TERMINAL
BSA DISCHARGE MONITORING REPORT

MONTH: September 2024

ISSUED: October 2024

PROCESS WATER EFFLUENT

PARAMETER	DISCHARGE LIMITATIONS	SAMPLING FREQUENCY	DATE 9/12/24
USEPA TEST 624.1 (µg/L)	Monitor Only	Quarterly	Report
T.S.S. (mg/L)	250 mg/L	Quarterly	ND (4.0)
B.O.D. $_5$ (mg/L)	250 mg/L	Quarterly	4.10
TOLUENE (lb/day)	0.87 lb/day	Quarterly	0.0018

TOTAL MONTHLY FLOW: 2,441,114

METHOD 1664B / pH Results
BSA OUTFALL DAILY GRAB SAMPLES 9/10, 9/11, and 9/12/24

	9/10/24	9/11/24	9/12/24
SGT-HEM (Method 1664B)	ND (1.9)	ND (2.0)	ND (2.0)
pH	7.14	7.71	7.64

Notes:

1. "J" value is a result that is less than the reporting limit, but greater than or equal to the method detection limit and the concentration is an estimated value.
2. "ND" value is that the analyte is not detected.

CALCULATION FORM

CLIENT/PROJECT: Elk Street Commerce Park

PREPARED BY: ARJ **DATE:** 10/10/24

CHECKED BY: ARJ **DATE:** 10/10/24

DESCRIPTION: September 2024 DMR

EPA TEST 624.1
BSA OUTFALL SAMPLES 9/12/24

Benzene	49.00	µg/L	
Ethylbenzene	2.30	µg/L	(ND)
Toluene	2.30	µg/L	(ND)
Xylenes (Total)	5.40	µg/L	(ND)
Total:	59.00	µg/L	

Flow on 9/12/24: 95,294 gallons

Mass of toluene discharged (lb/day) =

$$0.00230 \frac{mg}{L} \times 95{,}294 \text{ gals} \times 0.000002205 \frac{lb}{mg} \times 3.785 \frac{L}{gal} = 0.0018 \text{ lb/day}$$

Table 1
Annual PFAS Detections Summary
ESCP OU-3 GWETS Effluent

Sample Date		9/24/2021		9/16/2022		9/15/2023		9/12/2024		NYSDEC Ambient Water Quality Guidance Values
Group	**Per- and Polyfluoroalkyl Subsances (PFAS) (ng/L)**									
Perfluoroalkyl carboxylates	Perfluorobutanoic acid (PFBA)	**15**		**23**		**55**		**8.0**	J	NL
	Perfluoropentanoic acid (PFPeA)	**14**		**13**		**18**		**17**		NL
	Perfluorohexanoic acid (PFHxA)	**15**		**13**		**16**		**14**		NL
	Perfluoroheptanoic acid (PFHpA)	**16**		**13**		**17.0**		**12**		NL
	Perfluorooctanoic acid (PFOA)	**22**		**23**		**25**		**41**		6.7
	Perfluorononanoic acid (PFNA)	**25**		**25**		**20**		**51**		NL
	Perfluorodecanoic acid (PFDA)	**2.4**		**2.0**		**3.4**		**2.2**		NL
	Perfluoroundecanoic acid (PFUA/PFUnA)	**2.1**		**2.7**		1.8	U	**3.5**		NL
	Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
	Perfluorotridecanoic acid (PFTriA/PFTrDA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
	Perfluorotetradecanoic acid (PFTA/PFTeA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
Perfluoroalkyl sulfonates	Perfluorobutanesulfonic acid (PFBS)	**3.3**		**3**		**4.4**		2.2	U	NL
	Perfluorohexanesulfonic acid (PFHxS)	**5.3**		**5.2**		**5.1**		**5.3**		NL
	Perfluoroheptanesulfonic acid (PFHpS)	1.7	U	1.7	U	1.8	U	2.2	U	NL
	Perfluorooctanesulfonic acid (PFOS)	**7.0**		**6.4**		**9.3**		**6.9**		2.7
	Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	U	1.8	U	2.2	U	NL
Fluorinated Telomer Sulfonates	6:2 Fluorotelomer sulfonate (6:2 FTS)	**2.1**	J	**2.0**	J	**1.8**	J	8.8	U	NL
	8:2 Fluorotelomer sulfonate (8:2 FTS)	**2.7**		**2.6**		**4.7**		**2.7**	J	NL
Perfluorooctane-sulfonamides	Perfluroroctanesulfonamide (PFOSA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
Perfluorooctane-sulfonamidoacetic acids	N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	4.1	U	4.3	U	4.5	U	2.2	U	NL
	N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	4.1	U	4.3	U	4.5	U	2.2	U	NL

NOTES:

ng/L - nanograms per liter or parts per trillion (ppt)

PFAs analyzed by USEPA Method 537 (modified)

U = The analyte was analyzed for but was not detected above the level of the associated reported quantitation limit.

NL = No Limit

BOLD = The analyte was detected above the level of the associated reorted quantitation limit

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

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JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-223345-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

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Authorization



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Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-223345-1

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 9/12/2024 2:20 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 10.3°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: BSA Day 1 Grab (480-223345-1) and BSA Day 2 Grab (480-223345-2). This does not meet regulatory requirements.

GC/MS VOA
Method 624.1_PREC: The continuing calibration verification (CCV) associated with batch 480-724962 recovered above the upper control limit for 1,2,4-Trichlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BSA Grab 1 (480-223345-4) and Trip Blank 1 (480-223345-6).

Method 624.1_PREC: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-724962 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: BSA Grab 1 (480-223345-4) and Trip Blank 1 (480-223345-6).

Method 624.1_PREC: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BSA Grab 1 (480-223345-4). 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.

PFAS
Method 1633: The following sample was collected in an improper container: BSA Oytfall - PFAS (480-223345-7). The laboratory was instructed to proceed with analysis.

Method 1633: The low level continuing calibration verification (CCVL) and continuing calibration verification (CCV) associated with batch 240-627188 recovered outside of control limits for IDA compound(s) (flagged). Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analyte(s) associated with this IDA are within spec, data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 1664B: Analysis for Hexane Extractable Material (HEM) was performed for the following samples: BSA Day 1 Grab (480-223345-1), BSA Day 2 Grab (480-223345-2) and BSA Day 3 Grab (480-223345-3). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BSA Day 1 Grab (480-223345-1), BSA Day 2 Grab (480-223345-2) and BSA Day 3 Grab (480-223345-3).

Job ID: 480-223345-1 (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 1 Grab

Lab Sample ID: 480-223345-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.14	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	17.7	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Day 2 Grab

Lab Sample ID: 480-223345-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	2.8	J	5.1	1.4	mg/L	1		1664B	Total/NA
pH	7.71	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	17.7	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Day 3 Grab

Lab Sample ID: 480-223345-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.64	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	17.5	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Grab 1

Lab Sample ID: 480-223345-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	4.5	J	25	2.7	ug/L	5		624.1	Total/NA
1,4-Dichlorobenzene	25		25	2.5	ug/L	5		624.1	Total/NA
Benzene	49		25	3.0	ug/L	5		624.1	Total/NA
Chlorobenzene	84		25	2.4	ug/L	5		624.1	Total/NA
Isopropylbenzene	9.1	J	25	2.6	ug/L	5		624.1	Total/NA
Methyl tert-butyl ether	16	J	25	1.8	ug/L	5		624.1	Total/NA
Methylene Chloride	6.7	J	25	4.1	ug/L	5		624.1	Total/NA

Client Sample ID: BSA Comp 1

Lab Sample ID: 480-223345-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	4.1		2.0	2.0	mg/L	1		SM 5210B	Total/NA

Client Sample ID: Trip Blank 1

Lab Sample ID: 480-223345-6

No Detections.

Client Sample ID: BSA Oytfall - PFAS

Lab Sample ID: 480-223345-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	8.0	J	8.8	2.3	ng/L	1		Draft-3 1633	Total/NA
Perfluoropentanoic acid (PFPeA)	17		4.4	1.1	ng/L	1		Draft-3 1633	Total/NA
Perfluorohexanoic acid (PFHxA)	14		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorooctanoic acid (PFOA)	41		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorononanoic acid (PFNA)	51		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorodecanoic acid (PFDA)	2.2		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.5		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.3		2.2	0.57	ng/L	1		Draft-3 1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.9		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.7	J	8.8	2.2	ng/L	1		Draft-3 1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 1 Grab

Date Collected: 09/10/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		4.8	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM (1664B)	ND		4.8	1.9	mg/L		09/13/24 08:05	09/13/24 09:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.14**	**HF**	0.100	0.100	SU			09/15/24 13:57	1
Temperature (SW846 9040C)	**17.7**	**HF**	0.00100	0.00100	Degrees C			09/15/24 13:57	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 2 Grab

Date Collected: 09/11/24 13:10
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	**2.8**	**J**	5.1	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM (1664B)	ND		5.1	2.0	mg/L		09/13/24 08:05	09/13/24 09:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.71**	**HF**	0.100	0.100	SU			09/15/24 13:57	1
Temperature (SW846 9040C)	**17.7**	**HF**	0.00100	0.00100	Degrees C			09/15/24 13:57	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 3 Grab

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		5.1	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM (1664B)	ND		5.1	2.0	mg/L		09/13/24 08:05	09/13/24 09:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.64**	**HF**	0.100	0.100	SU			09/15/24 13:57	1
Temperature (SW846 9040C)	**17.5**	**HF**	0.00100	0.00100	Degrees C			09/15/24 13:57	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Grab 1

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-4

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	1.9	ug/L			09/13/24 01:28	5
1,1,2,2-Tetrachloroethane	ND		25	1.3	ug/L			09/13/24 01:28	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	1.8	ug/L			09/13/24 01:28	5
1,1,2-Trichloroethane	ND		25	2.4	ug/L			09/13/24 01:28	5
1,1-Dichloroethane	ND		25	2.9	ug/L			09/13/24 01:28	5
1,1-Dichloroethene	ND		25	4.3	ug/L			09/13/24 01:28	5
1,2,4-Trichlorobenzene	ND	*+	25	2.0	ug/L			09/13/24 01:28	5
1,2-Dibromo-3-Chloropropane	ND		25	3.1	ug/L			09/13/24 01:28	5
1,2-Dibromoethane	ND		25	2.5	ug/L			09/13/24 01:28	5
1,2-Dichlorobenzene	ND		25	2.2	ug/L			09/13/24 01:28	5
1,2-Dichloroethane	ND		25	3.0	ug/L			09/13/24 01:28	5
1,2-Dichloropropane	ND		25	3.1	ug/L			09/13/24 01:28	5
1,3-Dichlorobenzene	**4.5**	**J**	25	2.7	ug/L			09/13/24 01:28	5
1,4-Dichlorobenzene	**25**		25	2.5	ug/L			09/13/24 01:28	5
2-Butanone (MEK)	ND		130	8.8	ug/L			09/13/24 01:28	5
2-Hexanone	ND		130	9.8	ug/L			09/13/24 01:28	5
4-Methyl-2-pentanone (MIBK)	ND		130	6.5	ug/L			09/13/24 01:28	5
Acetone	ND		130	9.9	ug/L			09/13/24 01:28	5
Benzene	**49**		25	3.0	ug/L			09/13/24 01:28	5
Bromodichloromethane	ND		25	2.7	ug/L			09/13/24 01:28	5
Bromoform	ND		25	2.3	ug/L			09/13/24 01:28	5
Bromomethane	ND		25	6.0	ug/L			09/13/24 01:28	5
Carbon disulfide	ND		25	1.4	ug/L			09/13/24 01:28	5
Carbon tetrachloride	ND		25	2.6	ug/L			09/13/24 01:28	5
Chlorobenzene	**84**		25	2.4	ug/L			09/13/24 01:28	5
Chloroethane	ND		25	4.4	ug/L			09/13/24 01:28	5
Chloroform	ND		25	2.7	ug/L			09/13/24 01:28	5
Chloromethane	ND		25	3.2	ug/L			09/13/24 01:28	5
cis-1,2-Dichloroethene	ND		25	2.9	ug/L			09/13/24 01:28	5
cis-1,3-Dichloropropene	ND		25	1.7	ug/L			09/13/24 01:28	5
Dibromochloromethane	ND		25	2.1	ug/L			09/13/24 01:28	5
Dichlorodifluoromethane	ND		25	1.4	ug/L			09/13/24 01:28	5
Ethylbenzene	ND		25	2.3	ug/L			09/13/24 01:28	5
Isopropylbenzene	**9.1**	**J**	25	2.6	ug/L			09/13/24 01:28	5
Methyl tert-butyl ether	**16**	**J**	25	1.8	ug/L			09/13/24 01:28	5
Methylene Chloride	**6.7**	**J**	25	4.1	ug/L			09/13/24 01:28	5
Styrene	ND		25	1.9	ug/L			09/13/24 01:28	5
Tetrachloroethene	ND		25	1.7	ug/L			09/13/24 01:28	5
Toluene	ND		25	2.3	ug/L			09/13/24 01:28	5
trans-1,2-Dichloroethene	ND		25	2.9	ug/L			09/13/24 01:28	5
trans-1,3-Dichloropropene	ND		25	2.2	ug/L			09/13/24 01:28	5
Trichloroethene	ND		25	3.0	ug/L			09/13/24 01:28	5
Trichlorofluoromethane	ND		25	2.2	ug/L			09/13/24 01:28	5
Vinyl chloride	ND		25	3.7	ug/L			09/13/24 01:28	5
Xylenes, Total	ND		50	5.4	ug/L			09/13/24 01:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*09/13/24 01:28*	*5*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*09/13/24 01:28*	*5*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/24 01:28*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Grab 1
Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-4
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*106*		*77 - 120*		*09/13/24 01:28*	*5*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Comp 1

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-5

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM 5210B)	**4.1**		2.0	2.0	mg/L			09/13/24 12:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0	4.0	mg/L			09/13/24 13:05	1

Client Sample ID: Trip Blank 1

Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-6

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/13/24 01:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			09/13/24 01:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			09/13/24 01:52	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/13/24 01:52	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/13/24 01:52	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			09/13/24 01:52	1
1,2,4-Trichlorobenzene	ND	*+	5.0	0.39	ug/L			09/13/24 01:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			09/13/24 01:52	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			09/13/24 01:52	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			09/13/24 01:52	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/13/24 01:52	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			09/13/24 01:52	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			09/13/24 01:52	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			09/13/24 01:52	1
2-Butanone (MEK)	ND		25	1.8	ug/L			09/13/24 01:52	1
2-Hexanone	ND		25	2.0	ug/L			09/13/24 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			09/13/24 01:52	1
Acetone	ND		25	2.0	ug/L			09/13/24 01:52	1
Benzene	ND		5.0	0.60	ug/L			09/13/24 01:52	1
Bromodichloromethane	ND		5.0	0.54	ug/L			09/13/24 01:52	1
Bromoform	ND		5.0	0.47	ug/L			09/13/24 01:52	1
Bromomethane	ND		5.0	1.2	ug/L			09/13/24 01:52	1
Carbon disulfide	ND		5.0	0.29	ug/L			09/13/24 01:52	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/13/24 01:52	1
Chlorobenzene	ND		5.0	0.48	ug/L			09/13/24 01:52	1
Chloroethane	ND		5.0	0.87	ug/L			09/13/24 01:52	1
Chloroform	ND		5.0	0.54	ug/L			09/13/24 01:52	1
Chloromethane	ND		5.0	0.64	ug/L			09/13/24 01:52	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			09/13/24 01:52	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			09/13/24 01:52	1
Dibromochloromethane	ND		5.0	0.41	ug/L			09/13/24 01:52	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			09/13/24 01:52	1
Ethylbenzene	ND		5.0	0.46	ug/L			09/13/24 01:52	1
Isopropylbenzene	ND		5.0	0.51	ug/L			09/13/24 01:52	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			09/13/24 01:52	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/13/24 01:52	1
Styrene	ND		5.0	0.38	ug/L			09/13/24 01:52	1
Tetrachloroethene	ND		5.0	0.34	ug/L			09/13/24 01:52	1
Toluene	ND		5.0	0.45	ug/L			09/13/24 01:52	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			09/13/24 01:52	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			09/13/24 01:52	1
Trichloroethene	ND		5.0	0.60	ug/L			09/13/24 01:52	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			09/13/24 01:52	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/13/24 01:52	1
Xylenes, Total	ND		10	1.1	ug/L			09/13/24 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*09/13/24 01:52*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*		*09/13/24 01:52*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/13/24 01:52*	*1*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: Trip Blank 1
Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-6
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		77 - 120		09/13/24 01:52	1

Client Sample ID: BSA Oytfall - PFAS

Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-7

Matrix: Water

Method: EPA Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**8.0**	**J**	8.8	2.3	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoropentanoic acid (PFPeA)	**17**		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorohexanoic acid (PFHxA)	**14**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoroheptanoic acid (PFHpA)	**12**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorooctanoic acid (PFOA)	**41**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorononanoic acid (PFNA)	**51**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorodecanoic acid (PFDA)	**2.2**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoroundecanoic acid (PFUnA)	**3.5**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorododecanoic acid (PFDoA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorohexanesulfonic acid (PFHxS)	**5.3**		2.2	0.57	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorooctanesulfonic acid (PFOS)	**6.9**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorononanesulfonic acid (PFNS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**2.7**	**J**	8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.2	0.68	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.2	0.57	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		22	5.5	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		22	5.5	ng/L		09/16/24 08:32	09/17/24 00:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		4.4	1.3	ng/L		09/16/24 08:32	09/17/24 00:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1

Client Sample ID: BSA Oytfall - PFAS

Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-7

Matrix: Water

Method: EPA Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		11	2.7	ng/L		09/16/24 08:32	09/17/24 00:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		55	14	ng/L		09/16/24 08:32	09/17/24 00:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		55	16	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.8*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C5 PFPeA	*77.6*		*35 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C5 PFHxA	*69.2*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C4 PFHpA	*96.9*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C8 PFOA	*67.7*		*60 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C9 PFNA	*107*		*55 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C6 PFDA	*109*		*50 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C7 PFUnA	*97.0*		*30 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C2 PFTeDA	*69.8*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C3 PFBS	*86.9*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C3 PFHxS	*90.0*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C8 PFOS	*87.9*		*45 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C8 PFOSA	*83.4*		*30 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d3-NMeFOSAA	*56.2*		*45 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d5-NEtFOSAA	*63.2*		*10 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
M2-4:2 FTS	*72.5*		*60 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
M2-6:2 FTS	*77.3*		*60 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
M2-8:2 FTS	*90.3*		*50 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C3 HFPO-DA	*72.3*		*25 - 160*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d7-N-MeFOSE-M	*71.9*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d9-N-EtFOSE-M	*66.5*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d5-NEtPFOSA	*54.0*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
D3-NMeFOSA	*62.0*		*15 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C2-PFDoDA	*85.6*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-223345-4	BSA Grab 1	107	98	104	106
480-223345-6	Trip Blank 1	105	95	99	106
LCS 480-724962/6	Lab Control Sample	106	98	105	106
MB 480-724962/8	Method Blank	104	97	99	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(35-150)	(55-150)	(55-150)	(60-140)	(55-140)	(50-140)	(30-140)
480-223345-7	BSA Oytfall - PFAS	86.8	77.6	69.2	96.9	67.7	107	109	97.0
MB 240-627062/1-A	Method Blank	87.1	74.2	73.8	76.9	81.9	97.4	106	97.0

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(55-150)	(55-150)	(45-140)	(30-130)	(45-200)	(10-200)	(60-200)
480-223345-7	BSA Oytfall - PFAS	69.8	86.9	90.0	87.9	83.4	56.2	63.2	72.5
MB 240-627062/1-A	Method Blank	68.8	98.7	96.4	96.4	91.8	96.4	101	130

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(60-200)	(50-200)	(25-160)	(10-150)	(10-150)	(10-130)	(15-130)	(10-150)
480-223345-7	BSA Oytfall - PFAS	77.3	90.3	72.3	71.9	66.5	54.0	62.0	85.6
MB 240-627062/1-A	Method Blank	127	118	75.4	86.7	76.3	64.9	67.0	90.0

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = D3-NMeFOSA
PFDoDA = 13C2-PFDoDA

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(40-150)	(40-150)	(40-150)	(30-140)	(30-140)	(20-140)	(20-140)
LCS 240-627062/3-A	Lab Control Sample	82.3	73.2	71.3	76.2	85.7	87.4	90.9	102
LLCS 240-627062/2-A	Lab Control Sample	84.3	73.7	73.0	72.0	79.1	89.0	103	90.3

Isotope Dilution Summary

Client: LaBella Associates DPC
Job ID: 480-223345-1
Project/Site: (ESCP) Elk St Job# 2231211

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (25-150)	C3PFHS (25-150)	C8PFOS (20-140)	PFOSA (10-130)	d3NMFOS (10-200)	d5NEFOS (10-200)	M242FTS (25-200)
LCS 240-627062/3-A	Lab Control Sample	76.7	90.6	89.2	88.3	82.0	82.0	92.5	127
LLCS 240-627062/2-A	Lab Control Sample	67.5	97.8	91.6	90.6	86.2	89.2	91.8	135

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (25-200)	M282FTS (25-200)	HFPODA (25-160)	NMFM (10-150)	NEFM (10-150)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDoDA (10-150)
LCS 240-627062/3-A	Lab Control Sample	117	115	72.8	73.6	75.3	59.8	60.9	86.1
LLCS 240-627062/2-A	Lab Control Sample	122	113	74.1	78.3	79.3	60.8	65.9	95.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = D3-NMeFOSA
PFDoDA = 13C2-PFDoDA

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-724962/8
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/12/24 20:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			09/12/24 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			09/12/24 20:35	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/12/24 20:35	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/12/24 20:35	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			09/12/24 20:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.39	ug/L			09/12/24 20:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			09/12/24 20:35	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			09/12/24 20:35	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			09/12/24 20:35	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/12/24 20:35	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			09/12/24 20:35	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			09/12/24 20:35	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			09/12/24 20:35	1
2-Butanone (MEK)	ND		25	1.8	ug/L			09/12/24 20:35	1
2-Hexanone	ND		25	2.0	ug/L			09/12/24 20:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			09/12/24 20:35	1
Acetone	ND		25	2.0	ug/L			09/12/24 20:35	1
Benzene	ND		5.0	0.60	ug/L			09/12/24 20:35	1
Bromodichloromethane	ND		5.0	0.54	ug/L			09/12/24 20:35	1
Bromoform	ND		5.0	0.47	ug/L			09/12/24 20:35	1
Bromomethane	ND		5.0	1.2	ug/L			09/12/24 20:35	1
Carbon disulfide	ND		5.0	0.29	ug/L			09/12/24 20:35	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/12/24 20:35	1
Chlorobenzene	ND		5.0	0.48	ug/L			09/12/24 20:35	1
Chloroethane	ND		5.0	0.87	ug/L			09/12/24 20:35	1
Chloroform	ND		5.0	0.54	ug/L			09/12/24 20:35	1
Chloromethane	ND		5.0	0.64	ug/L			09/12/24 20:35	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			09/12/24 20:35	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			09/12/24 20:35	1
Dibromochloromethane	ND		5.0	0.41	ug/L			09/12/24 20:35	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			09/12/24 20:35	1
Ethylbenzene	ND		5.0	0.46	ug/L			09/12/24 20:35	1
Isopropylbenzene	ND		5.0	0.51	ug/L			09/12/24 20:35	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			09/12/24 20:35	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/12/24 20:35	1
Styrene	ND		5.0	0.38	ug/L			09/12/24 20:35	1
Tetrachloroethene	ND		5.0	0.34	ug/L			09/12/24 20:35	1
Toluene	ND		5.0	0.45	ug/L			09/12/24 20:35	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			09/12/24 20:35	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			09/12/24 20:35	1
Trichloroethene	ND		5.0	0.60	ug/L			09/12/24 20:35	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			09/12/24 20:35	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/12/24 20:35	1
Xylenes, Total	ND		10	1.1	ug/L			09/12/24 20:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*09/12/24 20:35*	*1*

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-724962/8
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		76 - 123		09/12/24 20:35	1
Dibromofluoromethane (Surr)	99		75 - 123		09/12/24 20:35	1
Toluene-d8 (Surr)	107		77 - 120		09/12/24 20:35	1

Lab Sample ID: LCS 480-724962/6
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.4		ug/L		112	52 - 162
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	46 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.9		ug/L		110	50 - 150
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	52 - 150
1,1-Dichloroethane	20.0	21.1		ug/L		106	59 - 155
1,1-Dichloroethene	20.0	21.5		ug/L		108	1 - 234
1,2,4-Trichlorobenzene	20.0	27.7	*+	ug/L		138	56 - 128
1,2-Dibromo-3-Chloropropane	20.0	23.4		ug/L		117	44 - 138
1,2-Dibromoethane	20.0	20.1		ug/L		100	77 - 124
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	18 - 190
1,2-Dichloroethane	20.0	21.4		ug/L		107	49 - 155
1,2-Dichloropropane	20.0	19.1		ug/L		96	1 - 210
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	59 - 156
1,4-Dichlorobenzene	20.0	20.1		ug/L		100	18 - 190
2-Butanone (MEK)	100	116		ug/L		116	57 - 140
2-Hexanone	100	95.3		ug/L		95	50 - 150
4-Methyl-2-pentanone (MIBK)	100	110		ug/L		110	50 - 150
Acetone	100	142		ug/L		142	21 - 161
Benzene	20.0	20.3		ug/L		101	37 - 151
Bromodichloromethane	20.0	19.4		ug/L		97	35 - 155
Bromoform	20.0	21.2		ug/L		106	45 - 169
Bromomethane	20.0	24.7		ug/L		124	1 - 242
Carbon disulfide	20.0	20.4		ug/L		102	49 - 145
Carbon tetrachloride	20.0	22.1		ug/L		110	70 - 140
Chlorobenzene	20.0	20.3		ug/L		101	37 - 160
Chloroethane	20.0	23.3		ug/L		117	14 - 230
Chloroform	20.0	21.1		ug/L		106	51 - 138
Chloromethane	20.0	20.0		ug/L		100	1 - 273
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	50 - 150
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	1 - 227
Dibromochloromethane	20.0	22.0		ug/L		110	53 - 149
Dichlorodifluoromethane	20.0	21.6		ug/L		108	59 - 135
Ethylbenzene	20.0	20.2		ug/L		101	37 - 162
Isopropylbenzene	20.0	18.1		ug/L		91	68 - 133
Methyl tert-butyl ether	20.0	22.1		ug/L		111	78 - 118
Methylene Chloride	20.0	21.5		ug/L		108	1 - 221
Styrene	20.0	19.7		ug/L		98	50 - 150
Tetrachloroethene	20.0	21.7		ug/L		108	64 - 148
Toluene	20.0	21.1		ug/L		105	47 - 150

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-724962/6
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	54 - 156
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	17 - 183
Trichloroethene	20.0	20.0		ug/L		100	71 - 157
Trichlorofluoromethane	20.0	22.8		ug/L		114	17 - 181
Vinyl chloride	20.0	23.6		ug/L		118	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*106*		*77 - 120*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		8.0	2.1	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoropentanoic acid (PFPeA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.52	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.62	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.52	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		20	5.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		20	5.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		4.0	1.2	ng/L		09/16/24 08:32	09/16/24 21:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		10	2.5	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		50	13	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		50	15	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87.1*		*10 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C5 PFPeA	*74.2*		*35 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C5 PFHxA	*73.8*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C4 PFHpA	*76.9*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOA	*81.9*		*60 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C9 PFNA	*97.4*		*55 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C6 PFDA	*106*		*50 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C7 PFUnA	*97.0*		*30 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C2 PFTeDA	*68.8*		*10 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 PFBS	*98.7*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 PFHxS	*96.4*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOS	*96.4*		*45 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOSA	*91.8*		*30 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d3-NMeFOSAA	*96.4*		*45 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d5-NEtFOSAA	*101*		*10 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-4:2 FTS	*130*		*60 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-6:2 FTS	*127*		*60 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-8:2 FTS	*118*		*50 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 HFPO-DA	*75.4*		*25 - 160*	*09/16/24 08:32*	*09/16/24 21:17*	*1*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	86.7		10 - 150	09/16/24 08:32	09/16/24 21:17	1
d9-N-EtFOSE-M	76.3		10 - 150	09/16/24 08:32	09/16/24 21:17	1
d5-NEtPFOSA	64.9		10 - 130	09/16/24 08:32	09/16/24 21:17	1
D3-NMeFOSA	67.0		15 - 130	09/16/24 08:32	09/16/24 21:17	1
13C2-PFDoDA	90.0		10 - 150	09/16/24 08:32	09/16/24 21:17	1

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	97.7		ng/L		98	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	51.6		ng/L		103	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	27.6		ng/L		110	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	24.8		ng/L		99	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	27.0		ng/L		108	52 - 161
Perfluorononanoic acid (PFNA)	25.0	25.2		ng/L		101	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	27.2		ng/L		109	52 - 147
Perfluoroundecanoic acid (PFUnA)	25.0	20.2		ng/L		81	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	24.4		ng/L		98	64 - 142
Perfluorotridecanoic acid (PFTrDA)	25.0	21.5		ng/L		86	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	24.2		ng/L		97	47 - 161
Perfluorobutanesulfonic acid (PFBS)	22.1	22.4		ng/L		101	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	25.3		ng/L		108	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	24.7		ng/L		109	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.8	23.2		ng/L		97	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.2	22.1		ng/L		95	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.0	22.6		ng/L		94	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.2	19.1		ng/L		79	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.4	84.1		ng/L		90	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	94.8	86.8		ng/L		92	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	95.8	87.8		ng/L		92	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	26.7		ng/L		107	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	29.5		ng/L		118	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	27.8		ng/L		111	65 - 139

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	26.3		ng/L		105	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	22.8		ng/L		91	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	257		ng/L		103	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	258		ng/L		103	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	91.9		ng/L		92	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.2	101		ng/L		107	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	49.3		ng/L		99	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	54.9		ng/L		110	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	93.2	90.8		ng/L		97	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.2	87.9		ng/L		93	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	44.5	47.8		ng/L		108	56 - 151
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	111		ng/L		89	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	480		ng/L		77	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	550		ng/L		88	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	22.9		ng/L		95	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	50.0	48.1		ng/L		96	51 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*82.3*		*10 - 130*
13C5 PFPeA	*73.2*		*40 - 150*
13C5 PFHxA	*71.3*		*40 - 150*
13C4 PFHpA	*76.2*		*40 - 150*
13C8 PFOA	*85.7*		*30 - 140*
13C9 PFNA	*87.4*		*30 - 140*
13C6 PFDA	*90.9*		*20 - 140*
13C7 PFUnA	*102*		*20 - 140*
13C2 PFTeDA	*76.7*		*10 - 130*
13C3 PFBS	*90.6*		*25 - 150*
13C3 PFHxS	*89.2*		*25 - 150*
13C8 PFOS	*88.3*		*20 - 140*
13C8 PFOSA	*82.0*		*10 - 130*
d3-NMeFOSAA	*82.0*		*10 - 200*
d5-NEtFOSAA	*92.5*		*10 - 200*
M2-4:2 FTS	*127*		*25 - 200*
M2-6:2 FTS	*117*		*25 - 200*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-8:2 FTS	115		25 - 200
13C3 HFPO-DA	72.8		25 - 160
d7-N-MeFOSE-M	73.6		10 - 150
d9-N-EtFOSE-M	75.3		10 - 150
d5-NEtPFOSA	59.8		10 - 130
D3-NMeFOSA	60.9		10 - 130
13C2-PFDoDA	86.1		10 - 150

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.23		ng/L		103	44 - 157
Perfluoropentanoic acid (PFPeA)	4.00	4.40		ng/L		110	57 - 148
Perfluorohexanoic acid (PFHxA)	2.00	2.20		ng/L		110	62 - 149
Perfluoroheptanoic acid (PFHpA)	2.00	2.31		ng/L		116	56 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.42		ng/L		121	57 - 161
Perfluorononanoic acid (PFNA)	2.00	2.12		ng/L		106	53 - 157
Perfluorodecanoic acid (PFDA)	2.00	2.17		ng/L		109	43 - 158
Perfluoroundecanoic acid (PFUnA)	2.00	2.05		ng/L		103	50 - 155
Perfluorododecanoic acid (PFDoA)	2.00	1.96	J	ng/L		98	60 - 141
Perfluorotridecanoic acid (PFTrDA)	2.00	1.91	J	ng/L		96	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	2.00	2.41		ng/L		121	52 - 156
Perfluorobutanesulfonic acid (PFBS)	1.77	1.82	J	ng/L		103	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	2.22		ng/L		118	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	2.31		ng/L		127	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.90	2.10		ng/L		110	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.83	J	ng/L		99	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	2.04		ng/L		106	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.49	J	ng/L		77	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.21	J	ng/L		97	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	7.51	J	ng/L		99	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	7.64	J	ng/L		100	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.30		ng/L		115	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.40		ng/L		120	54 - 155

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.38		ng/L		119	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.23		ng/L		112	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.00		ng/L		100	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.6	J	ng/L		98	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.8	J	ng/L		99	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	8.26		ng/L		103	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.54	8.57		ng/L		114	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.08		ng/L		102	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.17		ng/L		104	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	7.46	7.59	J	ng/L		102	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	7.54	7.17	J	ng/L		95	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.56	4.00		ng/L		112	56 - 144
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	9.39	J	ng/L		94	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	41.4	J	ng/L		83	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	43.1	J	ng/L		86	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	1.85	J	ng/L		96	50 - 144
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.18		ng/L		105	48 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*84.3*		*10 - 130*
13C5 PFPeA	*73.7*		*40 - 150*
13C5 PFHxA	*73.0*		*40 - 150*
13C4 PFHpA	*72.0*		*40 - 150*
13C8 PFOA	*79.1*		*30 - 140*
13C9 PFNA	*89.0*		*30 - 140*
13C6 PFDA	*103*		*20 - 140*
13C7 PFUnA	*90.3*		*20 - 140*
13C2 PFTeDA	*67.5*		*10 - 130*
13C3 PFBS	*97.8*		*25 - 150*
13C3 PFHxS	*91.6*		*25 - 150*
13C8 PFOS	*90.6*		*20 - 140*
13C8 PFOSA	*86.2*		*10 - 130*
d3-NMeFOSAA	*89.2*		*10 - 200*
d5-NEtFOSAA	*91.8*		*10 - 200*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
M2-4:2 FTS	*135*		*25 - 200*
M2-6:2 FTS	*122*		*25 - 200*
M2-8:2 FTS	*113*		*25 - 200*
13C3 HFPO-DA	*74.1*		*25 - 160*
d7-N-MeFOSE-M	*78.3*		*10 - 150*
d9-N-EtFOSE-M	*79.3*		*10 - 150*
d5-NEtPFOSA	*60.8*		*10 - 130*
D3-NMeFOSA	*65.9*		*10 - 130*
13C2-PFDoDA	*95.7*		*10 - 150*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-724995/1-A
Matrix: Water
Analysis Batch: 725018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM	ND		5.0	1.9	mg/L		09/13/24 08:05	09/13/24 09:02	1

Lab Sample ID: LCS 480-724995/2-A
Matrix: Water
Analysis Batch: 725018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	34.80		mg/L		87	78 - 114
SGT-HEM	20.0	17.40		mg/L		87	64 - 132

Method: 9040C - pH

Lab Sample ID: LCS 480-725154/1
Matrix: Water
Analysis Batch: 725154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.050		SU		101	99 - 101

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-725067/1
Matrix: Water
Analysis Batch: 725067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/13/24 13:05	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 480-725067/2
Matrix: Water
Analysis Batch: 725067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	251	244.8		mg/L		98	88 - 110

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-725122/1
Matrix: Water
Analysis Batch: 725122

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/13/24 12:37	1

Lab Sample ID: LCS 480-725122/2
Matrix: Water
Analysis Batch: 725122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	196.7		mg/L		100	85 - 115

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

GC/MS VOA

Analysis Batch: 724962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-4	BSA Grab 1	Total/NA	Water	624.1	
480-223345-6	Trip Blank 1	Total/NA	Water	624.1	
MB 480-724962/8	Method Blank	Total/NA	Water	624.1	
LCS 480-724962/6	Lab Control Sample	Total/NA	Water	624.1	

LCMS

Prep Batch: 627062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-7	BSA Oytfall - PFAS	Total/NA	Water	1633	
MB 240-627062/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-627062/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-627062/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 627188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-7	BSA Oytfall - PFAS	Total/NA	Water	Draft-3 1633	627062
MB 240-627062/1-A	Method Blank	Total/NA	Water	Draft-3 1633	627062
LCS 240-627062/3-A	Lab Control Sample	Total/NA	Water	Draft-3 1633	627062
LLCS 240-627062/2-A	Lab Control Sample	Total/NA	Water	Draft-3 1633	627062

General Chemistry

Prep Batch: 724995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-1	BSA Day 1 Grab	Total/NA	Water	1664B	
480-223345-2	BSA Day 2 Grab	Total/NA	Water	1664B	
480-223345-3	BSA Day 3 Grab	Total/NA	Water	1664B	
MB 480-724995/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-724995/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 725018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-1	BSA Day 1 Grab	Total/NA	Water	1664B	724995
480-223345-2	BSA Day 2 Grab	Total/NA	Water	1664B	724995
480-223345-3	BSA Day 3 Grab	Total/NA	Water	1664B	724995
MB 480-724995/1-A	Method Blank	Total/NA	Water	1664B	724995
LCS 480-724995/2-A	Lab Control Sample	Total/NA	Water	1664B	724995

Analysis Batch: 725067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-5	BSA Comp 1	Total/NA	Water	SM 2540D	
MB 480-725067/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-725067/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 725122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-5	BSA Comp 1	Total/NA	Water	SM 5210B	
USB 480-725122/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-725122/2	Lab Control Sample	Total/NA	Water	SM 5210B	

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

General Chemistry

Analysis Batch: 725154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-1	BSA Day 1 Grab	Total/NA	Water	9040C	
480-223345-2	BSA Day 2 Grab	Total/NA	Water	9040C	
480-223345-3	BSA Day 3 Grab	Total/NA	Water	9040C	
LCS 480-725154/1	Lab Control Sample	Total/NA	Water	9040C	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 1 Grab

Date Collected: 09/10/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			724995	KM	EET BUF	09/13/24 08:05
Total/NA	Analysis	1664B		1	725018	KM	EET BUF	09/13/24 09:02
Total/NA	Analysis	9040C		1	725154	KB	EET BUF	09/15/24 13:57

Client Sample ID: BSA Day 2 Grab

Date Collected: 09/11/24 13:10
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			724995	KM	EET BUF	09/13/24 08:05
Total/NA	Analysis	1664B		1	725018	KM	EET BUF	09/13/24 09:02
Total/NA	Analysis	9040C		1	725154	KB	EET BUF	09/15/24 13:57

Client Sample ID: BSA Day 3 Grab

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			724995	KM	EET BUF	09/13/24 08:05
Total/NA	Analysis	1664B		1	725018	KM	EET BUF	09/13/24 09:02
Total/NA	Analysis	9040C		1	725154	KB	EET BUF	09/15/24 13:57

Client Sample ID: BSA Grab 1

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	724962	AXK	EET BUF	09/13/24 01:28

Client Sample ID: BSA Comp 1

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540D		1	725067	AB	EET BUF	09/13/24 13:05
Total/NA	Analysis	SM 5210B		1	725122	KO	EET BUF	09/13/24 12:37

Client Sample ID: Trip Blank 1

Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	724962	AXK	EET BUF	09/13/24 01:52

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Oytfall - PFAS

Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			627062	JVB4	EET CLE	09/16/24 08:32
Total/NA	Analysis	Draft-3 1633		1	627188	MRL	EET CLE	09/17/24 00:27

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	1,2,4-Trichlorobenzene
624.1		Water	1,2-Dibromo-3-Chloropropane
624.1		Water	1,2-Dibromoethane
624.1		Water	2-Butanone (MEK)
624.1		Water	2-Hexanone
624.1		Water	4-Methyl-2-pentanone (MIBK)
624.1		Water	Carbon disulfide
624.1		Water	Isopropylbenzene
9040C		Water	pH
9040C		Water	Temperature

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24 *
West Virginia DEP	State	210	12-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
Draft-3 1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
1664B	HEM and SGT-HEM	1664B	EET BUF
9040C	pH	SW846	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 5210B	BOD, 5-Day	SM	EET BUF
1633	Solid-Phase Extraction (SPE)	EPA	EET CLE
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223345-1	BSA Day 1 Grab	Water	09/10/24 13:00	09/12/24 14:20
480-223345-2	BSA Day 2 Grab	Water	09/11/24 13:10	09/12/24 14:20
480-223345-3	BSA Day 3 Grab	Water	09/12/24 13:00	09/12/24 14:20
480-223345-4	BSA Grab 1	Water	09/12/24 13:00	09/12/24 14:20
480-223345-5	BSA Comp 1	Water	09/12/24 13:00	09/12/24 14:20
480-223345-6	Trip Blank 1	Water	09/12/24 00:00	09/12/24 14:20
480-223345-7	BSA Oytfall - PFAS	Water	09/12/24 00:00	09/12/24 14:20

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins
Environment Testing
TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 9/12/24	COC No:
LaBella	Tel: 716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	Analysis Turnaround Time			Sampler: Brent Miller
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
716-551-6281	TAT if different from Below			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O #~~2231211~~ 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	5210B-BOD	2540D-TSS	624.1_PREC-624 TCL list	1664B-TPH	9040C-pH	PFC, EPA Hdks (21)	Sample Specific Notes:
								N	N	2	1	N		
BSA DAY 1 GRAB	9/10/24	1300	G	W	2						1	1		
BSA DAY 2 GRAB	9/11/24	1310	G	W	2						1	1		
BSA DAY 3 GRAB	9/12/24	1300	G	W	2						1	1		
BSA GRAB 1	9/12/24	1300	G	W	3					3				
BSA COMP. 1	9/12/24	1300	C	W	5			1	1					
TRIP BLANK 1	—	—		W	2					2				
BSA Outfall - PFAS	9/12/24		G	W	3 7 ARS								1	

480-223345 Chain of Custody

Page 38 of 43

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

10.3 #1 no ice

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Carly Rupka		9/12/24 15:45	YYS		9-12-24 1720
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

9/20/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Fischer Brian J	Carrier Tracking No(s):	COC No: 480-89397 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian Fischer@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 480-223345-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 9/25/2024			Preservation Codes:
City: Barberton	TAT Requested (days):			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: (ESCP) Elk St Job# 2231211	Project #: 48021585			
Site:	SSOW#:			Other:

Analysis Requested

Sample Identification Client ID (Lab ID)	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)	1633/1633_SPE 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
BSA Oytfall PFAS (480-223345-7)	9/12/24	Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	9/13/24 1600	TA	[signature]	9/14/24 930	Eurofins
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Interlab Site Name
Cooler Received on 9/14/24 Opened on 9/14/24
Cooler unpacked by: TF

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EUK0 Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. 2.6 °C Corrected Cooler Temp 2.5 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	Yes No (NA)	
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	
4. Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/(N)), # of containers ((Y)/N), and sample type of grab/comp((Y)/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12. Are these work share samples and all listed on the COC?	(Yes) No	
If yes, Questions 13-17 have been checked at the originating laboratory.		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA	pH Strip Lot# HC442471
14 Were VOAs on the COC?	Yes No	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot#	Yes No	
17 Was a LL Hg or Me Hg trip blank present?	Yes No	

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen.

FedEx

448 1
12:00
4596
447
26x10x14 IN

SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE

BUFFALO, NY 142282223
UNITED STATES US

BILL SENDER

Part # 159469-434 MTW EXP 01/25

TO **SAMPLE RECEIPT**
EUROFINS CLEVELAND
180 S VAN BUREN AVE

BARBERTON OH 442033543
(330) 497-9396
REF: BARBERTON

FedEx Express

J12102311/2001

TRK# 0201 **7463 0658 4596**

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO CAKA

44203
OH-US **CLE**

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-223345-1

Login Number: 223345
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is recorded.	True	10.3 31 no 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	Labella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-223345-1

Login Number: 223345
List Number: 2
Creator: Foltyn, Tristan

List Source: Eurofins Cleveland
List Creation: 09/14/24 10:32 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

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November 1, 2024

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow October 2024 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow October 2024 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for October 2024 from the BSA flowmeter
- Analytical data package from the GWETS restart on October 9, 2024

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for October 2024 were within permit limits. A total of **1,751,194** gallons were discharged to the BSA during the month of October 2024. The next quarterly sample will be collected in December of 2024, for submission in the January 2024 report.

Treatment System Maintenance

The week of September 30, 2024, the semi-annual cleaning event was conducted of the GWETS components and equipment. The GWETS was down until October 9, 2024, to conduct the cleaning and perform maintenance to OWS-1 and the air sparge tanks. Start-up discharge sampling was conducted using a daily composite sample from 10/8-10/9/24, per BSA permit #21-11-BU289, Part 1, D, 1 (page 5 of 6). The results of this sampling were within permit limits and the analytical data package is attached.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

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ESCP GWTF Performance Monitoring
Month: October 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
10/1/24	1000	-	-	-	-	-	-
10/2/24	1000	-	-	-	-	-	-
10/3/24	1000	-	-	-	-	-	-
10/4/24	1000	-	-	-	-	-	-
10/5/24	1000	-	-	-	-	-	-
10/6/24	1000	-	-	-	-	-	-
10/7/24	1000	-	-	-	-	-	-
10/8/24	1000	5	119,030,840	7,913	-	-	-
10/9/24	1000	58	119,114,911	84,071	-	-	-
10/10/24	1000	68	119,212,871	97,959	-	-	-
10/11/24	1000	67	119,309,773	96,902	10	12	8
10/12/24	1000	66	119,406,192	96,418	-	-	-
10/13/24	1000	65	119,500,357	94,164	-	-	-
10/14/24	1000	62	119,590,664	90,306	-	-	-
10/15/24	1000	62	119,680,765	90,101	-	-	-
10/16/24	1000	62	119,771,161	90,395	-	-	-
10/17/24	1000	61	119,860,190	89,029	-	-	-
10/18/24	1000	15	119,882,171	21,980	8	10	6
10/19/24	1000	51	119,956,318	74,147	-	-	-
10/20/24	1000	51	120,030,288	73,969	-	-	-
10/21/24	1000	51	120,104,028	73,740	-	-	-
10/22/24	1000	50	120,176,891	72,862	-	-	-
10/23/24	1000	49	120,248,299	71,408	-	-	-
10/24/24	1000	48	120,318,678	70,378	-	-	-
10/25/24	1000	47	120,386,482	67,804	10	12	7
10/26/24	1000	46	120,453,230	66,747	-	-	-
10/27/24	1000	46	120,520,043	66,813	-	-	-
10/28/24	1000	45	120,585,778	65,734	-	-	-
10/29/24	1000	45	120,650,737	64,958	-	-	-
10/30/24	1000	45	120,715,641	64,904	-	-	-
10/31/24	1000	46	120,782,034	66,392	8	10	8

- GWETS down for cleaning/maintenance

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 10/21/2024 12:35:27 PM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-224183-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

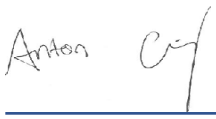
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
10/21/2024 12:35:27 PM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-224183-1 Eurofins Buffalo

Job Narrative
480-224183-1

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 sample was received on 10/9/2024 2:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

General Chemistry
Method 1664B: Analysis for Hexane Extractable Material (HEM) was performed for the following sample: RC-1 (480-224183-1). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: RC-1 (480-224183-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

Client Sample ID: RC-1 — Lab Sample ID: 480-224183-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.15	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	17.8	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

Client Sample ID: RC-1

Date Collected: 10/09/24 13:00
Date Received: 10/09/24 14:30

Lab Sample ID: 480-224183-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SGT-HEM (1664B)	ND		4.9	1.9	mg/L		10/11/24 08:08	10/11/24 10:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**8.15**	**HF**	0.100	0.100	SU			10/19/24 15:10	1
Temperature (SW846 9040C)	**17.8**	**HF**	0.00100	0.00100	Degrees C			10/19/24 15:10	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-727895/1-A
Matrix: Water
Analysis Batch: 727927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SGT-HEM	ND		5.0	1.9	mg/L		10/11/24 08:08	10/11/24 10:08	1

Lab Sample ID: LCS 480-727895/2-A
Matrix: Water
Analysis Batch: 727927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	32.60		mg/L		82	78 - 114
SGT-HEM	20.0	16.30		mg/L		82	64 - 132

Method: 9040C - pH

Lab Sample ID: LCS 480-728999/1
Matrix: Water
Analysis Batch: 728999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.070		SU		101	99 - 101

Lab Sample ID: 480-224183-1 DU
Matrix: Water
Analysis Batch: 728999

Client Sample ID: RC-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.15	HF	8.150		SU		0	5
Temperature	17.8	HF	17.80		Degrees C		0	10

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

General Chemistry

Prep Batch: 727895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224183-1	RC-1	Total/NA	Water	1664B	
MB 480-727895/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-727895/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 727927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224183-1	RC-1	Total/NA	Water	1664B	727895
MB 480-727895/1-A	Method Blank	Total/NA	Water	1664B	727895
LCS 480-727895/2-A	Lab Control Sample	Total/NA	Water	1664B	727895

Analysis Batch: 728999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224183-1	RC-1	Total/NA	Water	9040C	
LCS 480-728999/1	Lab Control Sample	Total/NA	Water	9040C	
480-224183-1 DU	RC-1	Total/NA	Water	9040C	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

Client Sample ID: RC-1

Date Collected: 10/09/24 13:00
Date Received: 10/09/24 14:30

Lab Sample ID: 480-224183-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			727895	KM	EET BUF	10/11/24 08:08
Total/NA	Analysis	1664B		1	727927	KM	EET BUF	10/11/24 10:08
Total/NA	Analysis	9040C		1	728999	CG	EET BUF	10/19/24 15:10

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-224183-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9040C		Water	pH
9040C		Water	Temperature

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

Method	Method Description	Protocol	Laboratory
1664B	HEM and SGT-HEM	1664B	EET BUF
9040C	pH	SW846	EET BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF

Protocol References:

1664B = EPA-821-98-002

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224183-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224183-1	RC-1	Water	10/09/24 13:00	10/09/24 14:30

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2298
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 10/9/24	COC No:
LaBella	Tel: 716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Brent Miller
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below _____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # ~~223121T~~ 324/1733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	5210B-BOD	2540D-TSS	624.1_PREC-624 TCL list	1664B-TPH	9040C-pH
								N	N	2	3	N
EC-1	10/8-10/9/24	1300	G	W	2						1	1

Sample Specific Notes:

480-224183 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if s

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

Temp 5.0 IR#SC ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____	
Relinquished by:	Company: LaBella	Date/Time: 10/9/24 1400	Received by: SANCHEZ Company: FEDEX Date/Time: 10/9
Relinquished by:	Company:	Date/Time:	Received by: Company: Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Company: TA Date/Time: 10/09/24 1430

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-224183-1

Login Number: 224183
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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	5.0 ICE IR# SC
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.	N/A	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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December 2, 2024

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow November 2024 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow November 2024 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for November 2024 from the BSA flowmeter

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for November 2024 were within permit limits. A total of **1,650,975** gallons were discharged to the BSA during the month of November 2024. The next quarterly sample will be collected in December of 2024, for submission in the January 2024 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

LaBella

ESCP GWTF Performance Monitoring
Month: November 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
11/1/24	1000	46	120,849,547	67,513	-	-	-
11/2/24	1000	45	120,914,726	65,178	-	-	-
11/3/24	1000	43	120,978,088	63,361	-	-	-
11/4/24	1000	43	121,041,096	63,008	-	-	-
11/5/24	1000	43	121,104,214	63,118	-	-	-
11/6/24	1000	44	121,168,739	64,524	-	-	-
11/7/24	1000	43	121,231,565	62,825	-	-	-
11/8/24	1000	44	121,295,995	64,429	10	12	10
11/9/24	1000	42	121,357,803	61,807	-	-	-
11/10/24	1000	42	121,418,641	60,838	-	-	-
11/11/24	1000	43	121,481,675	63,033	-	-	-
11/12/24	1000	42	121,543,548	61,872	-	-	-
11/13/24	1000	36	121,596,689	53,141	-	-	-
11/14/24	1000	33	121,644,568	47,878	10	12	10
11/15/24	1000	34	121,693,527	48,959	-	-	-
11/16/24	1000	34	121,742,627	49,100	-	-	-
11/17/24	1000	33	121,791,413	48,785	-	-	-
11/18/24	1000	33	121,840,178	48,764	-	-	-
11/19/24	1000	33	121,888,658	48,480	-	-	-
11/20/24	1000	33	121,936,862	48,204	-	-	-
11/21/24	1000	43	121,99,540	62,677	-	-	-
11/22/24	1000	42	122,061,051	61,510	10	14	16
11/23/24	1000	41	112,121,103	60,052	-	-	-
11/24/24	1000	43	122,183,474	62,371	-	-	-
11/25/24	1000	39	122,239,926	56,451	-	-	-
11/26/24	1000	35	122,291,511	51,585	-	-	-
11/27/24	1000	36	122,344,522	53,011	12	16	20
11/28/24	1000	35	122,396,316	51,793	-	-	-
11/29/24	1000	35	122,447,923	51,606	-	-	-
11/30/24	1000	36	122,500,522	52,598	-	-	-

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January 8, 2025

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow December 2024 and Quarterly Discharge Monitoring Report for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in the Monthly Flow December 2024 and Quarterly Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge form that presents the treatment system flow records for December 2024 from the BSA flow meter
- Data Summary Table for December 2024, including the compliance sampling results collected from the BSA outfall location and attached calculation sheet
- Annual GWETS discharge flowmeter calibration certification
- Copy of the laboratory analysis report for the sample reported on the summary tables

Summary of BSA Compliance and Treatment Sample Analysis

The BSA compliance monitoring for the month of December 2024 included the following analysis:

- Total Extractable Hydrocarbons (TEH)
- pH
- Total Suspended Solids (TSS)
- Biochemical Oxygen Demand (BOD_5)
- PFAS

Eurofins Lancaster Laboratories reports Silica Gel Treated Hexane Extractable Material (SGT-HEM), which is equivalent to Total Petroleum Hydrocarbons (TPH), instead of TEH.

Three daily grab samples were taken on December 10, 11, and 12, 2024 and analyzed for TEH and pH. A grab discharge sample was also taken the day of December 12, 2024, for United States Environmental Protection Agency (USEPA) Test Method 624.1, including Toluene.

Summary of BSA Compliance and Treatment Sample Results

The following is a summary of the BSA Discharge Compliance sampling results for the month of December 2024:

- The TEH (SGT-HEM) data indicated that the treatment system was operating within discharge permit limits. For the three daily grab samples the detections of TEH (SGT-HEM) ranged from 4.20(J) mg/L to 4.80(J) mg/L.
- The pH result for the three daily grab samples ranged from 7.88-7.96.
- The 72-hour composite samples collected on December 12, 2024, indicated the treatment system was operating within discharge permit limits for TSS (4.40 mg/L) and BOD_5 (ND). The results of the grab sample for USEPA Method 624, collected on December 12, 2024, indicated non-detect for benzene, toluene, ethylbenzene, and total xylenes (BTEX).
- Based upon the results of the sampling on December 12, 2024, the mass of toluene discharged from the treatment system to the BSA was calculated to be 0.0011 pounds (utilizing the ND reporting limit). The total flow through the system on December 12, 2024, was 59,604 gallons.

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes were within permit limits. A total of **1,773,109** gallons of water was discharged to the BSA during the month of December 2024. The next quarterly sample will be collected in March of 2025, for submission in the April 2025 report.

Also attached to this report is the annual GWETS calibration certification.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (MPearson@kroggrp.com)
Megan Kuczka (Megan.Kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

LaBella
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ESCP GWTF Performance Monitoring
Month: December 2024

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
12/1/24	1000	35	122,552,311	51,789	-	-	-
12/2/24	1000	34	122,602,639	50,328	-	-	-
12/3/24	1000	36	122,655,319	52,679	-	-	-
12/4/24	1000	36	122,707,620	52,301	-	-	-
12/5/24	1000	37	122,761,185	53,565	-	-	-
12/6/24	1000	36	122,813,719	52,533	-	-	-
12/7/24	1000	37	122,867,924	54,205	-	-	-
12/8/24	1000	37	122,921,913	53,988	-	-	-
12/9/24	1000	38	122,976,825	54,912	-	-	-
12/10/24	1000	39	123,033,454	56,629	14	22	70
12/11/24	1000	40	123,091,482	58,028	-	-	-
12/12/24	1000	41	123,151,086	59,604	-	-	-
12/13/24	1000	42	123,212,668	61,581	-	-	-
12/14/24	1000	42	123,274,180	61,512	-	-	-
12/15/24	1000	42	123,335,864	61,683	-	-	-
12/16/24	1000	45	123,398,353	62,489	16	22	*
12/17/24	1000	41	123,457,964	59,611	-	-	-
12/18/24	1000	42	123,518,528	60,613	-	-	-
12/19/24	1000	42	123,579,851	61,007	-	-	-
12/20/24	1000	41	123,640,004	60,419	-	-	-
12/21/24	1000	42	123,700,623	60,618	-	-	-
12/22/24	1000	42	123,761,197	60,563	-	-	-
12/23/24	1000	41	123,821,251	60,064	18	32	*
12/24/24	1000	42	123,883,139	61,887	-	-	-
12/25/24	1000	43	123,945,150	62,011	-	-	-
12/26/24	1000	43	123,007,736	62,586	18	34	*
12/27/24	1000	43	124,069,917	62,180	-	-	-
12/28/24	1000	43	124,132,457	62,539	-	-	-
12/29/24	1000	43	124,195,653	63,196	-	-	-
12/30/24	1000	45	124,260,942	65,288	-	-	-
12/31/24	1000	44	124,325,420	64,478	20	38	*

* = Blower SP-3 is offline due to high pressure

Elk Strret Commerce Park
FORMER BUFFALO TERMINAL
BSA DISCHARGE MONITORING REPORT

MONTH: December 2024
ISSUED: January 2025

PROCESS WATER EFFLUENT

PARAMETER	DISCHARGE LIMITATIONS	SAMPLING FREQUENCY	DATE 12/12/24
USEPA TEST 624.1 (µg/L)	Monitor Only	Quarterly	Report
T.S.S. (mg/L)	250 mg/L	Quarterly	4.40
B.O.D. $_5$ (mg/L)	250 mg/L	Quarterly	3.0 (ND)
TOLUENE (lb/day)	0.87 lb/day	Quarterly	0.0011

TOTAL MONTHLY FLOW: 1,773,109

METHOD 1664B / pH Results
BSA OUTFALL DAILY GRAB SAMPLES 12/10, 12/11, and 12/12/24

	12/10/24	12/11/24	12/12/24
SGT-HEM (Method 1664B)	ND (1.9)	ND (1.9)	ND (1.9)
pH	7.88	7.95	7.96

Notes:

1. "J" value is a result that is less than the reporting limit, but greater than or equal to the method detection limit and the concentration is an estimated value.
2. "ND" value is that the analyte is not detected.

CALCULATION FORM

CLIENT/PROJECT: Elk Street Commerce Park

PREPARED BY: ARJ **DATE:** 01/08/25

CHECKED BY: ARJ **DATE:** 01/08/25

DESCRIPTION: December 2024 DMR

EPA TEST 624.1
BSA OUTFALL SAMPLES 9/12/24

Benzene	3.00	µg/L	(ND)
Ethylbenzene	2.30	µg/L	(ND)
Toluene	2.30	µg/L	(ND)
Xylenes (Total)	5.40	µg/L	(ND)

Total: 0.00 µg/L

Flow on 12/12/24: 59,604 gallons

Mass of toluene discharged (lb/day) =

$$0.00230 \frac{mg}{L} \times 59{,}604 \text{ gals} \times 0.000002205 \frac{lb}{mg} \times 3.785 \frac{L}{gal} = 0.0011 \text{ lb/day}$$

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Service Report

Customer Name:	Buffalo – Elk Street Commerce Park		
Job Name:	Calibrate Teledyne Flowmeter		
Job Number:	11759		
Job Site Contact Name:	Matt Pearson	**Phone:**	716-435-4959
Job Site Address:	503 Elk St., Buffalo, NY 14203		
Date/Dates of Service:	12/5/24		
Service Technician:	Bob Gillette		

Reason(s) for visit:

- Flowmeter calibration

Met with:

Name	Company	Phone/E-mail

Please supply model & serial numbers of equipment worked on when applicable.

Teledyne ISCO Model 4230 S/N 205F00305

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Date/Dates of Service:	12/5/24		
Service Technician:	Bob Gillette		

Description of Work Performed:

- Arrival time: 0900
- Arrived on site to perform flowmeter inspection and calibration.
- Inspected Palmer Bowlus flume – flume is level and balanced with no obstructions - no correction required at this time.
- Inspected the bubbler / flow meter assembly – unit appears to be in good shape, but system is obsolete, and parts are no longer readily available.
- Physical measurements compared to metered measurements were within +/- 0.10 inches and functioning properly at this time.
- Departure time: 1100.

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Service Report

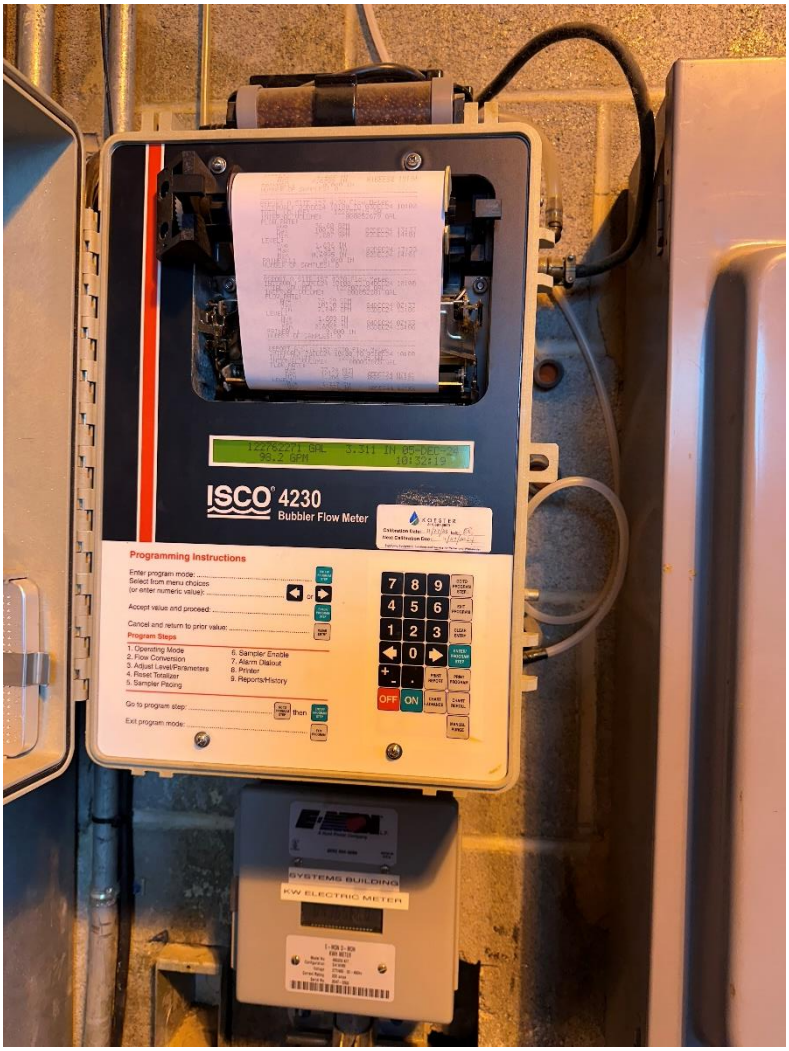
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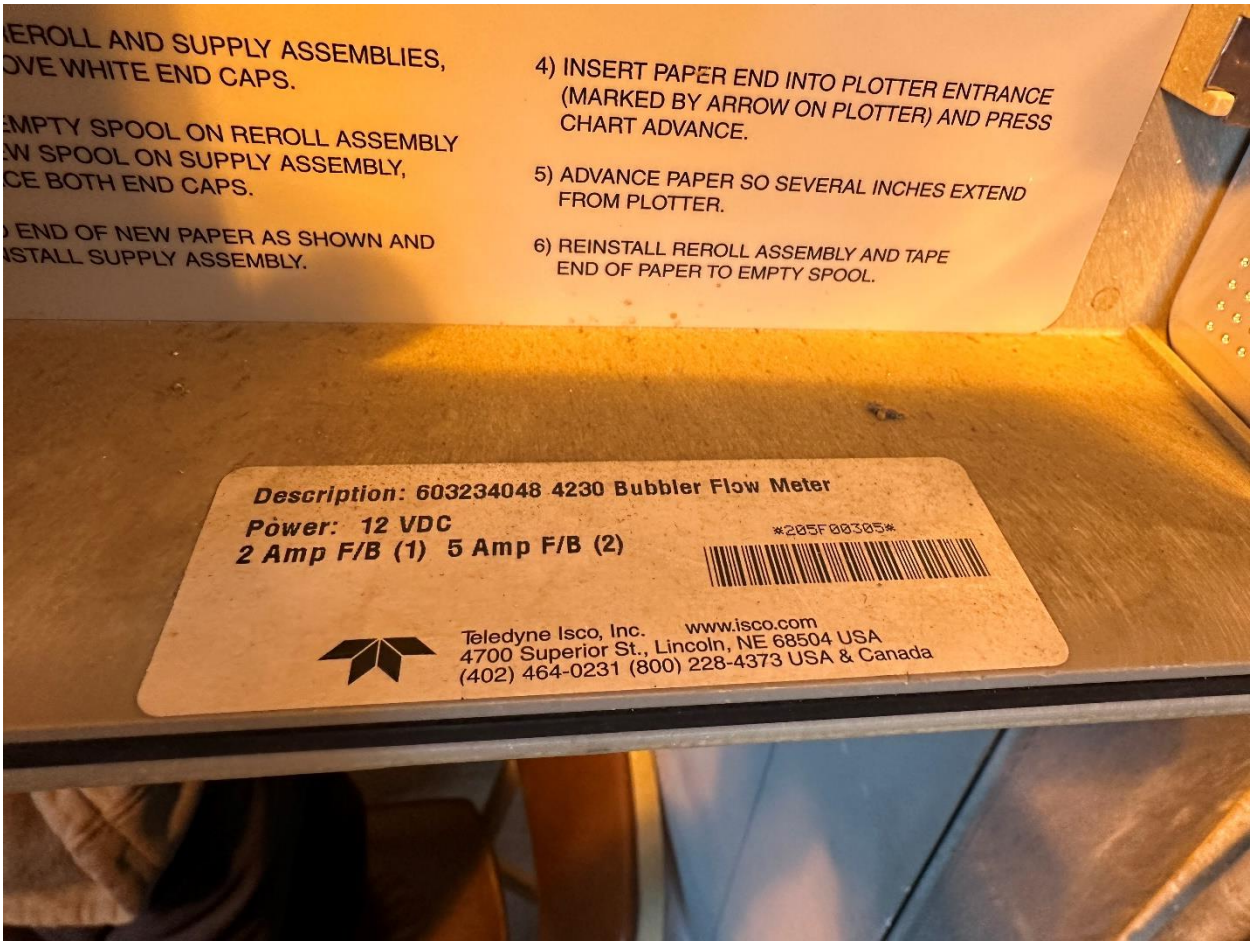
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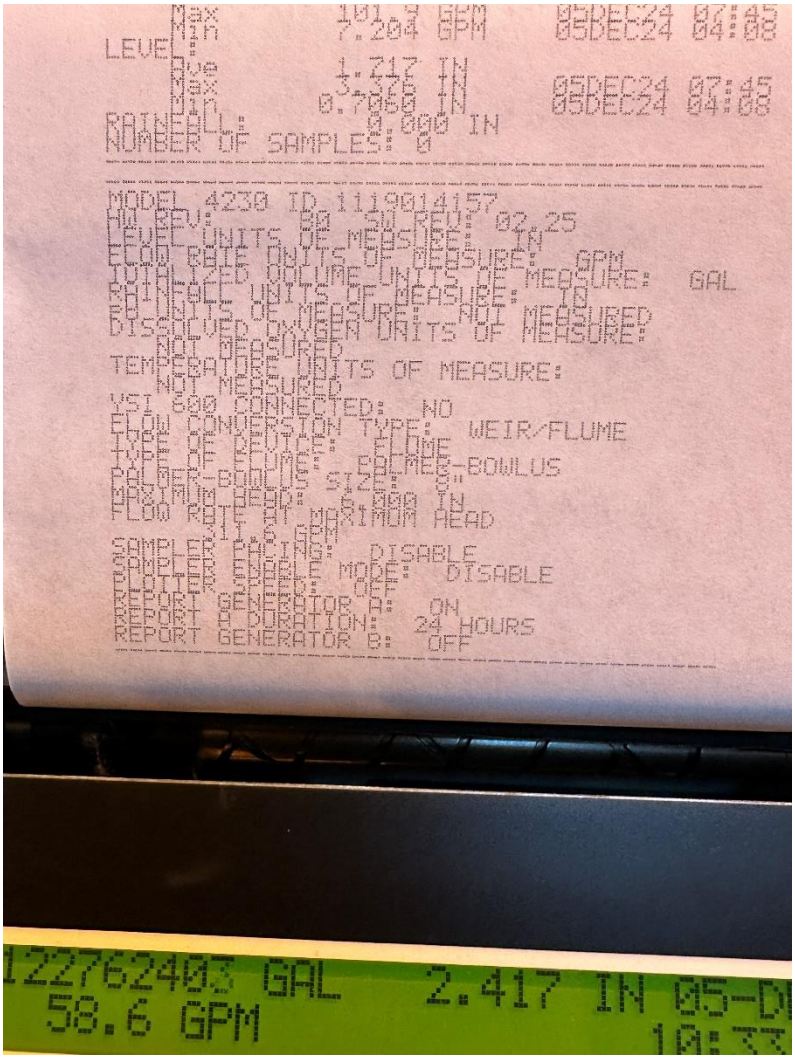
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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

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JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-226264-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

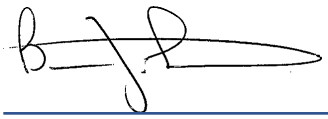
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Job Notes

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Authorized for release by
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

General Chemistry

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-226264-1

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 12/12/2024 1:30 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 5.7°C.

Receipt Exceptions
One or more containers for the following sample was received broken or leaking: Trip Blank (480-226264-6). Single trip blank was recieved broken.

GC/MS VOA
Method 624.1_PREC: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BSA Grab 1 (480-226264-4). 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.

General Chemistry
Method 1664B: Analysis for Hexane Extractable Material (HEM) was performed for the following samples: BSA Day 1 Grab (480-226264-1), BSA Day 2 Grab (480-226264-2) and BSA Day 3 Grab (480-226264-3). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method 5210B: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 480-735263. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BSA Day 1 Grab (480-226264-1), BSA Day 2 Grab (480-226264-2), BSA Day 3 Grab (480-226264-3), (480-226239-E-4) and (480-226239-E-4 DU).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: BSA Day 1 Grab — Lab Sample ID: 480-226264-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	4.2	J	5.0	1.4	mg/L	1		1664B	Total/NA
pH	7.88	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.2	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Day 2 Grab — Lab Sample ID: 480-226264-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	4.5	J	5.0	1.4	mg/L	1		1664B	Total/NA
pH	7.95	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.1	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Day 3 Grab — Lab Sample ID: 480-226264-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	4.8	J	4.9	1.4	mg/L	1		1664B	Total/NA
pH	7.96	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	18.8	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Grab 1 — Lab Sample ID: 480-226264-4

No Detections.

Client Sample ID: BSA Comp 1 — Lab Sample ID: 480-226264-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	4.4		4.0	4.0	mg/L	1		SM 2540D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: BSA Day 1 Grab
Lab Sample ID: 480-226264-1

Date Collected: 12/10/24 13:40
Matrix: Water
Date Received: 12/12/24 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	**4.2**	**J**	5.0	1.4	mg/L		12/14/24 10:51	12/14/24 12:14	1
SGT-HEM (1664B)	ND		5.0	1.9	mg/L		12/14/24 10:51	12/14/24 12:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.88**	**HF**	0.100	0.100	SU			12/17/24 16:44	1
Temperature (SW846 9040C)	**19.2**	**HF**	0.00100	0.00100	Degrees C			12/17/24 16:44	1

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: BSA Day 2 Grab
Lab Sample ID: 480-226264-2
Date Collected: 12/11/24 13:30
Matrix: Water
Date Received: 12/12/24 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	**4.5**	**J**	5.0	1.4	mg/L		12/14/24 10:51	12/14/24 12:14	1
SGT-HEM (1664B)	ND		5.0	1.9	mg/L		12/14/24 10:51	12/14/24 12:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.95**	**HF**	0.100	0.100	SU			12/17/24 16:47	1
Temperature (SW846 9040C)	**19.1**	**HF**	0.00100	0.00100	Degrees C			12/17/24 16:47	1

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: BSA Day 3 Grab
Lab Sample ID: 480-226264-3

Date Collected: 12/12/24 12:00
Matrix: Water
Date Received: 12/12/24 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	**4.8**	**J**	4.9	1.4	mg/L		12/14/24 10:51	12/14/24 12:14	1
SGT-HEM (1664B)	ND		4.9	1.9	mg/L		12/14/24 10:51	12/14/24 12:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.96**	**HF**	0.100	0.100	SU			12/17/24 16:49	1
Temperature (SW846 9040C)	**18.8**	**HF**	0.00100	0.00100	Degrees C			12/17/24 16:49	1

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: BSA Grab 1
Lab Sample ID: 480-226264-4
Date Collected: 12/12/24 12:10
Matrix: Water
Date Received: 12/12/24 13:30

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	1.9	ug/L			12/13/24 18:40	5
1,1,2,2-Tetrachloroethane	ND		25	1.3	ug/L			12/13/24 18:40	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	1.8	ug/L			12/13/24 18:40	5
1,1,2-Trichloroethane	ND		25	2.4	ug/L			12/13/24 18:40	5
1,1-Dichloroethane	ND		25	2.9	ug/L			12/13/24 18:40	5
1,1-Dichloroethene	ND		25	4.3	ug/L			12/13/24 18:40	5
1,2,4-Trichlorobenzene	ND		25	2.0	ug/L			12/13/24 18:40	5
1,2-Dibromo-3-Chloropropane	ND		25	3.1	ug/L			12/13/24 18:40	5
1,2-Dibromoethane	ND		25	2.5	ug/L			12/13/24 18:40	5
1,2-Dichlorobenzene	ND		25	2.2	ug/L			12/13/24 18:40	5
1,2-Dichloroethane	ND		25	3.0	ug/L			12/13/24 18:40	5
1,2-Dichloropropane	ND		25	3.1	ug/L			12/13/24 18:40	5
1,3-Dichlorobenzene	ND		25	2.7	ug/L			12/13/24 18:40	5
1,4-Dichlorobenzene	ND		25	2.5	ug/L			12/13/24 18:40	5
2-Butanone (MEK)	ND		130	8.8	ug/L			12/13/24 18:40	5
2-Hexanone	ND		130	9.8	ug/L			12/13/24 18:40	5
4-Methyl-2-pentanone (MIBK)	ND		130	6.5	ug/L			12/13/24 18:40	5
Acetone	ND		130	9.9	ug/L			12/13/24 18:40	5
Benzene	ND		25	3.0	ug/L			12/13/24 18:40	5
Bromodichloromethane	ND		25	2.7	ug/L			12/13/24 18:40	5
Bromoform	ND		25	2.3	ug/L			12/13/24 18:40	5
Bromomethane	ND		25	6.0	ug/L			12/13/24 18:40	5
Carbon disulfide	ND		25	1.4	ug/L			12/13/24 18:40	5
Carbon tetrachloride	ND		25	2.6	ug/L			12/13/24 18:40	5
Chlorobenzene	ND		25	2.4	ug/L			12/13/24 18:40	5
Chloroethane	ND		25	4.4	ug/L			12/13/24 18:40	5
Chloroform	ND		25	2.7	ug/L			12/13/24 18:40	5
Chloromethane	ND		25	3.2	ug/L			12/13/24 18:40	5
cis-1,2-Dichloroethene	ND		25	2.9	ug/L			12/13/24 18:40	5
cis-1,3-Dichloropropene	ND		25	1.7	ug/L			12/13/24 18:40	5
Dibromochloromethane	ND		25	2.1	ug/L			12/13/24 18:40	5
Dichlorodifluoromethane	ND		25	1.4	ug/L			12/13/24 18:40	5
Ethylbenzene	ND		25	2.3	ug/L			12/13/24 18:40	5
Isopropylbenzene	ND		25	2.6	ug/L			12/13/24 18:40	5
Methyl tert-butyl ether	ND		25	1.8	ug/L			12/13/24 18:40	5
Methylene Chloride	ND		25	4.1	ug/L			12/13/24 18:40	5
Styrene	ND		25	1.9	ug/L			12/13/24 18:40	5
Tetrachloroethene	ND		25	1.7	ug/L			12/13/24 18:40	5
Toluene	ND		25	2.3	ug/L			12/13/24 18:40	5
trans-1,2-Dichloroethene	ND		25	2.9	ug/L			12/13/24 18:40	5
trans-1,3-Dichloropropene	ND		25	2.2	ug/L			12/13/24 18:40	5
Trichloroethene	ND		25	3.0	ug/L			12/13/24 18:40	5
Trichlorofluoromethane	ND		25	2.2	ug/L			12/13/24 18:40	5
Vinyl chloride	ND		25	3.7	ug/L			12/13/24 18:40	5
Xylenes, Total	ND		50	5.4	ug/L			12/13/24 18:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*12/13/24 18:40*	*5*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*12/13/24 18:40*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/13/24 18:40*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226264-1

Client Sample ID: BSA Grab 1
Date Collected: 12/12/24 12:10
Date Received: 12/12/24 13:30

Lab Sample ID: 480-226264-4
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		77 - 120		12/13/24 18:40	5

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226264-1

Client Sample ID: BSA Comp 1
Date Collected: 12/12/24 12:15
Date Received: 12/12/24 13:30

Lab Sample ID: 480-226264-5
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM 5210B)	ND	*-	3.0	3.0	mg/L			12/13/24 12:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	**4.4**		4.0	4.0	mg/L			12/18/24 09:57	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226264-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-226264-4	BSA Grab 1	109	101	101	100
LCS 480-735253/6	Lab Control Sample	110	102	101	99
MB 480-735253/8	Method Blank	108	103	103	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226264-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-735253/8
Matrix: Water
Analysis Batch: 735253

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/13/24 15:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/13/24 15:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			12/13/24 15:04	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/13/24 15:04	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/13/24 15:04	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/13/24 15:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.39	ug/L			12/13/24 15:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			12/13/24 15:04	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			12/13/24 15:04	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/13/24 15:04	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/13/24 15:04	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/13/24 15:04	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/13/24 15:04	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/13/24 15:04	1
2-Butanone (MEK)	ND		25	1.8	ug/L			12/13/24 15:04	1
2-Hexanone	ND		25	2.0	ug/L			12/13/24 15:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			12/13/24 15:04	1
Acetone	ND		25	2.0	ug/L			12/13/24 15:04	1
Benzene	ND		5.0	0.60	ug/L			12/13/24 15:04	1
Bromodichloromethane	ND		5.0	0.54	ug/L			12/13/24 15:04	1
Bromoform	ND		5.0	0.47	ug/L			12/13/24 15:04	1
Bromomethane	ND		5.0	1.2	ug/L			12/13/24 15:04	1
Carbon disulfide	ND		5.0	0.29	ug/L			12/13/24 15:04	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/13/24 15:04	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/13/24 15:04	1
Chloroethane	ND		5.0	0.87	ug/L			12/13/24 15:04	1
Chloroform	ND		5.0	0.54	ug/L			12/13/24 15:04	1
Chloromethane	ND		5.0	0.64	ug/L			12/13/24 15:04	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			12/13/24 15:04	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/13/24 15:04	1
Dibromochloromethane	ND		5.0	0.41	ug/L			12/13/24 15:04	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			12/13/24 15:04	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/13/24 15:04	1
Isopropylbenzene	ND		5.0	0.51	ug/L			12/13/24 15:04	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			12/13/24 15:04	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/13/24 15:04	1
Styrene	ND		5.0	0.38	ug/L			12/13/24 15:04	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/13/24 15:04	1
Toluene	ND		5.0	0.45	ug/L			12/13/24 15:04	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/13/24 15:04	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/13/24 15:04	1
Trichloroethene	ND		5.0	0.60	ug/L			12/13/24 15:04	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			12/13/24 15:04	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/13/24 15:04	1
Xylenes, Total	ND		10	1.1	ug/L			12/13/24 15:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*12/13/24 15:04*	*1*

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-735253/8
Matrix: Water
Analysis Batch: 735253

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*12/13/24 15:04*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/13/24 15:04*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*12/13/24 15:04*	*1*

Lab Sample ID: LCS 480-735253/6
Matrix: Water
Analysis Batch: 735253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	46 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.3		ug/L		102	50 - 150
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	52 - 150
1,1-Dichloroethane	20.0	19.5		ug/L		98	59 - 155
1,1-Dichloroethene	20.0	19.7		ug/L		99	1 - 234
1,2,4-Trichlorobenzene	20.0	17.9		ug/L		90	56 - 128
1,2-Dibromo-3-Chloropropane	20.0	17.7		ug/L		88	44 - 138
1,2-Dibromoethane	20.0	21.0		ug/L		105	77 - 124
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	18 - 190
1,2-Dichloroethane	20.0	20.8		ug/L		104	49 - 155
1,2-Dichloropropane	20.0	20.0		ug/L		100	1 - 210
1,3-Dichlorobenzene	20.0	20.0		ug/L		100	59 - 156
1,4-Dichlorobenzene	20.0	20.3		ug/L		101	18 - 190
2-Butanone (MEK)	100	98.5		ug/L		99	57 - 140
2-Hexanone	100	98.1		ug/L		98	50 - 150
4-Methyl-2-pentanone (MIBK)	100	96.0		ug/L		96	50 - 150
Acetone	100	91.1		ug/L		91	21 - 161
Benzene	20.0	19.9		ug/L		100	37 - 151
Bromodichloromethane	20.0	21.4		ug/L		107	35 - 155
Bromoform	20.0	20.6		ug/L		103	45 - 169
Bromomethane	20.0	24.4		ug/L		122	1 - 242
Carbon disulfide	20.0	17.4		ug/L		87	49 - 145
Carbon tetrachloride	20.0	18.8		ug/L		94	70 - 140
Chlorobenzene	20.0	20.3		ug/L		101	37 - 160
Chloroethane	20.0	22.2		ug/L		111	14 - 230
Chloroform	20.0	20.5		ug/L		102	51 - 138
Chloromethane	20.0	22.8		ug/L		114	1 - 273
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	50 - 150
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	1 - 227
Dibromochloromethane	20.0	20.8		ug/L		104	53 - 149
Dichlorodifluoromethane	20.0	23.6		ug/L		118	59 - 135
Ethylbenzene	20.0	20.2		ug/L		101	37 - 162
Isopropylbenzene	20.0	19.8		ug/L		99	68 - 133
Methyl tert-butyl ether	20.0	19.4		ug/L		97	78 - 118
Methylene Chloride	20.0	20.6		ug/L		103	1 - 221
Styrene	20.0	20.0		ug/L		100	50 - 150
Tetrachloroethene	20.0	20.3		ug/L		101	64 - 148
Toluene	20.0	20.0		ug/L		100	47 - 150

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-735253/6
Matrix: Water
Analysis Batch: 735253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	54 - 156
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	17 - 183
Trichloroethene	20.0	20.4		ug/L		102	71 - 157
Trichlorofluoromethane	20.0	24.3		ug/L		121	17 - 181
Vinyl chloride	20.0	22.0		ug/L		110	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 130*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*99*		*77 - 120*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-735303/1-A
Matrix: Water
Analysis Batch: 735307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0	1.4	mg/L		12/14/24 10:51	12/14/24 12:14	1
SGT-HEM	ND		5.0	1.9	mg/L		12/14/24 10:51	12/14/24 12:14	1

Lab Sample ID: LCS 480-735303/2-A
Matrix: Water
Analysis Batch: 735307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	45.40		mg/L		114	78 - 114
SGT-HEM	20.0	22.70		mg/L		114	64 - 132

Method: 9040C - pH

Lab Sample ID: LCS 480-735603/23
Matrix: Water
Analysis Batch: 735603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.060		SU		101	99 - 101

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-735601/1
Matrix: Water
Analysis Batch: 735601

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/18/24 09:57	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226264-1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 480-735601/2
Matrix: Water
Analysis Batch: 735601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			248	243.6		mg/L		98	88 - 110		

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-735263/1
Matrix: Water
Analysis Batch: 735263

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			12/13/24 12:08	1

Lab Sample ID: LCS 480-735263/2
Matrix: Water
Analysis Batch: 735263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Biochemical Oxygen Demand			197	120.6	*-	mg/L		61	85 - 115		

QC Association Summary

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

GC/MS VOA

Analysis Batch: 735253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226264-4	BSA Grab 1	Total/NA	Water	624.1	
MB 480-735253/8	Method Blank	Total/NA	Water	624.1	
LCS 480-735253/6	Lab Control Sample	Total/NA	Water	624.1	

General Chemistry

Analysis Batch: 735263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226264-5	BSA Comp 1	Total/NA	Water	SM 5210B	
USB 480-735263/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-735263/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Prep Batch: 735303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226264-1	BSA Day 1 Grab	Total/NA	Water	1664B	
480-226264-2	BSA Day 2 Grab	Total/NA	Water	1664B	
480-226264-3	BSA Day 3 Grab	Total/NA	Water	1664B	
MB 480-735303/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-735303/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 735307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226264-1	BSA Day 1 Grab	Total/NA	Water	1664B	735303
480-226264-2	BSA Day 2 Grab	Total/NA	Water	1664B	735303
480-226264-3	BSA Day 3 Grab	Total/NA	Water	1664B	735303
MB 480-735303/1-A	Method Blank	Total/NA	Water	1664B	735303
LCS 480-735303/2-A	Lab Control Sample	Total/NA	Water	1664B	735303

Analysis Batch: 735601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226264-5	BSA Comp 1	Total/NA	Water	SM 2540D	
MB 480-735601/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-735601/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 735603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226264-1	BSA Day 1 Grab	Total/NA	Water	9040C	
480-226264-2	BSA Day 2 Grab	Total/NA	Water	9040C	
480-226264-3	BSA Day 3 Grab	Total/NA	Water	9040C	
LCS 480-735603/23	Lab Control Sample	Total/NA	Water	9040C	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: BSA Day 1 Grab
Lab Sample ID: 480-226264-1
Date Collected: 12/10/24 13:40
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			735303	KM	EET BUF	12/14/24 10:51
Total/NA	Analysis	1664B		1	735307	KM	EET BUF	12/14/24 12:14
Total/NA	Analysis	9040C		1	735603	IMZ	EET BUF	12/17/24 16:44

Client Sample ID: BSA Day 2 Grab
Lab Sample ID: 480-226264-2
Date Collected: 12/11/24 13:30
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			735303	KM	EET BUF	12/14/24 10:51
Total/NA	Analysis	1664B		1	735307	KM	EET BUF	12/14/24 12:14
Total/NA	Analysis	9040C		1	735603	IMZ	EET BUF	12/17/24 16:47

Client Sample ID: BSA Day 3 Grab
Lab Sample ID: 480-226264-3
Date Collected: 12/12/24 12:00
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			735303	KM	EET BUF	12/14/24 10:51
Total/NA	Analysis	1664B		1	735307	KM	EET BUF	12/14/24 12:14
Total/NA	Analysis	9040C		1	735603	IMZ	EET BUF	12/17/24 16:49

Client Sample ID: BSA Grab 1
Lab Sample ID: 480-226264-4
Date Collected: 12/12/24 12:10
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	735253	AXK	EET BUF	12/13/24 18:40

Client Sample ID: BSA Comp 1
Lab Sample ID: 480-226264-5
Date Collected: 12/12/24 12:15
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540D		1	735601	AB	EET BUF	12/18/24 09:57
Total/NA	Analysis	SM 5210B		1	735263	KM	EET BUF	12/13/24 12:08

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226264-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	1,2,4-Trichlorobenzene
624.1		Water	1,2-Dibromo-3-Chloropropane
624.1		Water	1,2-Dibromoethane
624.1		Water	2-Butanone (MEK)
624.1		Water	2-Hexanone
624.1		Water	4-Methyl-2-pentanone (MIBK)
624.1		Water	Carbon disulfide
624.1		Water	Isopropylbenzene
9040C		Water	pH
9040C		Water	Temperature

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226264-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
1664B	HEM and SGT-HEM	1664B	EET BUF
9040C	pH	SW846	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 5210B	BOD, 5-Day	SM	EET BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-226264-1
Project/Site: (ESCP) Elk St Job# 2231211

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226264-1	BSA Day 1 Grab	Water	12/10/24 13:40	12/12/24 13:30
480-226264-2	BSA Day 2 Grab	Water	12/11/24 13:30	12/12/24 13:30
480-226264-3	BSA Day 3 Grab	Water	12/12/24 12:00	12/12/24 13:30
480-226264-4	BSA Grab 1	Water	12/12/24 12:10	12/12/24 13:30
480-226264-5	BSA Comp 1	Water	12/12/24 12:15	12/12/24 13:30

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Brent Miller
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below _____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # ~~2291211~~ 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	5210B-BOD	2540D-TSS	624.1_PREC-624 TCL list	1664B-TPH	9040C-pH	Sample Specific Notes:
								N	N	2	3	N	
BSA DAY 1 GRAB	12/10/24	13:40	G	W	2						1	1	
BSA DAY 2 GRAB	12/11/24	13:30	G	W	2						1	1	
BSA DAY 3 GRAB	12/12/24	12[illegible]	G	W	2						1	1	
BSA GRAB 1	12/12/24	12[illegible]0	G	W	3					3			
BSA COMP. 1	12/12/24	12[illegible]5	C	W	5			1	1				
TRIP BLANK 1	12/12/24	12[illegible]0		W	2					2			

480-226264 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

5.7 IR#5c Ice

Custody Seals Intact: ☐ Yes ☐ No

Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: Carly Kupka	Company: 12/12/24 15:30	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 12/12/24 1330

12/20/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-226264-1

Login Number: 226264

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	5.7 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.	False	
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	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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February 3, 2025

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow January 2025 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow January 2025 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for January 2025 from the BSA flowmeter

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for January 2025 were within permit limits. A total of **1,903,508** gallons were discharged to the BSA during the month of January 2025. The next quarterly sample will be collected in March of 2025, for submission in the April 2025 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

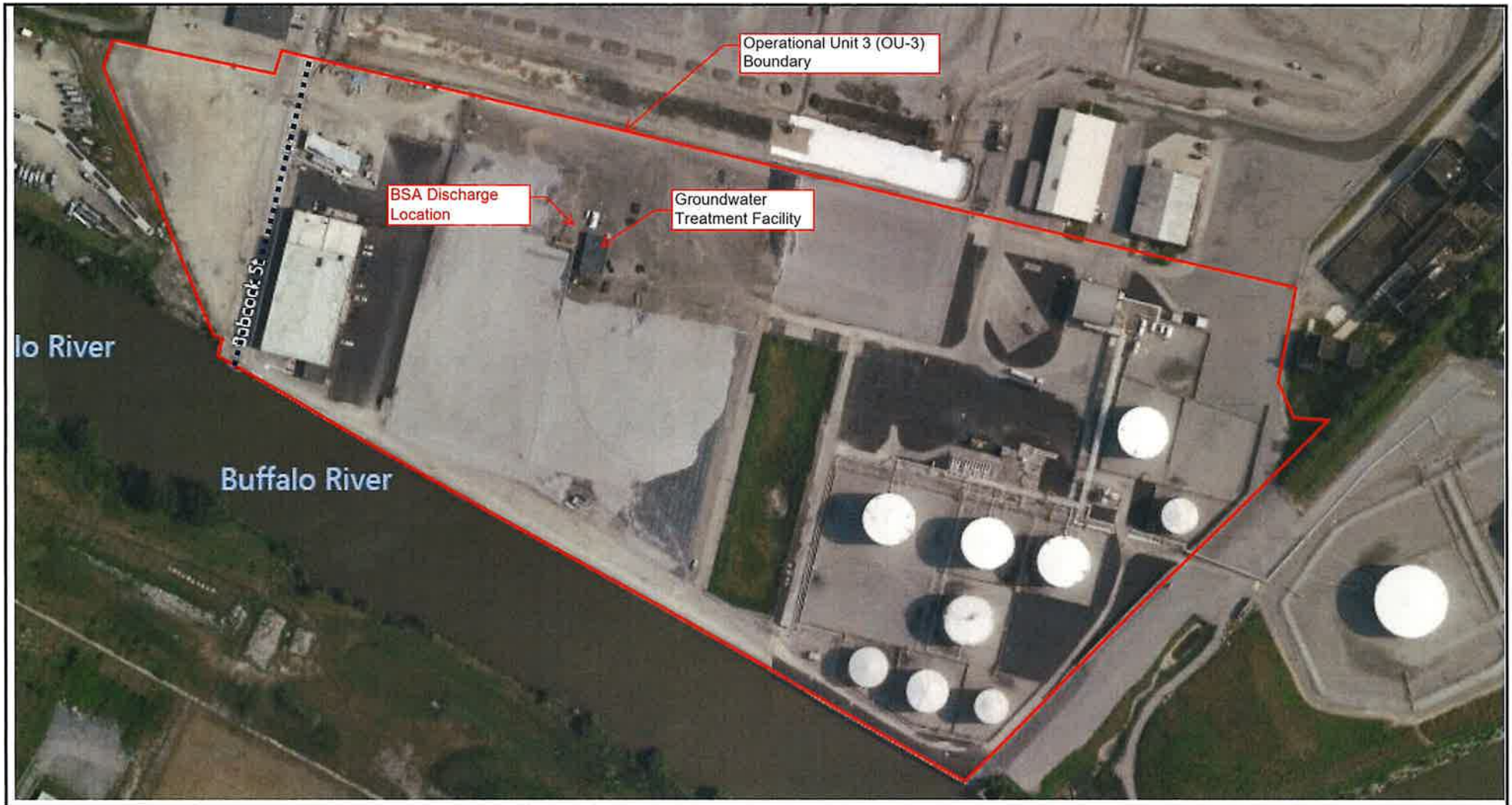
Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

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ESCP GWTF Performance Monitoring
Month: January 2025

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
1/1/25	1000	43	124,382,418	64,993	20	40	*
1/2/25	1000	44	124,453,083	64,593	-	-	-
1/3/25	1000	44	124,518,092	64,004	-	-	-
1/4/25	1000	44	124,682,888	64,795	-	-	-
1/5/25	1000	45	124,648,973	66,084	-	-	-
1/6/25	1000	44	124,712,556	63,582	-	-	-
1/7/25	1000	43	124,775,082	63,326	-	-	-
1/8/25	1000	45	124,841,292	65,409	-	-	-
1/9/25	1000	45	124,906,557	65,265	-	-	-
1/10/25	1000	50	124,980,065	73,508	22	48	*
1/11/25	1000	43	125,042,439	62,373	-	-	-
1/12/25	1000	43	125,105,633	63,194	-	-	-
1/13/25	1000	43	125,168,204	62,571	24	48	*
1/14/25	1000	44	125,231,958	63,753	-	-	-
1/15/25	1000	41	125,292,247	60,289	-	-	-
1/16/25	1000	41	125,351,811	59,563	-	-	-
1/17/25	1000	41	125,412,190	60,378	-	-	-
1/18/25	1000	41	125,471,261	59,071	-	-	-
1/19/25	1000	40	125,529,764	58,503	-	-	-
1/20/25	1000	40	125,588,308	58,544	-	-	-
1/21/25	1000	40	125,646,469	58,160	-	-	-
1/22/25	1000	52	125,721,465	74,996	-	-	-
1/23/25	1000	52	125,796,890	75,424	30	8	*
1/24/25	1000	46	125,863,742	66,852	-	-	-
1/25/25	1000	44	125,927,549	63,806	-	-	-
1/26/25	1000	43	125,989,581	62,032	-	-	-
1/27/25	1000	42	126,050,685	61,103	-	-	-
1/28/25	1000	43	126,113,801	63,116	-	-	-
1/29/25	1000	41	126,173,279	59,477	24	8	10
1/30/25	1000	39	126,229,947	56,668	-	-	-
1/31/25	1000	38	126,285,926	55,978	-	-	-

* = Sparge blower was down for repairs, back in service 1/28/25.

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March 4, 2025

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow February 2025 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow February 2025 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for February 2025 from the BSA flowmeter

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for February 2025 were within permit limits. A total of **2,040,404** gallons were discharged to the BSA during the month of February 2025. The next quarterly sample will be collected in March of 2025, for submission in the April 2025 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,

Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)



N

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Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

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ESCP GWTF Performance Monitoring
Month: February 2025

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
2/1/25	1000	39	126,342,412	56,486	-	-	-
2/2/25	1000	37	126,397,155	54,743	-	-	-
2/3/25	1000	38	126,452,506	55,350	40	8	10
2/4/25	1000	39	126,508,962	56,456	-	-	-
2/5/25	1000	39	126,565,769	56,806	-	-	-
2/6/25	1000	39	126,622,476	56,707	-	-	-
2/7/25	1000	41	126,682,138	59,661	-	-	-
2/8/25	1000	39	126,739,315	57,171	-	-	-
2/9/25	1000	38	126,795,334	56,018	-	-	-
2/10/25	1000	39	126,852,866	57,532	-	-	-
2/11/25	1000	35	126,904,246	51,379	-	-	-
2/12/25	1000	34	126,954,389	50,142	-	-	-
2/13/25	1000	24	126,989,733	35,344	10	10	10
2/14/25	1000	60	127,077,343	87,610	-	-	-
2/15/25	1000	70	127,178,301	100,457	-	-	-
2/16/25	1000	70	127,279,799	101,498	-	-	-
2/17/25	1000	69	127,379,519	99,719	-	-	-
2/18/25	1000	67	127,476,963	97,444	-	-	-
2/19/25	1000	65	127,571,681	94,718	10	12	10
2/20/25	1000	63	127,663,540	91,858	-	-	-
2/21/25	1000	63	127,755,496	91,956	-	-	-
2/22/25	1000	63	127,847,560	92,064	-	-	-
2/23/25	1000	63	127,939,057	91,496	-	-	-
2/24/25	1000	62	128,029,196	90,138	-	-	-
2/25/25	1000	62	128,119,048	89,852	-	-	-
2/26/25	1000	62	128,209,071	90,023	-	-	-
2/27/25	1000	60	128,295,583	86,512	-	-	-
2/28/25	1000	60	128,382,816	87,232	10	12	10

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April 10, 2025

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow March 2025 and Quarterly Discharge Monitoring Report for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in the Monthly Flow March 2025 and Quarterly Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge form that presents the treatment system flow records for March 2025 from the BSA flow meter
- Data Summary Table for March 2025, including the compliance sampling results collected from the BSA outfall location and attached calculation sheet
- Copy of the laboratory analysis report for the sample reported on the summary tables

Summary of BSA Compliance and Treatment Sample Analysis

The BSA compliance monitoring for the month of March 2025 included the following analysis:

- Total Extractable Hydrocarbons (TEH)
- pH
- Total Suspended Solids (TSS)
- Biochemical Oxygen Demand (BOD_5)
- PFAS

Eurofins Lancaster Laboratories reports Silica Gel Treated Hexane Extractable Material (SGT-HEM), which is equivalent to Total Petroleum Hydrocarbons (TPH), instead of TEH.

Three daily grab samples were taken on March 3, 4, and 5, 2025 and analyzed for TEH and pH. A grab discharge sample was also taken the day of March 5, 2025, for United States Environmental Protection Agency (USEPA) Test Method 624.1, including Toluene.

Summary of BSA Compliance and Treatment Sample Results

The following is a summary of the BSA Discharge Compliance sampling results for the month of March 2025:

- The TEH (SGT-HEM) data indicated that the treatment system was operating within discharge permit limits. For the three daily grab samples the detections of TEH (SGT-HEM) ranged from 2.50(J) mg/L to 3.90(J) mg/L.
- The pH result for the three daily grab samples ranged from 7.89-7.95.
- The 72-hour composite samples collected on March 5, 2025, indicated the treatment system was operating within discharge permit limits for TSS (24.00 mg/L) and BOD_5 (3.40 mg/L). The results of the grab sample for USEPA Method 624, collected on December 12, 2024, indicated non-detect for toluene, ethylbenzene, and total xylenes (BTEX).
- Based upon the results of the sampling on March 5, 2025, the mass of toluene discharged from the treatment system to the BSA was calculated to be 0.0016 pounds. The total flow through the system on March 5, 2025, was 82,138 gallons.

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes were within permit limits. A total of **2,790,758** gallons of water was discharged to the BSA during the month of March 2025. Please note that during the last days of March 2025 the printer ribbon in the flowmeter was expended of ink. The next available, legible reading was on April 3, 2025, to end the month of March. The next quarterly sample will be collected in June of 2025, for submission in the July 2025 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (MPearson@kroggrp.com)
Megan Kuczka (Megan.Kuczka@dec.ny.gov)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

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ESCP GWETS Performance Monitoring
Month: March 2025

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate GPM	Total Gallons	Daily Total Gallons	SP-1 Blower Press.	SP-2 Blower Press.	SP-3 Blower Press.
3/1/25	1000	59	128,468,200	83,383	-	-	-
3/2/25	1000	57	128,550,914	82,714	-	-	-
3/3/25	1000	57	128,633,052	82,138	-	-	-
3/4/25	1000	61	128,721,413	88,360	-	-	-
3/5/25	1000	59	128,806,911	85,498	10	14	10
3/6/25	1000	60	128,893,250	86,338	-	-	-
3/7/25	1000	59	128,978,564	85,314	-	-	-
3/8/25	1000	59	129,063,875	85,410	-	-	-
3/9/25	1000	59	129,149,581	85,606	-	-	-
3/10/25	1000	58	129,234,226	84,645	-	-	-
3/11/25	1000	58	129,319,107	84,881	-	-	-
3/12/25	1000	54	129,397,446	78,339	-	-	-
3/13/25	1000	51	129,472,790	56,634	10	26	14
3/14/25	1000	47	129,541,861	69,071	-	-	-
3/15/25	1000	65	129,635,773	93,911	-	-	-
3/16/25	1000	66	129,730,943	95,170	-	-	-
3/17/25	1000	66	129,827,113	96,169	-	-	-
3/18/25	1000	64	129,919,856	92,742	-	-	-
3/19/25	1000	64	130,013,180	93,324	-	-	-
3/20/25	1000	63	130,104,432	91,251	-	-	-
3/21/25	1000	31	130,149,442	45,009	12	18	22
3/22/25	1000	62	130,240,092	91,449	-	-	-
3/23/25	1000	62	130,331,192	90,300	-	-	-
3/24/25	1000	61	130,320,426	89,233	-	-	-
3/25/25	1000	62	130,510,630	90,204	-	-	-
3/26/25	1000	60	130,598,958	87,607	-	-	-
3/27/25	1000	59	130,685,815	85,557	-	-	-
3/28/25	1000	58	130,768,231	84,461	12	22	34
3/29/25	1000	57	130,851,525	83,294	-	-	-
3/30/25	1000	-	-	-	-	-	-
3/31/25	1000	-	-	-	-	-	-
4/1/25	1000	-	-	-	-	-	-
4/2/25	1000	-	-	-	-	-	-
4/3/25	1000	56	131,258,958	81,379	-	-	-

- Flowmeter printing ribbon ran out of ink and flow these days was not recorded.

Elk Strret Commerce Park
FORMER BUFFALO TERMINAL
BSA DISCHARGE MONITORING REPORT

MONTH: March 2025
ISSUED: April 2025

PROCESS WATER EFFLUENT

PARAMETER	DISCHARGE LIMITATIONS	SAMPLING FREQUENCY	DATE March 5, 2025
USEPA TEST 624.1 (µg/L)	**Monitor Only**	**Quarterly**	Report
T.S.S. (mg/L)	**250 mg/L**	**Quarterly**	24.00
B.O.D. $_5$ (mg/L)	**250 mg/L**	**Quarterly**	3.40
TOLUENE (lb/day)	**0.87 lb/day**	**Quarterly**	0.0016

TOTAL MONTHLY FLOW: 2,790,758

METHOD 1664B / pH Results
BSA OUTFALL DAILY GRAB SAMPLES 3/3, 3/4, and 3/5/25

	3/3/25	3/4/25	3/5/25
SGT-HEM (Method 1664B)	ND	3.90J	ND
pH	7.89	7.92	7.95

Notes:

1. "J" value is a result that is less than the reporting limit, but greater than or equal to the method detection limit and the concentration is an estimated value.
2. "ND" value is that the analyte is not detected.

CALCULATION FORM

CLIENT/PROJECT: Elk Street Commerce Park

PREPARED BY: ARJ **DATE:** 04/09/25

CHECKED BY: ARJ **DATE:** 04/09/25

DESCRIPTION: March 2025 Quarterly DMR

EPA TEST 624.1
BSA OUTFALL SAMPLES 3/5/25

Benzene	4.50 J	µg/L	
Ethylbenzene	2.30	µg/L	(ND)
Toluene	2.30	µg/L	(ND)
Xylenes (Total)	5.40	µg/L	(ND)
Total:	4.50	µg/L	
Flow on 3/5/25:	82,138	gallons	

Mass of toluene discharged (lb/day) =

$$0.00230 \frac{mg}{L} \times 82{,}138 \text{ gals} \times 0.000002205 \frac{lb}{mg} \times 3.785 \frac{L}{gal} = 0.0016 \text{ lb/day}$$

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

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JOB DESCRIPTION

(ESCP) Elk St

JOB NUMBER

480-227682-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

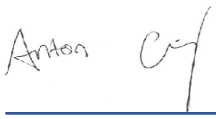
Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
b	Result Detected in the Unseeded Control blank (USB).
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-227682-1

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 3/5/2025 1:50 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 3.2°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: BSA GRAB 1 (480-227682-4), (480-227682-A-4 MS) and (480-227682-A-4 MSD). 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.

General Chemistry
Method 1664B: Analysis for Hexane Extractable Material (HEM) was performed for the following samples: BSA DAY 1 GRAB (480-227682-1) and BSA DAY 3 GRAB (480-227682-3). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BSA DAY 1 GRAB (480-227682-1), BSA DAY 2 GRAB (480-227682-2) and BSA DAY 3 GRAB (480-227682-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: BSA DAY 1 GRAB — Lab Sample ID: 480-227682-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	3.4	J	5.1	1.4	mg/L	1		1664B	Total/NA
pH	7.89	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	14.5	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA DAY 2 GRAB — Lab Sample ID: 480-227682-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	8.3		5.0	1.4	mg/L	1		1664B	Total/NA
SGT-HEM	3.9	J	5.0	1.9	mg/L	1		1664B	Total/NA
pH	7.92	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	14.5	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA DAY 3 GRAB — Lab Sample ID: 480-227682-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	2.5	J	4.9	1.4	mg/L	1		1664B	Total/NA
pH	7.95	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	14.7	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA GRAB 1 — Lab Sample ID: 480-227682-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	5.3	J	25	2.5	ug/L	5		624.1	Total/NA
Benzene	4.5	J	25	3.0	ug/L	5		624.1	Total/NA
Chlorobenzene	12	J	25	2.4	ug/L	5		624.1	Total/NA
Methyl tert-butyl ether	10	J	25	1.8	ug/L	5		624.1	Total/NA

Client Sample ID: BSA COMP 1 — Lab Sample ID: 480-227682-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	24.0		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Biochemical Oxygen Demand	3.4	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA

Client Sample ID: TRIP BLANK 1 — Lab Sample ID: 480-227682-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: BSA DAY 1 GRAB

Date Collected: 03/03/25 11:45
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	**3.4**	**J**	5.1	1.4	mg/L		03/06/25 11:18	03/06/25 11:28	1
SGT-HEM (1664B)	ND		5.1	2.0	mg/L		03/06/25 11:18	03/06/25 11:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.89**	**HF**	0.100	0.100	SU			03/10/25 14:12	1
Temperature (SW846 9040C)	**14.5**	**HF**	0.00100	0.00100	Degrees C			03/10/25 14:12	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: BSA DAY 2 GRAB

Date Collected: 03/04/25 11:45
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	8.3		5.0	1.4	mg/L		03/06/25 11:18	03/06/25 11:28	1
SGT-HEM (1664B)	3.9	J	5.0	1.9	mg/L		03/06/25 11:18	03/06/25 11:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.92	HF	0.100	0.100	SU			03/10/25 14:14	1
Temperature (SW846 9040C)	14.5	HF	0.00100	0.00100	Degrees C			03/10/25 14:14	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: BSA DAY 3 GRAB

Date Collected: 03/05/25 11:45
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	**2.5**	**J**	4.9	1.4	mg/L		03/06/25 11:18	03/06/25 11:28	1
SGT-HEM (1664B)	ND		4.9	1.9	mg/L		03/06/25 11:18	03/06/25 11:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.95**	**HF**	0.100	0.100	SU			03/10/25 14:15	1
Temperature (SW846 9040C)	**14.7**	**HF**	0.00100	0.00100	Degrees C			03/10/25 14:15	1

Client Sample ID: BSA GRAB 1

Date Collected: 03/05/25 12:00
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-4

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	1.9	ug/L			03/05/25 21:00	5
1,1,2,2-Tetrachloroethane	ND		25	1.3	ug/L			03/05/25 21:00	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	25	1.8	ug/L			03/05/25 21:00	5
1,1,2-Trichloroethane	ND		25	2.4	ug/L			03/05/25 21:00	5
1,1-Dichloroethane	ND		25	2.9	ug/L			03/05/25 21:00	5
1,1-Dichloroethene	ND		25	4.3	ug/L			03/05/25 21:00	5
1,2,4-Trichlorobenzene	ND		25	2.0	ug/L			03/05/25 21:00	5
1,2-Dibromo-3-Chloropropane	ND		25	3.1	ug/L			03/05/25 21:00	5
1,2-Dibromoethane	ND		25	2.5	ug/L			03/05/25 21:00	5
1,2-Dichlorobenzene	ND		25	2.2	ug/L			03/05/25 21:00	5
1,2-Dichloroethane	ND		25	3.0	ug/L			03/05/25 21:00	5
1,2-Dichloropropane	ND		25	3.1	ug/L			03/05/25 21:00	5
1,3-Dichlorobenzene	ND		25	2.7	ug/L			03/05/25 21:00	5
1,4-Dichlorobenzene	**5.3**	**J**	25	2.5	ug/L			03/05/25 21:00	5
2-Butanone (MEK)	ND		130	8.8	ug/L			03/05/25 21:00	5
2-Hexanone	ND		130	9.8	ug/L			03/05/25 21:00	5
4-Methyl-2-pentanone (MIBK)	ND		130	6.5	ug/L			03/05/25 21:00	5
Acetone	ND		130	9.9	ug/L			03/05/25 21:00	5
Benzene	**4.5**	**J**	25	3.0	ug/L			03/05/25 21:00	5
Bromodichloromethane	ND		25	2.7	ug/L			03/05/25 21:00	5
Bromoform	ND		25	2.3	ug/L			03/05/25 21:00	5
Bromomethane	ND		25	6.0	ug/L			03/05/25 21:00	5
Carbon disulfide	ND		25	1.4	ug/L			03/05/25 21:00	5
Carbon tetrachloride	ND		25	2.6	ug/L			03/05/25 21:00	5
Chlorobenzene	**12**	**J**	25	2.4	ug/L			03/05/25 21:00	5
Chloroethane	ND		25	4.4	ug/L			03/05/25 21:00	5
Chloroform	ND		25	2.7	ug/L			03/05/25 21:00	5
Chloromethane	ND		25	3.2	ug/L			03/05/25 21:00	5
cis-1,2-Dichloroethene	ND		25	2.9	ug/L			03/05/25 21:00	5
cis-1,3-Dichloropropene	ND		25	1.7	ug/L			03/05/25 21:00	5
Dibromochloromethane	ND		25	2.1	ug/L			03/05/25 21:00	5
Dichlorodifluoromethane	ND		25	1.4	ug/L			03/05/25 21:00	5
Ethylbenzene	ND		25	2.3	ug/L			03/05/25 21:00	5
Isopropylbenzene	ND		25	2.6	ug/L			03/05/25 21:00	5
Methyl tert-butyl ether	**10**	**J**	25	1.8	ug/L			03/05/25 21:00	5
Methylene Chloride	ND		25	4.1	ug/L			03/05/25 21:00	5
Styrene	ND		25	1.9	ug/L			03/05/25 21:00	5
Tetrachloroethene	ND		25	1.7	ug/L			03/05/25 21:00	5
Toluene	ND		25	2.3	ug/L			03/05/25 21:00	5
trans-1,2-Dichloroethene	ND		25	2.9	ug/L			03/05/25 21:00	5
trans-1,3-Dichloropropene	ND		25	2.2	ug/L			03/05/25 21:00	5
Trichloroethene	ND		25	3.0	ug/L			03/05/25 21:00	5
Trichlorofluoromethane	ND		25	2.2	ug/L			03/05/25 21:00	5
Vinyl chloride	ND		25	3.7	ug/L			03/05/25 21:00	5
Xylenes, Total	ND		50	5.4	ug/L			03/05/25 21:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*03/05/25 21:00*	*5*
4-Bromofluorobenzene (Surr)	*107*		*76 - 123*		*03/05/25 21:00*	*5*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/05/25 21:00*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: BSA GRAB 1
Date Collected: 03/05/25 12:00
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-4
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		77 - 120		03/05/25 21:00	5

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: BSA COMP 1

Date Collected: 03/05/25 12:05
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-5

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM 5210B)	3.4	b	2.0	2.0	mg/L			03/06/25 11:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	24.0		4.0	4.0	mg/L			03/10/25 14:49	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: TRIP BLANK 1

Date Collected: 03/05/25 12:10
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-6

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/05/25 21:24	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/05/25 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			03/05/25 21:24	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/05/25 21:24	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/05/25 21:24	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/05/25 21:24	1
1,2,4-Trichlorobenzene	ND		5.0	0.39	ug/L			03/05/25 21:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			03/05/25 21:24	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			03/05/25 21:24	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/05/25 21:24	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/05/25 21:24	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/05/25 21:24	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/05/25 21:24	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/05/25 21:24	1
2-Butanone (MEK)	ND		25	1.8	ug/L			03/05/25 21:24	1
2-Hexanone	ND		25	2.0	ug/L			03/05/25 21:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			03/05/25 21:24	1
Acetone	ND		25	2.0	ug/L			03/05/25 21:24	1
Benzene	ND		5.0	0.60	ug/L			03/05/25 21:24	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/05/25 21:24	1
Bromoform	ND		5.0	0.47	ug/L			03/05/25 21:24	1
Bromomethane	ND		5.0	1.2	ug/L			03/05/25 21:24	1
Carbon disulfide	ND		5.0	0.29	ug/L			03/05/25 21:24	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/05/25 21:24	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/05/25 21:24	1
Chloroethane	ND		5.0	0.87	ug/L			03/05/25 21:24	1
Chloroform	ND		5.0	0.54	ug/L			03/05/25 21:24	1
Chloromethane	ND		5.0	0.64	ug/L			03/05/25 21:24	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			03/05/25 21:24	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/05/25 21:24	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/05/25 21:24	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			03/05/25 21:24	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/05/25 21:24	1
Isopropylbenzene	ND		5.0	0.51	ug/L			03/05/25 21:24	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			03/05/25 21:24	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/05/25 21:24	1
Styrene	ND		5.0	0.38	ug/L			03/05/25 21:24	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/05/25 21:24	1
Toluene	ND		5.0	0.45	ug/L			03/05/25 21:24	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			03/05/25 21:24	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/05/25 21:24	1
Trichloroethene	ND		5.0	0.60	ug/L			03/05/25 21:24	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/05/25 21:24	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/05/25 21:24	1
Xylenes, Total	ND		10	1.1	ug/L			03/05/25 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 130*		*03/05/25 21:24*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 123*		*03/05/25 21:24*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*03/05/25 21:24*	*1*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: TRIP BLANK 1
Date Collected: 03/05/25 12:10
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227682-6
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		77 - 120		03/05/25 21:24	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-227682-4	BSA GRAB 1	107	107	102	104
480-227682-4 MS	BSA GRAB 1	108	106	104	106
480-227682-4 MSD	BSA GRAB 1	104	105	102	103
480-227682-6	TRIP BLANK 1	113	109	108	105
LCS 480-740121/6	Lab Control Sample	101	105	103	105
MB 480-740121/8	Method Blank	109	107	102	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-740121/8
Matrix: Water
Analysis Batch: 740121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/05/25 14:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/05/25 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			03/05/25 14:32	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/05/25 14:32	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/05/25 14:32	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/05/25 14:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.39	ug/L			03/05/25 14:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			03/05/25 14:32	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			03/05/25 14:32	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/05/25 14:32	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/05/25 14:32	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/05/25 14:32	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/05/25 14:32	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/05/25 14:32	1
2-Butanone (MEK)	ND		25	1.8	ug/L			03/05/25 14:32	1
2-Hexanone	ND		25	2.0	ug/L			03/05/25 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			03/05/25 14:32	1
Acetone	ND		25	2.0	ug/L			03/05/25 14:32	1
Benzene	ND		5.0	0.60	ug/L			03/05/25 14:32	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/05/25 14:32	1
Bromoform	ND		5.0	0.47	ug/L			03/05/25 14:32	1
Bromomethane	ND		5.0	1.2	ug/L			03/05/25 14:32	1
Carbon disulfide	ND		5.0	0.29	ug/L			03/05/25 14:32	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/05/25 14:32	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/05/25 14:32	1
Chloroethane	ND		5.0	0.87	ug/L			03/05/25 14:32	1
Chloroform	ND		5.0	0.54	ug/L			03/05/25 14:32	1
Chloromethane	ND		5.0	0.64	ug/L			03/05/25 14:32	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			03/05/25 14:32	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/05/25 14:32	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/05/25 14:32	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			03/05/25 14:32	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/05/25 14:32	1
Isopropylbenzene	ND		5.0	0.51	ug/L			03/05/25 14:32	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			03/05/25 14:32	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/05/25 14:32	1
Styrene	ND		5.0	0.38	ug/L			03/05/25 14:32	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/05/25 14:32	1
Toluene	ND		5.0	0.45	ug/L			03/05/25 14:32	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			03/05/25 14:32	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/05/25 14:32	1
Trichloroethene	ND		5.0	0.60	ug/L			03/05/25 14:32	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/05/25 14:32	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/05/25 14:32	1
Xylenes, Total	ND		10	1.1	ug/L			03/05/25 14:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*03/05/25 14:32*	*1*

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-740121/8
Matrix: Water
Analysis Batch: 740121

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		76 - 123		03/05/25 14:32	1
Dibromofluoromethane (Surr)	102		75 - 123		03/05/25 14:32	1
Toluene-d8 (Surr)	103		77 - 120		03/05/25 14:32	1

Lab Sample ID: LCS 480-740121/6
Matrix: Water
Analysis Batch: 740121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	52 - 162
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		92	46 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.3		ug/L		86	50 - 150
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	52 - 150
1,1-Dichloroethane	20.0	18.2		ug/L		91	59 - 155
1,1-Dichloroethene	20.0	17.9		ug/L		90	1 - 234
1,2,4-Trichlorobenzene	20.0	15.9		ug/L		79	56 - 128
1,2-Dibromo-3-Chloropropane	20.0	15.9		ug/L		79	44 - 138
1,2-Dibromoethane	20.0	20.0		ug/L		100	77 - 124
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	18 - 190
1,2-Dichloroethane	20.0	19.7		ug/L		98	49 - 155
1,2-Dichloropropane	20.0	19.3		ug/L		96	1 - 210
1,3-Dichlorobenzene	20.0	19.5		ug/L		98	59 - 156
1,4-Dichlorobenzene	20.0	19.7		ug/L		99	18 - 190
2-Butanone (MEK)	100	86.6		ug/L		87	57 - 140
2-Hexanone	100	96.3		ug/L		96	50 - 150
4-Methyl-2-pentanone (MIBK)	100	88.5		ug/L		88	50 - 150
Acetone	100	77.6		ug/L		78	21 - 161
Benzene	20.0	18.4		ug/L		92	37 - 151
Bromodichloromethane	20.0	20.2		ug/L		101	35 - 155
Bromoform	20.0	21.1		ug/L		106	45 - 169
Bromomethane	20.0	23.0		ug/L		115	1 - 242
Carbon disulfide	20.0	16.1		ug/L		80	49 - 145
Carbon tetrachloride	20.0	17.5		ug/L		87	70 - 140
Chlorobenzene	20.0	19.4		ug/L		97	37 - 160
Chloroethane	20.0	20.6		ug/L		103	14 - 230
Chloroform	20.0	18.6		ug/L		93	51 - 138
Chloromethane	20.0	22.9		ug/L		115	1 - 273
cis-1,2-Dichloroethene	20.0	18.5		ug/L		93	50 - 150
cis-1,3-Dichloropropene	20.0	19.5		ug/L		98	1 - 227
Dibromochloromethane	20.0	20.8		ug/L		104	53 - 149
Dichlorodifluoromethane	20.0	22.2		ug/L		111	59 - 135
Ethylbenzene	20.0	19.1		ug/L		96	37 - 162
Isopropylbenzene	20.0	18.8		ug/L		94	68 - 133
Methyl tert-butyl ether	20.0	18.7		ug/L		93	78 - 118
Methylene Chloride	20.0	18.7		ug/L		93	1 - 221
Styrene	20.0	19.4		ug/L		97	50 - 150
Tetrachloroethene	20.0	18.9		ug/L		95	64 - 148
Toluene	20.0	18.6		ug/L		93	47 - 150

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-740121/6
Matrix: Water
Analysis Batch: 740121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	17.8		ug/L		89	54 - 156
trans-1,3-Dichloropropene	20.0	19.3		ug/L		97	17 - 183
Trichloroethene	20.0	18.8		ug/L		94	71 - 157
Trichlorofluoromethane	20.0	21.8		ug/L		109	17 - 181
Vinyl chloride	20.0	21.2		ug/L		106	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*105*		*77 - 120*

Lab Sample ID: 480-227682-4 MS
Matrix: Water
Analysis Batch: 740121

Client Sample ID: BSA GRAB 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		100	109		ug/L		109	52 - 162
1,1,2,2-Tetrachloroethane	ND		100	106		ug/L		106	46 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	100	93.9		ug/L		94	50 - 150
1,1,2-Trichloroethane	ND		100	109		ug/L		109	52 - 150
1,1-Dichloroethane	ND		100	105		ug/L		105	59 - 155
1,1-Dichloroethene	ND		100	103		ug/L		103	1 - 234
1,2,4-Trichlorobenzene	ND		100	87.7		ug/L		88	56 - 128
1,2-Dibromo-3-Chloropropane	ND		100	92.2		ug/L		92	44 - 138
1,2-Dibromoethane	ND		100	110		ug/L		110	77 - 124
1,2-Dichlorobenzene	ND		100	106		ug/L		106	18 - 190
1,2-Dichloroethane	ND		100	113		ug/L		113	49 - 155
1,2-Dichloropropane	ND		100	109		ug/L		109	1 - 210
1,3-Dichlorobenzene	ND		100	110		ug/L		110	59 - 156
1,4-Dichlorobenzene	5.3	J	100	115		ug/L		110	18 - 190
2-Butanone (MEK)	ND		500	506		ug/L		101	57 - 140
2-Hexanone	ND		500	525		ug/L		105	50 - 150
4-Methyl-2-pentanone (MIBK)	ND		500	488		ug/L		98	50 - 150
Acetone	ND		500	423		ug/L		85	21 - 161
Benzene	4.5	J	100	109		ug/L		104	37 - 151
Bromodichloromethane	ND		100	115		ug/L		115	35 - 155
Bromoform	ND		100	110		ug/L		110	45 - 169
Bromomethane	ND		100	111		ug/L		111	1 - 242
Carbon disulfide	ND		100	97.2		ug/L		97	49 - 145
Carbon tetrachloride	ND		100	104		ug/L		104	70 - 140
Chlorobenzene	12	J	100	119		ug/L		107	37 - 160
Chloroethane	ND		100	102		ug/L		102	14 - 230
Chloroform	ND		100	108		ug/L		108	51 - 138
Chloromethane	ND		100	118		ug/L		118	1 - 273
cis-1,2-Dichloroethene	ND		100	107		ug/L		107	50 - 150
cis-1,3-Dichloropropene	ND		100	106		ug/L		106	1 - 227
Dibromochloromethane	ND		100	112		ug/L		112	53 - 149

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-227682-4 MS
Matrix: Water
Analysis Batch: 740121

Client Sample ID: BSA GRAB 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	ND		100	116		ug/L		116	59 - 135
Ethylbenzene	ND		100	107		ug/L		107	37 - 162
Isopropylbenzene	ND		100	109		ug/L		109	68 - 133
Methyl tert-butyl ether	10	J	100	114		ug/L		104	78 - 118
Methylene Chloride	ND		100	108		ug/L		108	1 - 221
Styrene	ND		100	103		ug/L		103	50 - 150
Tetrachloroethene	ND		100	107		ug/L		107	64 - 148
Toluene	ND		100	104		ug/L		104	47 - 150
trans-1,2-Dichloroethene	ND		100	104		ug/L		104	54 - 156
trans-1,3-Dichloropropene	ND		100	104		ug/L		104	17 - 183
Trichloroethene	ND		100	109		ug/L		109	71 - 157
Trichlorofluoromethane	ND		100	115		ug/L		115	17 - 181
Vinyl chloride	ND		100	112		ug/L		112	1 - 251

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*
4-Bromofluorobenzene (Surr)	*106*		*76 - 123*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*106*		*77 - 120*

Lab Sample ID: 480-227682-4 MSD
Matrix: Water
Analysis Batch: 740121

Client Sample ID: BSA GRAB 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	102		ug/L		102	52 - 162	6	15
1,1,2,2-Tetrachloroethane	ND		100	103		ug/L		103	46 - 157	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	100	78.2	F2	ug/L		78	50 - 150	18	15
1,1,2-Trichloroethane	ND		100	105		ug/L		105	52 - 150	4	15
1,1-Dichloroethane	ND		100	99.4		ug/L		99	59 - 155	5	15
1,1-Dichloroethene	ND		100	96.1		ug/L		96	1 - 234	7	15
1,2,4-Trichlorobenzene	ND		100	84.8		ug/L		85	56 - 128	3	43
1,2-Dibromo-3-Chloropropane	ND		100	86.9		ug/L		87	44 - 138	6	15
1,2-Dibromoethane	ND		100	106		ug/L		106	77 - 124	4	30
1,2-Dichlorobenzene	ND		100	103		ug/L		103	18 - 190	4	15
1,2-Dichloroethane	ND		100	108		ug/L		108	49 - 155	4	15
1,2-Dichloropropane	ND		100	103		ug/L		103	1 - 210	6	15
1,3-Dichlorobenzene	ND		100	104		ug/L		104	59 - 156	6	15
1,4-Dichlorobenzene	5.3	J	100	110		ug/L		105	18 - 190	4	15
2-Butanone (MEK)	ND		500	485		ug/L		97	57 - 140	4	15
2-Hexanone	ND		500	534		ug/L		107	50 - 150	2	24
4-Methyl-2-pentanone (MIBK)	ND		500	489		ug/L		98	50 - 150	0	25
Acetone	ND		500	419		ug/L		84	21 - 161	1	15
Benzene	4.5	J	100	105		ug/L		100	37 - 151	4	15
Bromodichloromethane	ND		100	110		ug/L		110	35 - 155	5	15
Bromoform	ND		100	111		ug/L		111	45 - 169	1	15
Bromomethane	ND		100	107		ug/L		107	1 - 242	4	15
Carbon disulfide	ND		100	84.4		ug/L		84	49 - 145	14	15

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-227682-4 MSD
Matrix: Water
Analysis Batch: 740121

Client Sample ID: BSA GRAB 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon tetrachloride	ND		100	97.5		ug/L		98	70 - 140	7	15
Chlorobenzene	12	J	100	114		ug/L		102	37 - 160	4	15
Chloroethane	ND		100	96.5		ug/L		96	14 - 230	6	15
Chloroform	ND		100	102		ug/L		102	51 - 138	6	15
Chloromethane	ND		100	115		ug/L		115	1 - 273	3	15
cis-1,2-Dichloroethene	ND		100	98.4		ug/L		98	50 - 150	8	15
cis-1,3-Dichloropropene	ND		100	103		ug/L		103	1 - 227	3	15
Dibromochloromethane	ND		100	110		ug/L		110	53 - 149	2	15
Dichlorodifluoromethane	ND		100	109		ug/L		109	59 - 135	6	15
Ethylbenzene	ND		100	102		ug/L		102	37 - 162	5	15
Isopropylbenzene	ND		100	102		ug/L		102	68 - 133	6	27
Methyl tert-butyl ether	10	J	100	108		ug/L		99	78 - 118	5	15
Methylene Chloride	ND		100	102		ug/L		102	1 - 221	6	15
Styrene	ND		100	100		ug/L		100	50 - 150	2	19
Tetrachloroethene	ND		100	99.6		ug/L		100	64 - 148	7	15
Toluene	ND		100	99.4		ug/L		99	47 - 150	4	15
trans-1,2-Dichloroethene	ND		100	101		ug/L		101	54 - 156	3	15
trans-1,3-Dichloropropene	ND		100	101		ug/L		101	17 - 183	3	15
Trichloroethene	ND		100	104		ug/L		104	71 - 157	5	15
Trichlorofluoromethane	ND		100	107		ug/L		107	17 - 181	7	15
Vinyl chloride	ND		100	103		ug/L		103	1 - 251	8	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*103*		*77 - 120*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-740214/1-A
Matrix: Water
Analysis Batch: 740253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0	1.4	mg/L		03/06/25 11:18	03/06/25 11:19	1
SGT-HEM	ND		5.0	1.9	mg/L		03/06/25 11:18	03/06/25 11:19	1

Lab Sample ID: LCS 480-740214/2-A
Matrix: Water
Analysis Batch: 740253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	39.20		mg/L		98	78 - 114
SGT-HEM	20.0	22.60		mg/L		113	64 - 132

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Method: 9040C - pH

Lab Sample ID: LCS 480-740428/19
Matrix: Water
Analysis Batch: 740428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.014		SU		100	99 - 101		

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-740430/1
Matrix: Water
Analysis Batch: 740430

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/10/25 14:49	1

Lab Sample ID: LCS 480-740430/2
Matrix: Water
Analysis Batch: 740430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			266	267.2		mg/L		100	88 - 110		

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-740327/1
Matrix: Water
Analysis Batch: 740327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			03/06/25 11:55	1

Lab Sample ID: LCS 480-740327/2
Matrix: Water
Analysis Batch: 740327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Biochemical Oxygen Demand			199	218.0		mg/L		109	85 - 115		

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

GC/MS VOA

Analysis Batch: 740121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227682-4	BSA GRAB 1	Total/NA	Water	624.1	
480-227682-6	TRIP BLANK 1	Total/NA	Water	624.1	
MB 480-740121/8	Method Blank	Total/NA	Water	624.1	
LCS 480-740121/6	Lab Control Sample	Total/NA	Water	624.1	
480-227682-4 MS	BSA GRAB 1	Total/NA	Water	624.1	
480-227682-4 MSD	BSA GRAB 1	Total/NA	Water	624.1	

General Chemistry

Prep Batch: 740214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227682-1	BSA DAY 1 GRAB	Total/NA	Water	1664B	
480-227682-2	BSA DAY 2 GRAB	Total/NA	Water	1664B	
480-227682-3	BSA DAY 3 GRAB	Total/NA	Water	1664B	
MB 480-740214/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-740214/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 740253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227682-1	BSA DAY 1 GRAB	Total/NA	Water	1664B	740214
480-227682-2	BSA DAY 2 GRAB	Total/NA	Water	1664B	740214
480-227682-3	BSA DAY 3 GRAB	Total/NA	Water	1664B	740214
MB 480-740214/1-A	Method Blank	Total/NA	Water	1664B	740214
LCS 480-740214/2-A	Lab Control Sample	Total/NA	Water	1664B	740214

Analysis Batch: 740327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227682-5	BSA COMP 1	Total/NA	Water	SM 5210B	
USB 480-740327/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-740327/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 740428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227682-1	BSA DAY 1 GRAB	Total/NA	Water	9040C	
480-227682-2	BSA DAY 2 GRAB	Total/NA	Water	9040C	
480-227682-3	BSA DAY 3 GRAB	Total/NA	Water	9040C	
LCS 480-740428/19	Lab Control Sample	Total/NA	Water	9040C	

Analysis Batch: 740430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227682-5	BSA COMP 1	Total/NA	Water	SM 2540D	
MB 480-740430/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-740430/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Client Sample ID: BSA DAY 1 GRAB
Lab Sample ID: 480-227682-1
Date Collected: 03/03/25 11:45
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			740214	DSC	EET BUF	03/06/25 11:18
Total/NA	Analysis	1664B		1	740253	DSC	EET BUF	03/06/25 11:28
Total/NA	Analysis	9040C		1	740428	IMZ	EET BUF	03/10/25 14:12

Client Sample ID: BSA DAY 2 GRAB
Lab Sample ID: 480-227682-2
Date Collected: 03/04/25 11:45
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			740214	DSC	EET BUF	03/06/25 11:18
Total/NA	Analysis	1664B		1	740253	DSC	EET BUF	03/06/25 11:28
Total/NA	Analysis	9040C		1	740428	IMZ	EET BUF	03/10/25 14:14

Client Sample ID: BSA DAY 3 GRAB
Lab Sample ID: 480-227682-3
Date Collected: 03/05/25 11:45
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			740214	DSC	EET BUF	03/06/25 11:18
Total/NA	Analysis	1664B		1	740253	DSC	EET BUF	03/06/25 11:28
Total/NA	Analysis	9040C		1	740428	IMZ	EET BUF	03/10/25 14:15

Client Sample ID: BSA GRAB 1
Lab Sample ID: 480-227682-4
Date Collected: 03/05/25 12:00
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	740121	AXK	EET BUF	03/05/25 21:00

Client Sample ID: BSA COMP 1
Lab Sample ID: 480-227682-5
Date Collected: 03/05/25 12:05
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540D		1	740430	AB	EET BUF	03/10/25 14:49
Total/NA	Analysis	SM 5210B		1	740327	CG	EET BUF	03/06/25 11:55

Client Sample ID: TRIP BLANK 1
Lab Sample ID: 480-227682-6
Date Collected: 03/05/25 12:10
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	740121	AXK	EET BUF	03/05/25 21:24

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	1,2,4-Trichlorobenzene
624.1		Water	1,2-Dibromo-3-Chloropropane
624.1		Water	1,2-Dibromoethane
624.1		Water	2-Butanone (MEK)
624.1		Water	2-Hexanone
624.1		Water	4-Methyl-2-pentanone (MIBK)
624.1		Water	Carbon disulfide
624.1		Water	Isopropylbenzene
9040C		Water	pH
9040C		Water	Temperature

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
1664B	HEM and SGT-HEM	1664B	EET BUF
9040C	pH	SW846	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 5210B	BOD, 5-Day	SM	EET BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227682-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-227682-1	BSA DAY 1 GRAB	Water	03/03/25 11:45	03/05/25 13:50
480-227682-2	BSA DAY 2 GRAB	Water	03/04/25 11:45	03/05/25 13:50
480-227682-3	BSA DAY 3 GRAB	Water	03/05/25 11:45	03/05/25 13:50
480-227682-4	BSA GRAB 1	Water	03/05/25 12:00	03/05/25 13:50
480-227682-5	BSA COMP 1	Water	03/05/25 12:05	03/05/25 13:50
480-227682-6	TRIP BLANK 1	Water	03/05/25 12:10	03/05/25 13:50

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact:Andrew Janik	Date:	COC No:
LaBella	Tel:716-345-6709	Lab Contact:Fisher,Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: ~~Brent Miller~~ Carly Rupka
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below ____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name:ESCP	☐ 1 week			
Site:ESCP	☐ 2 days			Job / SDG No.:
P O # ~~2231211~~ 225277	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	5210B-BOD	2540D-TSS	624.1_PREC-624 TCL list	1664B-TPH	9040C-pH
								N	N	2	3	N
BSA DAY 1 GRAB	3/3/25	11:45	G	W	2						1	1
BSA DAY 2 GRAB	3/4/25	11:45	G	W	2						1	1
BSA DAY 3 GRAB	3/5/25	11:45	G	W	2						1	1
BSA GRAB 1	3/5/25	12:00	G	W	3					3		
BSA COMP. 1	3/5/25	12:05	C	W	~~3~~ 2			1	1			
TRIP BLANK 1	3/5/25	12:10		W	2					2		

Sample Specific Notes:

480-227682 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: **Email report to ajanik@labellapc.com**

3.2 IR #5C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by: Carly Rupka	Company: LaBella	Date/Time: 3/5/25 1350	Received by:	Company: TAS	Date/Time: 3/5/25 1350
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

3/12/2025

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-227682-1

Login Number: 227682
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

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	
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	BSA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Janik, Andrew

From: Mike Szilagyi <mszilagyi@buffalosewer.org>
Sent: Wednesday, April 23, 2025 10:10 AM
To: Janik, Andrew; Matthew Pearson
Subject: [Ext] Self-monitoring report

Good morning gentlemen.

Let this e-mail serve as written confirmation that the Buffalo Sewer Authority has received and reviewed your April 2025 self-monitoring report. Based upon our review of the analytical results, your facility is in compliance with your 23-01-BU287 Industrial Discharge Permit.

If you have any questions, please do not hesitate to contact me.

Thank you for your time,
Mike Szilagyi
Investigator

CAUTION: This email originated from outside the LaBella organization. Do not click any links or open attachments, until verified. It is Best to be safe! and forward all questionable messages to "abuse" for evaluation.

Janik, Andrew

From: Mike Szilagyi <mszilagyi@buffalosewer.org>
Sent: Friday, April 4, 2025 9:29 AM
To: Janik, Andrew; Matthew Pearson
Subject: [Ext] BSA Sampling
Attachments: ESCP BSA Samp March 2025.pdf

Categories: Red Category

Good morning gentlemen. Attached to this email are the results from BSA's most recent sampling event conducted the week of March 17th. These results show your facility to be in compliance with your SPDES Permit. If you have any questions, let me know.

Thank you for your time,
Mike Szilagyi
Investigator

BUFFALO
SEWER AUTHORITY

CAUTION: This email originated from outside the LaBella organization. Do not click any links or open attachments, until verified. It is Best to be safe! and forward all questionable messages to "abuse" for evaluation.

SAMPLE COLLECTION FIELD SHEET

Date Submitted: 03/17/2025
IW Sample No.: 25-00596
Investigator: MS

Industry No.: BU287 ELK STREET COMMERCE PARK, LLC

Address: 503 ELK STREET BUFFALO

Sample Point: 001
Type of Sample: GRAB

Sample Point Description: FLUME OUTFALL
% of Flow: 100.00

Flow Measuring Method:
Total Flow: 1

Installation Data

Date & Time: 03/17/2025 09:00:00
Crew: JULIEN-LEWIS
Sample Interval: BEG-MID-END
Preservation Used: ICE
Type of Bottle: GLASS

Collection Data

Date & Time: 03/18/2025 09:00:00
Crew: JULIEN-LEWIS
pH: (Grab) 6.2
Temperature: 10.C
Observation: CLEAR

CHAIN OF CUSTODY

Sampler's Signature: _____

Sample No.	Location	Date	Time	Type	#Containers
_____	_____	_____	_____	_____	_____

Relinquished by: _____ Date: _____ Time: _____
Representing: _____
Received by: _____ Date: _____ Time: _____
Representing: _____

MONITORING REQUEST

Lab No.: 016 Lab Name: Eurofins Environmental Testing

Sample Date	Pol. Code	Pollutant Description	M/U	Results
03/17/2025	A30	CHLOROBENZENE	MicroGram	12
03/17/2025	A65	624 SCAN (1624)	MicroGram	17.9
03/17/2025	N05	T.EXT.HYDRO 1664A SGT-HEM	MilliGram	0
03/17/2025	A33	1,4-DICHLOROBENZENE	MicroGram	5.9

SAMPLE COLLECTION FIELD SHEET

Date Submitted: 03/17/2025
IW Sample No.: 25-00597
Investigator: MS

Industry No.: BU287 ELK STREET COMMERCE PARK, LLC

Address: 503 ELK STREET BUFFALO

Sample Point: 001
Type of Sample: COMPOSITE

Sample Point Description: FLUME OUTFALL
% of Flow: 100.00

Flow Measuring Method:
Total Flow: 1

Installation Data

Date & Time: 03/17/2025 09:00:00
Crew: JULIEN-LEWIS
Sample Interval: 15 MINUTE
Preservation Used: ICE
Type of Bottle: GLASS

Collection Data

Date & Time: 03/18/2025 09:00:00
Crew: JULIEN-LEWIS
pH: (Grab) 6.2
Temperature: 10.C
Observation: CLEAR

CHAIN OF CUSTODY

Sampler's Signature: _____

Sample No.	Location	Date	Time	Type	#Containers
_____	_____	_____	_____	_____	_____

Relinquished by: _____ Date: _____ Time: _____
Representing: _____
Received by: _____ Date: _____ Time: _____
Representing: _____

MONITORING REQUEST

Lab No.: 016 Lab Name: Eurofins Environmental Testing

Sample Date	Pol. Code	Pollutant Description	M/U	Results
03/17/2025	N09	SOLIDS,T.SUSPENDED	MilliGram	14
03/17/2025	N01	BOD	MilliGram	36

SAMPLE COLLECTION FIELD SHEET

Date Submitted: 03/18/2025
IW Sample No.: 25-00598
Investigator: MS

Industry No.: BU287 ELK STREET COMMERCE PARK, LLC

Address: 503 ELK STREET BUFFALO

Sample Point: 001
Type of Sample: GRAB

Sample Point Description: FLUME OUTFALL
% of Flow: 100.00

Flow Measuring Method:
Total Flow: 1

Installation Data

Date & Time: 03/18/2025 09:00:00
Crew: JULIEN-LEWIS
Sample Interval: BEG-MID-END
Preservation Used: ICE
Type of Bottle: GLASS

Collection Data

Date & Time: 03/19/2025 09:00:00
Crew: JULIEN-LEWIS
pH: (Grab) 6.36
Temperature: 12.6C
Observation: CLOUDY

CHAIN OF CUSTODY

Sampler's Signature: _____

Sample No.	Location	Date	Time	Type	#Containers
_____	_____	_____	_____	_____	_____

Relinquished by: _____ Date: _____ Time: _____
Representing: _____
Received by: _____ Date: _____ Time: _____
Representing: _____

MONITORING REQUEST

Lab No.: 016 Lab Name: Eurofins Environmental Testing

Sample Date	Pol. Code	Pollutant Description	M/U	Results
03/18/2025	N05	T.EXT.HYDRO 1664A SGT-HEM	MilliGram	0

SAMPLE COLLECTION FIELD SHEET

Date Submitted: 03/18/2025
IW Sample No.: 25-00599
Investigator: MS

Industry No.: BU287 ELK STREET COMMERCE PARK, LLC

Address: 503 ELK STREET BUFFALO

Sample Point: 001
Type of Sample: COMPOSITE

Sample Point Description: FLUME OUTFALL
% of Flow: 100.00

Flow Measuring Method:
Total Flow: 1

Installation Data

Date & Time: 03/18/2025 09:00:00
Crew: JULIEN-LEWIS
Sample Interval: 15 MINUTE
Preservation Used: ICE
Type of Bottle: GLASS

Collection Data

Date & Time: 03/19/2025 09:00:00
Crew: JULIEN-LEWIS
pH: (Grab) 6.36
Temperature: 12.6C
Observation: CLOUDY

CHAIN OF CUSTODY

Sampler's Signature: _____

Sample No.	Location	Date	Time	Type	#Containers
_____	_____	_____	_____	_____	_____

Relinquished by: _____ Date: _____ Time: _____
Representing: _____
Received by: _____ Date: _____ Time: _____
Representing: _____

MONITORING REQUEST

Lab No.: 016 Lab Name: Eurofins Environmental Testing

Sample Date	Pol. Code	Pollutant Description	M/U	Results
03/18/2025	N09	SOLIDS,T.SUSPENDED	MilliGram	16
03/18/2025	N01	BOD	MilliGram	0

SAMPLE COLLECTION FIELD SHEET

Date Submitted: 03/19/2025
IW Sample No.: 25-00600
Investigator: MS

Industry No.: BU287 ELK STREET COMMERCE PARK, LLC

Address: 503 ELK STREET BUFFALO

Sample Point: 001
Type of Sample: GRAB

Sample Point Description: FLUME OUTFALL
% of Flow: 100.00

Flow Measuring Method:
Total Flow: 1

Installation Data

Date & Time: 03/19/2025 09:00:00
Crew: JULIEN-LEWIS
Sample Interval: BEG-MID-END
Preservation Used: ICE
Type of Bottle: GLASS

Collection Data

Date & Time: 03/20/2025 09:00:00
Crew: JULIEN-LEWIS
pH: (Grab) 6.32
Temperature: 10.5C
Observation: CLOUDY

CHAIN OF CUSTODY

Sampler's Signature: _____

Sample No.	Location	Date	Time	Type	#Containers
_____	_____	_____	_____	_____	_____

Relinquished by: _____ Date: _____ Time: _____
Representing: _____
Received by: _____ Date: _____ Time: _____
Representing: _____

MONITORING REQUEST

Lab No.: 016 Lab Name: Eurofins Environmental Testing

Sample Date	Pol. Code	Pollutant Description	M/U	Results
03/19/2025	N05	T.EXT.HYDRO 1664A SGT-HEM	MilliGram	0

SAMPLE COLLECTION FIELD SHEET

Date Submitted: 03/19/2025

IW Sample No.: 25-00601
Investigator: MS

Industry No.: BU287 ELK STREET COMMERCE PARK, LLC

Address: 503 ELK STREET BUFFALO

Sample Point: 001

Type of Sample: COMPOSITE

Sample Point Description: FLUME OUTFALL

% of Flow: 100.00

Flow Measuring Method:
Total Flow: 1

Installation Data

Date & Time: 03/19/2025 09:00:00
Crew: JULIEN-LEWIS
Sample Interval: 15 MINUTE
Preservation Used: ICE
Type of Bottle: GLASS

Collection Data

Date & Time: 03/20/2025 09:00:00
Crew: JULIEN-LEWIS
pH: (Grab) 6.32
Temperature: 10.5C
Observation: CLOUDY

CHAIN OF CUSTODY

Sampler's Signature: _____

Sample No.	Location	Date	Time	Type	#Containers

Relinquished by: _____ Date: _____ Time: _____
Representing: _____
Received by: _____ Date: _____ Time: _____
Representing: _____

MONITORING REQUEST

Lab No.: 016 Lab Name: Eurofins Environmental Testing

Sample Date	Pol. Code	Pollutant Description	M/U	Results
03/19/2025	N09	SOLIDS,T.SUSPENDED	MilliGram	8.8
03/19/2025	N01	BOD	MilliGram	13

LaBella
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May 1, 2025

Mr. Michael Szilagyi
Buffalo Sewer Authority
Industrial Waste Section
Ft. of West Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

Re: Elk Street Commerce Park
Former Buffalo Terminal
Information for Monthly Flow April 2025 Discharge Monitoring Report
for BPDES Permit #23-01-BU289

Dear Mr. Szilagyi:

LaBella Associates, on behalf of Elk Street Commerce Park, has compiled the attached information for inclusion in this Monthly Flow April 2025 Buffalo Sewer Authority (BSA) Discharge Monitoring Report (DMR). The information provided herein pertains to the Buffalo Pollutant Discharge Elimination System (BPDES) wastewater discharge permit #23-01-BU289 for the Former Buffalo Terminal, located at 503, 625 Elk Street, Buffalo, New York (**Figure 1**).

To the best of my knowledge and belief based upon diligent inquiry and oversight, "**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations**."

The following information is attached:

- The BSA Discharge System Performance Monitoring form that presents the treatment system flow records for April 2025 from the BSA flowmeter

Treatment System Daily Flow Records

The BSA Outflow discharge reading volumes for April 2025 were within permit limits. A total of **2,292,246** gallons were discharged to the BSA during the month of April 2025. The next quarterly sample will be collected in June of 2025, for submission in the July 2025 report.

Please do not hesitate to call me at (716) 345-6709 if you have any questions or wish to discuss any of the information summarized above.

Sincerely,



Andrew Janik
Project Manager

Attachments

cc: Paul Neureuter (paul.r.neureuter@gmail.com)
Matt Pearson (mpearson@kroggrp.com)
Megan Kuczka (megan.kuczka@dec.ny.gov)
Carly Repka (crepka@labellapc.com)



N

NOT TO SCALE

Figure 1
Site Map

ExxonMobil Former Buffalo Terminal OU-3

LaBella
Powered by partnership.

ESCP GWTF Performance Monitoring
Month: April 2025

BSA DISCHARGE					AIR SPARGE TANKS (Normal Pressure <60)		
Date	Time	Rate	Total	Daily Total	SP-1	SP-2	SP-3
		GPM	Gallons	Gallons	Blower Press.	Blower Press.	Blower Press.
4/1/25	1000	*	*	*	-	-	-
4/2/25	1000	*	*	*	-	-	-
4/3/25	1000	56	131,258,958	81,379	-	-	-
4/4/25	1000	57	131,341,838	82,879	-	-	-
4/5/25	1000	59	131,427,138	85,300	-	-	-
4/6/25	1000	60	131,513,946	86,807	-	-	-
4/7/25	1000	61	131,602,527	88,581	-	-	-
4/8/25	1000	48	131,643,086	40,558	-	-	-
4/9/25	1000	66	131,725,759	82,673	-	-	-
4/10/25	1000	68	131,824,196	98,436	-	-	-
4/11/25	1000	62	131,914,487	90,291	-	-	-
4/12/25	1000	62	132,004,219	89,732	-	-	-
4/13/25	1000	61	132,092,298	88,078	-	-	-
4/14/25	1000	62	132,181,880	89,581	-	-	-
4/15/25	1000	62	132,271,369	89,489	-	-	-
4/16/25	1000	61	132,360,472	89,102	-	-	-
4/17/25	1000	58	132,445,361	84,889	-	-	-
4/18/25	1000	59	132,530,773	85,412	-	-	-
4/19/25	1000	58	132,615,537	84,764	-	-	-
4/20/25	1000	58	132,699,674	84,136	-	-	-
4/21/25	1000	58	132,784,568	84,893	12	-	10
4/22/25	1000	59	132,870,453	85,885	-	-	-
4/23/25	1000	58	132,955,301	84,847	-	-	-
4/24/25	1000	59	133,040,800	85,499	-	-	-
4/25/25	1000	58	133,125,326	84,526	8	8	8
4/26/25	1000	58	133,209,806	84,479	-	-	-
4/27/25	1000	59	133,295,392	85,585	-	-	-
4/28/25	1000	58	133,379,194	83,802	-	-	-
4/29/25	1000	59	133,464,201	83,007	-	-	-
4/30/25	1000	60	133,551,204	86,999	10	10	10

*- indicates ran out of ink therefore no numbers are available

APPENDIX 4

Buckeye Stormwater Discharge Table

Log of Containment Draining

Facility Name:	

Inspection Procedures:
Prior to discharge of dike storm water, it must be verified that the storm water is free of any petroleum contamination. This must be done by the following actions:

1. Inspect tanks, pumps, piping, and all other equipment in dike for leaks.
2. Verify that no spills have occurred in the dike area since the last date of drainage.
3. Examine surface of water to detect any sign of distillate, gasoline, or petroleum sheen. If product or sheen is present, **DO NOT DRAIN** and notify Operations Management and Regional HSSE Specialist.
4. If water is clear, open valve and attend the drain(s) until the dike field(s) is free of water, or at a minimum perform and document drain valve checks once per hour to ensure there is no product released.
5. Fill out dates and sign or initial below.

Dike(s)	Date of Drainage/Inspection	Time Opened/Inspected	Time Closed	Operator or Technician's Initials
BASIN	4-19-2024	0430	1330	125635 - 125730
171, 38, 97, 75, 90	5/15/2024	0900	0930	125730 - 125735
A1, 75, 97, 38	5/18/2024	0700	1145	125735 - 125748
A1, 75, 90, 97, 38, 171	5/29/2024	0300	0900	125748 - 125799
BASIN	6/6/2024	1145	1505	125799 - 125888
75, 90, 97, 38	6/10/2024	0720	1530	125888 - 125910
BASIN	6/13/2024	0540	0930	125910 - 125934
BASIN	6/20/2024	0600	1000	125934 - 125953
A1, 90, 171, 97	7/1/2024	0800	1435	125953 - 125992
BASIN	7/3/2024	0830	1430	125992 - 126029
97, 90, 38	7/10/2024	1300	1400	126029 - 126035
BASIN	7/12/2024	0645	1530	126035 - 126057
97, 90, 38, 75	7/16/2024	0600	0830	126057 - 126072
BASIN	7/16/2024	0830	1430	126072 - 126136
BASIN	7/17/2024	0700	1300	126136 - 126168
BASIN	7/18/2024	745	1530	126168 - 126179
BASIN	7/21/2024	1230	1630	126179 - 126194
A1, 97, 75, 38, 171	8/2/2024	0645	1200	126194 - 126230
BASIN (OPERATOR HERE THROUGH THE NIGHT)	8/2/2024 / 8/3/24	2145 OPEN PAST MIDNIGHT	8/3/24 @ 0530	126230 - 126304
BASIN	8/6/2024	0730	1730	126304 - 126307

Tab A - Log of Containment Draining

BUCKEYE

Location:

Containment Name(s)	Open				Closed				
	Date	Time	Oil Present?	Beginning Meter Count ~~Initials~~	Date	Time	Oil Present?	Ending Meter Count ~~Initials~~	
A1,75,97,38,171	8-2-24	0645	NO	126194	8-2-24	1200	NO	126230	GPS
BASIN (OPERATOR HERE THROUGH NIGHT)	8-2-24	2145	NO	126230	8-3-24	0530	NO	126304	GPS
BASIN	8-6-24	0730	NO	126304	8-6-24	1730	NO	126807	TN
A1,75,90,97,38 171,99	8-7-24	0830	NO	126807	8-7-24	1530	NO	126990	TN
BASIN	8/12/24	0730	NO	126990	8/12/24	1500	NO	127067	TN
A1,75,90,97,38	9/11/24	0900	NO	127067	9/11/24	1300	NO	127095	GPS
97 38 90 75	10/14/24	1100	NO	127095	10/14/24	1552	NO	127088	TA
97,38,	10/16/24	700	NO	127088	10/16/24	1500	NO	127107	TA
97	11/13/24	0900	NO	127107	11/13/24	1520	NO	127108	TA
A1,75,90,97,38	11/23/24	0230	NO	127108	11/23/24	0540	NO	127132	GPS
BASIN	11/26/24	1200	NO	127132	11/26/24	1430	NO	127204	GPS
BASIN	12/10/24	1000	NO	127204	12/10/24	1545	NO	127370	GPS
A1,75,90,97,38,171,99	12/11/24	0930	NO	127370	12/11/24	1515	NO	127433	GPS
A1,75,90,97,38,171	12/17/24	0150	NO	127433	12/17/24	1525	NO	127485	TN
BASIN	12/18/24	0700	NO	127485	12/18/24	1200	NO	127597	GPS
A1,75,90,97,38,171	12/30/24	0830	NO	127597	12/30/24	1500	NO	127675	JO
BASIN	12/31/24	0900	NO	127675	12/31/24	1400	NO	127862	TN

OP B-14 Form A - Log of Containment Draining

4.1 Stormwater drainage valves must remain closed except when draining stormwater.

4.1.1 To minimize the potential of a release during bulk activity, all containment stormwater drainage valves must be closed prior to receiving or starting bulk product movements. Bulk product movements can include but are not limited to: tank-to-tank transfers, loading/unloading vessels, barges or railcars, pipeline receipts, and truck offload stations.

4.1.2 If containment drainage is required during bulk movements (i.e. the drainage cannot wait until the completion of the product movement), local Operations shall receive Operations Management approval prior to draining. ***NOTE: Bulk movements do not include loading rack activity.***

4.2 Visually check inside the containment for oil or sheen before opening valves to discharge storm water. If product or sheen is present, DO NOT DRAIN and notify Management and Regional Safety and Environmental Advisor. ***NOTE: Make every effort to drain the containment while water is stagnant during daylight hours to make sure no sheen exists.***

4.3 Ensure tank roof drain valves are closed before conducting any bulk product movements and/or before opening any stormwater drainage valves.

4.4 If no oil or sheen is present, locate the stormwater drain valve(s) at the perimeter of the containment and fully seat open. Attend the Facility while stormwater drain valves are open and until the containment area is free of uncontaminated stormwater and to ensure there was no release druing the draining event. If a change in stormwater turbidity is observed, reduce flow from the drain. Once complete, fully seat closed all stormwater drainl valves. ***NOTE: Cotainment drains shall NOT be left open without personnel on site to complete periodic checks. Drainage conducted across shifts shall be documented at shift handover for continued monitoring communication across shifts.***

4.5 If applicable, open any roof drain valves that were closed in step 4.3.

4.6 Complete and maintain the following documents for a period of three (3) years:

4.6.1 Form A - Drainage Log and Outfall Log - **USE TAB A FOR DIKE-TO-DIKE DRAINING AND DISCHARGE TO AN OUTFALL WHEN SAMPLING IS NOT REQUIRED.**

USE TAB B ONLY IF COLLECTING A SAMPLE DURING DISCHARGE.

4.7 Exception

4.7.1 With the approval of the governing agency and Operations Management, stormwater drain valves may be opened during times of forecasted heavy rainfall or tropical storms, to allow stormwater to be drained to prevent floating tanks off their foundations, or submerging electric pumps.

4.7.2 Stormwater drain valves must be closed upon completion of containment draining immediately after the adverse weather event. Operations Management must be notified of the return to normal operating statu

Tab A - Log of Containment Draining

Location: BETBO 2025

BUCKEYE

Containment Name(s)	Open				Closed				
	Date	Time	Oil Present?	Gallons Initials	Date	Time	Oil Present?	Gallons ~~Initials~~	
171, 38, 97	1/2/25	0900	NO	127862	1/2/25	1500	NO	127889	TM
176, 175, 90	1/15/25	930	NO	127889	1/15/25	11:00	NO	127899	JG
90, 75, Tk yd Behind 90	2/19/25	1000	NO	127899	2/19/25	1030	NO	127905	TM
90, 75 Tk yd Behind 90	2/25/25	0280	NO	127905	2/25/25	1530	NO	127911	TM/JG
BASIN	2/26/25	8:30	NO	127911	2/26/25	1500	NO	127987	JG
BASIN	3/5/25	725	NO	127987	3/5/25	1545	NO	128202	JG
90, 75, 71, A1, 38, 97	3/6/25	0830	NO	128202	3/6/25	1500	128319	NO	TM
90, 97, 38	3/12/25	0900	NO	128319	3/12/25	1530	NO	128335	TM
BASIN	4/4/25	1040	NO	128335	4/4/25	1600	NO	128466	GS/JG
A1, 75	4-5-25	0630	NO	128466	4-5-25	0735	NO	128487	GS
A1, 90 97	4/9/25	1030	NO	128487	4/9/25	1440	NO	128509	JG
BASIN	4/15/25	0830	NO	128509	4/15/25	1245	NO	128548	GAS
BASIN	4/22/25	10:15	NO	128548	4/22/25	1615	NO	128687	JG

OP B-14 Form A - Log of Containment Draining

4.1 Stormwater drainage valves must remain closed except when draining stormwater.

4.1.1 To minimize the potential of a release during bulk activity, all containment stormwater drainage valves must be closed prior to receiving or starting bulk product movements. Bulk product movements can include but are not limited to: tank-to-tank transfers, loading/unloading vessels, barges or railcars, pipeline receipts, and truck offload stations.

4.1.2 If containment drainage is required during bulk movements (i.e. the drainage cannot wait until the completion of the product movement), local Operations shall receive Operations Management approval prior to draining. ***NOTE: Bulk movements do not include loading rack activity.***

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4.7.1 With the approval of the governing agency and Operations Management, stormwater drain valves may be opened during times of forecasted heavy rainfall or tropical storms, to allow stormwater to be drained to prevent floating tanks off their foundations, or submerging electric pumps.

4.7.2 Stormwater drain valves must be closed upon completion of containment draining immediately after the adverse weather event. Operations Management must be notified of the return to normal operating status.

APPENDIX 5

2024-2025 Buckeye SPDES Reports

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 05/01/24 to 05/31/24**	**DMR Due Date:**	**06/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	23000.0	=	51000.0	07 - gal/d								0	01/30 - Monthly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - INSTAN
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	8.0			=	8.0	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_May_2024_DMR.pdf	pdf	1778776.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-06-05 09:43 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2024-06-05 10:02 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 05/01/24 to 05/31/24**	**DMR Due Date:**	**06/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	17.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_May_2024_DMR.pdf	pdf	1778776.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-06-05 09:43 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-06-05 10:02 (Time Zone: -04:00)

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Permit

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 05/01/24 to 05/31/24**	**DMR Due Date:**	**06/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - INSTAN
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - GRAB
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_May_2024_DMR.pdf	pdf	1778776.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-06-05 09:44 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-06-05 10:02 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 05/01/24 to 05/31/24**	**DMR Due Date:**	**06/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_May_2024_DMR.pdf	pdf	1778776.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-06-05 09:44 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-06-05 10:02 (Time Zone: -04:00)

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

June 5, 2024

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of May 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On May 15, 2024, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on May 15, 2024.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 28, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on May 16, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30684779001	**SPDES 001 Monthly**	Water	05/15/24 08:50	05/16/24 09:25

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30684779001	**SPDES 001 Monthly**	EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	AK1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

Sample: SPDES 001 Monthly **Lab ID: 30684779001** Collected: 05/15/24 08:50 Received: 05/16/24 09:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		05/24/24 11:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**17.0**	mg/L	4.0	1		05/20/24 13:52		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**8.0**	Std. Units	2.0	1		05/17/24 12:50		H3,H6

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

QC Batch: 671175
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30684779001

METHOD BLANK: 3268448 Matrix: Water
Associated Lab Samples: 30684779001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	05/24/24 10:59	

METHOD BLANK: 3268449 Matrix: Water
Associated Lab Samples: 30684779001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	10.0	05/24/24 11:00	1c

LABORATORY CONTROL SAMPLE: 3268450

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.1	90	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3268451 3268452

Parameter	Units	30684771001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	36.5	21.9	76	40	78-114	50	18	ML,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

QC Batch: 669752
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30684779001

METHOD BLANK: 3261500 Matrix: Water
Associated Lab Samples: 30684779001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	05/20/24 13:52	

LABORATORY CONTROL SAMPLE: 3261501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	114	114	80-120	

SAMPLE DUPLICATE: 3261502

Parameter	Units	30684737001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

SAMPLE DUPLICATE: 3261503

Parameter	Units	30684809001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

QC Batch: 669539
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30684779001

SAMPLE DUPLICATE: 3260361

Parameter	Units	30684978021 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	pH adjusted to <2 in lab at bench prior to analysis.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30684779

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30684779001	**SPDES 001 Monthly**	EPA 1664A	671175		
30684779001	**SPDES 001 Monthly**	SM 2540D-2015	669752		
30684779001	**SPDES 001 Monthly**	SM 4500H+B-2011	669539		

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WO# : 30684779

30684779

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Ana

The Chain-of-Custody is a LEGAL DOCUMENT. All

5/15/24

Section A — Required Client Information:

Company: Groundwater & Environmental Services	
Address: 625 Elk St	
Buffalo NY 14210	
Email To: rsickler@gesonline.com	
Phone: 800-220-3069, x4052	Fax: None
Requested Due Date/TAT: Std.	

Section B — Required Project Information:

Report To:rsickler@gesonline.com
Copy To: NERegion@gesonline.com; bmikolin@gesonline.com
GES project #: 0901886/0400/0405
Purchase Order No.: Direct bill to Buckeye
Project Name: Buckeye Buffalo Terminal
Project Number: DUNS# 0901791

Section C — Invoice Information:

Attention:
Company Name: Buckeye
Address:
Pace Quote Reference: **Lab is direct bill to Buckeye**
Pace Project Manager: Justin Horn
Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D — Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)

IDs MUST BE UNIQUE

Samples

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP AR OT TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: Oil and Grease	TSS	PH	BTEX, Naphthalene	MTBE	Phenols, TotSt	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 MTHLY	wt	g	5/15	1850				4	1			3					3	1	1							001
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	5/15	1600		5/16/24	425

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
3.4	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. Kersels

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 5/15/24

Client _____

Site Buffalo Admiral

Page _____ of _____

Profile/EZ Login Number 1536

Notes _____

		Amber Glass					Plastic								Vials					Other									
Sample Line Item	Matrix	AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	wt	3						1																					

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1
SP5T	1
BP1N	1
BP1U	1
BP3S	25
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3B	250mL plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

core
atile Solid
Swab
Bag

Water
SL Solid
OL Non-Aq Liquid
WP Wipe

WO#: 30684779
PM: TAW Due Date: 05/31/24
CLIENT: 30BUCKGESBUF

Qualtrax ID: 55678

ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt

Effective Date: 01/04/2024

WO# : 30684779

PM: TAW Due Date: 05/31/24

CLIENT: 30BUCKGESBUF

Client Name: Buckeye GCS

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: _____

Initial / Date	
Examined By:	SRC 5-16-24
Labeled By:	BJL 5-16-24
Temped By:	JS 5/16/24

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals Intact:** ☐ Yes ☒ No

Thermometer Used: 16 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 3.6 °C Correction Factor: -0.2 °C Final Temp: 3.4 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 102931 / D.P.D. Residual Chlorine Lot # –
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID	✓			
Matrix: WT				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dechlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed: BJL / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed: JS / Date: 5/16/24 / Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 06/01/24 to 06/30/24**	**DMR Due Date:**	**07/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	38500.0	=	89000.0	07 - gal/d								0	01/30 - Monthly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - INSTAN
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.7			=	7.7	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_June_2024_DMR.pdf	pdf	2771802.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-07-08 10:48 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2024-07-09 13:44 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-Q** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 04/01/24 to 06/30/24**	**DMR Due Date:**	**07/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01051	**Lead, total [as Pb]**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34030	**Benzene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34696	**Naphthalene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.13 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
82181	**Hydrocarbons, total petroleum**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_June_2024_DMR.pdf	pdf	2771802.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-07-08 10:49 (Time Zone: -04:00)

Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-07-09 13:44 (Time Zone: -04:00)

DMR Copy of Record

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-V** QUARTERLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 04/01/24 to 06/30/24**	**DMR Due Date:**	**07/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.05 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34010	**Toluene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34371	**Ethylbenzene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
46000	**Phenols**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_June_2024_DMR.pdf	pdf	2771802.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User: RSTROH18

Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-07-08 10:49 (Time Zone: -04:00)
Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-07-09 13:44 (Time Zone: -04:00)

DMR Copy of Record

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Permit

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 06/01/24 to 06/30/24**	**DMR Due Date:**	**07/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	11.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
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BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-07-08 10:49 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
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Date/Time:	2024-07-09 13:44 (Time Zone: -04:00)

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Permit

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 06/01/24 to 06/30/24**	**DMR Due Date:**	**07/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - INSTAN
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - GRAB
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_June_2024_DMR.pdf	pdf	2771802.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-07-08 10:06 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-07-09 13:44 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 06/01/24 to 06/30/24**	**DMR Due Date:**	**07/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

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Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-07-08 10:06 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-07-09 13:44 (Time Zone: -04:00)

Buckeye SPDES pH Form

Sample pH Checklist

1. Time / Date collected	6/5/24 0900		
2.Clorine PPM via test strip	—		
3. Weather conditions	Sunny 70's		
4. Physical description of sample	Clear no odor		
5. Trip Blanks shipped with sample?	Yes	~~No~~	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	22.3	
	7.00	22.1	
	10.00	22.0	
13. Final pH of Sample?	7.56	19.9	
14. Duplicate? (Yes / (No))			
15. Buffer Discarded?	(Yes)	No	

16. Time Analyzed: 0910

Name: Mr Reiser

Date: 6/5/24

pH Meter tip replaced	New 9/1/2023
pH Meter Manufacturer	Extech
Model #	PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

July 8, 2024

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide copies of the *Discharge Monitoring Report* for the month of June 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On June 5, 2024, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on June 5, 2024.

Quarterly sampling for benzene, toluene, ethylbenzene, total xylenes, naphthalene, methyl tert-butyl ether (MTBE), total phenols, total petroleum hydrocarbons (TPH), and lead was conducted on April 3, 2024. The quarterly sampling results are reported with this submittal. No exceedances of the SPDES permit parameters were detected in the "Outfall 001" sample collected on April 3, 2024.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

April 17, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on April 04, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

The samples were subcontracted to ALS-Holland, 3352 128th Ave Holland, MI 49424l for total Phenols 420.4 analysis. Results of the analysis are reported on the ALS data tables.

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30673882001	**SPDES 001 QTRLY**	Water	04/03/24 13:30	04/04/24 09:20

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30673882001	**SPDES 001 QTRLY**	EPA 6010C	JWT	1	PASI-MV
		EPA 8260C	EAB	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

Sample: SPDES 001 QTRLY **Lab ID: 30673882001** Collected: 04/03/24 13:30 Received: 04/04/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	04/12/24 08:53	04/12/24 14:47	7439-92-1	1c
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		04/15/24 22:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/15/24 22:18	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/15/24 22:18	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/15/24 22:18	91-20-3	
Toluene	ND	ug/L	1.0	1		04/15/24 22:18	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/15/24 22:18	1330-20-7	
Surrogates								
Toluene-d8 (S)	94	%.	70-130	1		04/15/24 22:18	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	70-130	1		04/15/24 22:18	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%.	70-130	1		04/15/24 22:18	17060-07-0	CL
Dibromofluoromethane (S)	98	%.	70-130	1		04/15/24 22:18	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		04/15/24 10:23		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		04/15/24 10:33		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**5.0**	mg/L	4.0	1		04/08/24 10:13		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**7.9**	Std. Units	2.0	1		04/05/24 15:49		H3,H6

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

QC Batch: 344078
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010C
Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30673882001

METHOD BLANK: 1775552 Matrix: Water
Associated Lab Samples: 30673882001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	04/12/24 14:42	1c

LABORATORY CONTROL SAMPLE: 1775553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	504	101	80-120	1c

MATRIX SPIKE SAMPLE: 1775632

Parameter	Units	70293720005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<5.0	500	498	100	75-125	1c

SAMPLE DUPLICATE: 1775631

Parameter	Units	70293720005 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<5.0	ND		20	1c

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

QC Batch: 662009
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30673882001

METHOD BLANK: 3224044 Matrix: Water
Associated Lab Samples: 30673882001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	04/15/24 13:25	
Ethylbenzene	ug/L	ND	1.0	04/15/24 13:25	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/15/24 13:25	
Naphthalene	ug/L	ND	4.0	04/15/24 13:25	
Toluene	ug/L	ND	1.0	04/15/24 13:25	
Xylene (Total)	ug/L	ND	3.0	04/15/24 13:25	
1,2-Dichloroethane-d4 (S)	%.	85	70-130	04/15/24 13:25	CL
4-Bromofluorobenzene (S)	%.	104	70-130	04/15/24 13:25	
Dibromofluoromethane (S)	%.	98	70-130	04/15/24 13:25	
Toluene-d8 (S)	%.	102	70-130	04/15/24 13:25	

LABORATORY CONTROL SAMPLE: 3224045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.0	90	70-130	
Ethylbenzene	ug/L	20	20.5	102	63-135	
Methyl-tert-butyl ether	ug/L	20	17.1	85	63-130	
Naphthalene	ug/L	20	19.3	96	30-166	
Toluene	ug/L	20	18.9	94	70-130	
Xylene (Total)	ug/L	60	60.6	101	70-130	
1,2-Dichloroethane-d4 (S)	%.			82	70-130	CL
4-Bromofluorobenzene (S)	%.			94	70-130	
Dibromofluoromethane (S)	%.			94	70-130	
Toluene-d8 (S)	%.			106	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3224046 3224047

Parameter	Units	30672890003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	16.2	14.0	81	70	17-162	15	30	
Ethylbenzene	ug/L	ND	20	20	15.9	16.2	79	81	51-132	2	30	ML
Methyl-tert-butyl ether	ug/L	ND	20	20	14.7	14.0	73	70	24-144	5	30	
Naphthalene	ug/L	ND	20	20	15.7	16.8	79	84	13-168	7	30	
Toluene	ug/L	ND	20	20	13.5	15.0	67	75	52-131	11	30	ML
Xylene (Total)	ug/L	ND	60	60	46.2	43.5	77	72	51-130	6	30	
1,2-Dichloroethane-d4 (S)	%.						88	80	70-130			CL
4-Bromofluorobenzene (S)	%.						96	99	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3224046 3224047

Parameter	Units	30672890003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						98	88	70-130			
Toluene-d8 (S)	%.						97	105	70-130			

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

QC Batch: 661920
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30673882001

METHOD BLANK: 3223773 Matrix: Water
Associated Lab Samples: 30673882001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/15/24 10:22	

LABORATORY CONTROL SAMPLE: 3223774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.1	85	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3223775 3223776

Parameter	Units	30673882001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	35.5	34.5	88	85	78-114	3	18	

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

QC Batch: 661917
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30673882001

METHOD BLANK: 3223764 Matrix: Water
Associated Lab Samples: 30673882001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	04/15/24 10:31	

METHOD BLANK: 3223784 Matrix: Water
Associated Lab Samples: 30673882001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	10.0	04/15/24 10:32	2c

METHOD BLANK: 3223921 Matrix: Water
Associated Lab Samples: 30673882001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	10.0	04/15/24 10:39	2c

LABORATORY CONTROL SAMPLE: 3223765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	13.0	65	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3223766 3223767

Parameter	Units	30673882001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	15.8	13.1	79	66	64-132	19	34	

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

QC Batch: 660301
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30673882001

METHOD BLANK: 3216119 Matrix: Water
Associated Lab Samples: 30673882001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	04/08/24 10:13	

LABORATORY CONTROL SAMPLE: 3216120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	113	113	80-120	

SAMPLE DUPLICATE: 3216121

Parameter	Units	30673677002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	13.0	13.0	0	5	PL

SAMPLE DUPLICATE: 3216122

Parameter	Units	30673898002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	9.0	9.0	0	5	PL

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Greensburg, PA 15601
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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

QC Batch: 660162
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30673882001

SAMPLE DUPLICATE: 3215212

Parameter	Units	30673003001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.0	6.0	0	10	H3,H6

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Greensburg, PA 15601
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QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 30673882001

[1]	Trip blank not received with samples.

BATCH QUALIFIERS

Batch: 344099

[1]	The serial dilution for sample 70293720005 (SD 1775644) did not meet acceptance criteria for Zinc.

ANALYTE QUALIFIERS

1c	The serial dilution for sample 70293720005 (SD 1775644) did not meet acceptance criteria for Zinc.
2c	pH adjusted to <2 in lab at bench prior to analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30673882

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30673882001	**SPDES 001 QTRLY**	EPA 3005A	344078	EPA 6010C	344099
30673882001	**SPDES 001 QTRLY**	EPA 8260C	662009		
30673882001	**SPDES 001 QTRLY**	EPA 1664A	661920		
30673882001	**SPDES 001 QTRLY**	EPA 1664A	661917		
30673882001	**SPDES 001 QTRLY**	SM 2540D-2015	660301		
30673882001	**SPDES 001 QTRLY**	SM 4500H+B-2011	660162		

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Pace Analytical
www.paceLABS.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

4/3/24

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: Lab is direct bill to Buckeye
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil and Grease	TSS, pH	BTEX, MTBE, Naphth.	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 QTRLY	wt	g	4/3	1330				12	1	1	1	9					3	1	3	1	3	1		001
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	4/3	1500	Evan Laughlin	4/4/24	920	3.8

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: M. Keyser			Y/N	Y/N	Y/N
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 4/3/24		Y/N	Y/N	Y/N
			Y/N	Y/N	Y/N

WO# : 30673882

30673882

ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-Gree

Effective Date: 01/04/2024

WO# : 30673882

PM: TAW **Due Date: 04/18/24**

CLIENT: 30BUCKGESBUF

Client Name: GES **Projec**

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 6145 2952 3960

Initial / Date

Examined By: JS 4/4/24

Labeled By: JS 4/4/24

Temped By: EAT 4/4/24

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No **Seals Intact:** ☑ Yes ☐ No

Thermometer Used: 16 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 4.1 °C Correction Factor: −0.3 °C Final Temp: 3.8 °C

Temp should be above freezing to 6°C

pH paper Lot# 1002931 **D.P.D. Residual Chlorine Lot #** —

Comments:	Yes	No	NA	
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID Matrix:	WT			
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dechlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, (O&G), Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed JS Date/Time of Preservation
				Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:		✓		Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed EAT Date: 4/4/24 Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.

PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

right solutions.
right partner.

April 15, 2024

Fiona Parcher
Pace Analytical
1700 Elm Street
Minneapolis, MN 55414

Work Order: **HN2401241**

Re: **General MN**

Dear Fiona,
Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Brian Grzan
/S/ BRIAN GRZAN

Project Manager

Narrative Documents

Client: Pace Analytical
Project: General MN
Sample Matrix: Wastewater

Work Order: HN2401241
Date Received: 09-Apr-2024

CASE NARRATIVE

Sample Receipt:

One wastewater sample was received for analysis at ALS Environmental on 09-Apr-2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Inorganics:

No significant anomalies were noted with this analysis.

Sample Receipt Information

SAMPLE SUMMARY

Client: Pace Analytical
Project: General MN
Workorder: HN2401241

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2401241-001	SPDES 001 QTRLY	WASTEWATER	04/03/24 13:30	04/09/24 09:00

Environmental Division
Holland
Work Order Reference
HN2401241

Pace®

Telephone : +1 616 399 6070

Workorder Name: Buckeye Buffalo Terminal

Results Requested By: 4/18/2024

Subcontract To

ALS-Holland
3352 128th Ave
Holland, MI 49424

P.O.

Greensburg, PA 15601
Phone (724)850-5600
Email: theresa.wilson@pacelabs.com

Send Invoice To: invoices@pacelabs.coupahost.com

State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Total Phenolics 420.4	LAB USE ONLY
1	SPDES 001 QTRLY	4/3/2024 13:30	30673882001	Water		X	
2							
3							
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1			Caleb Vaught	4-9-24 9:30
2				
3				

Comments

pH 3.7 4.0c DF

Cooler Temperature on Receipt °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

Page 6 of 20

Page 22 of 36

Monday, April 08, 2024 1:21:33 PM

Miscellaneous Forms

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications[1]

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	1/1/2024	12/31/2024
Colorado	UST		1/1/2024	6/30/2024
Connecticut	Drinking Water (Secondary)	PH-0155	1/23/2023	12/31/2024
Florida	NELAP (Primary)	E871106	6/28/2023	6/30/2024
Illinois	NELAP (Secondary)	200076	12/14/2023	12/31/2024
Indiana	Drinking Water (Secondary)	C-MI-08	4/4/2024	9/4/2026
Iowa	State Specific	403	9/18/2023	9/1/2025
Kansas	NELAP (Secondary)	E-10411	7/26/2023	7/31/2024
Kentucky	Waste Water	KY98004	12/5/2023	12/31/2024
Kentucky	UST	120474	7/6/2023	6/30/2024
Michigan	Drinking Water (Primary)	0022	12/19/2023	9/4/2026
Minnesota	NELAP (Secondary)	026-999-449	12/29/2023	12/31/2024
New Jersey	NELAP (Secondary)	MI015	6/5/2023	6/30/2024
New York	Drinking Water (Secondary)	12128	3/29/2024	4/1/2025
North Dakota	State Specific	R-192	9/12/2023	6/30/2024
Ohio	Drinking Water (Secondary)	87783	7/5/2023	6/30/2024
Pennsylvania	NELAP (Secondary)	68-03827	12/21/23	7/31/2024
Texas	NELAP (Secondary)	T104704494	2/1/2024	1/31/2025
USDA	Domestic CA	Soil-MI-007	8/21/2023	2/18/2025
USDA	Soil Import	P330-19-00039	3/3/2023	3/3/2026
West Virginia	State Specific	355	8/25/2023	8/31/2024
Wisconsin	State Specific	399084510	8/11/2023	8/31/2024

1 - Scope available upon request

ANALYST SUMMARY

Client:	Pace Analytical	**Work Order:**	HN2401241
Project:	General MN		

Sample Name:	SPDES 001 QTRLY	**Date Collected:**	04/03/24
Laboratory Code:	HN2401241-001	**Date Received:**	04/09/24
Sample Matrix:	WASTEWATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 420.4	1400411	Riley Miller	2170813	Riley Miller

Sample Results

General Chemistry

Analytical Report

Client: Pace Analytical
Project: General MN/
Sample Matrix: WASTEWATER

Work Order: HN2401241
Date Collected: 04/03/24 13:30
Date Received: 04/09/24 09:00

Sample Name: SPDES 001 QTRLY
Laboratory Code: HN2401241-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	04/12/24 08:57	04/12/24 08:56	

QC Summary Forms

General Chemistry

Analytical Report

Client: Pace Analytical
Project: General MN/
Sample Matrix: WATER

Work Order: HN2401241
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Laboratory Code: QC-1398715-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	04/12/24 08:48	04/12/24 08:47	

Analytical Report

Client: Pace Analytical
Project: General MN/
Sample Matrix: WATER

Work Order: HN2401241
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Laboratory Code: QC-1400411-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	04/12/24 08:58	04/12/24 08:57	

QA/QC Report

Client: Pace Analytical
Project: General MN
Sample Matrix: WASTEWATER

Work Order: HN2401241
Date Collected: 04/03/2024
Date Received: 04/09/2024
Date Analyzed: 04/12/2024
Date Extracted: 04/12/2024

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SPDES 001 QTRLY
Laboratory Code: HN2401241-001
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2170813

Matrix Spike
QC-1400411-004

Analyte Name	Sample Result	Result	Spike Amount	% Rec
Total Phenolics	ND	0.0962	0.1	95.5

QA/QC Report

Client: Pace Analytical
Project: General MN
Sample Matrix: WASTEWATER

Work Order: HN2401241
Date Collected: 04/03/2024
Date Received: 04/09/2024
Date Analyzed: 04/12/2024
Date Extracted: 04/12/2024

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: SPDES 001 QTRLY
Laboratory Code: HN2401241-001
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2170813

		Matrix Spike			Duplicate Matrix Spike					
		QC-1400411-004			QC-1400411-005					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Total Phenolics	ND	0.0962	0.1	95.5	0.0954	0.1	94.8	90-110	0.791	20

QA/QC Report

Client: Pace Analytical
Project: General MN
Sample Matrix: WATER

Work Order: HN2401241
Date Analyzed: 04/12/2024
Date Extracted: 04/12/2024

Laboratory Control Sample Summary
General Chemistry Parameters
Total Phenolics

Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2170807

Sample Name	Laboratory Code	Result	Spike Amount	% Rec	% Rec Limits
Laboratory Control Sample	QC-1398715-002	0.102	0.1	102	90-110

QA/QC Report

Client: Pace Analytical
Project: General MN
Sample Matrix: WATER

Work Order: HN2401241
Date Analyzed: 04/12/2024
Date Extracted: 04/12/2024

Laboratory Control Sample Summary
General Chemistry Parameters
Total Phenolics

Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2170813

Sample Name	Laboratory Code	Result	Spike Amount	% Rec	% Rec Limits
Laboratory Control Sample	QC-1400411-002	0.104	0.1	104	90-110

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

June 18, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30689881001	**SPDES 001 MTHLY**	Water	06/05/24 09:00	06/06/24 09:40

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30689881001	**SPDES 001 MTHLY**	EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

Sample: SPDES 001 MTHLY **Lab ID: 30689881001** Collected: 06/05/24 09:00 Received: 06/06/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		06/17/24 10:34		ML
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**11.0**	mg/L	4.0	1		06/10/24 14:34		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**7.7**	Std. Units	2.0	1		06/07/24 18:12		H3,H6

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

QC Batch: 676200
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30689881001

METHOD BLANK: 3292505 Matrix: Water
Associated Lab Samples: 30689881001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	06/17/24 10:28	

LABORATORY CONTROL SAMPLE: 3292506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	32.5	81	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3292507 3292508

Parameter	Units	30689881001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	35.8	31.0	86	74	78-114	14	18	ML

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

QC Batch: 674357
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30689881001

METHOD BLANK: 3283278 Matrix: Water
Associated Lab Samples: 30689881001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	06/10/24 14:34	

LABORATORY CONTROL SAMPLE: 3283279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	102	102	80-120	

SAMPLE DUPLICATE: 3283280

Parameter	Units	30689749001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	179	187	4	5	

SAMPLE DUPLICATE: 3283281

Parameter	Units	30689881001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	11.0	11.0	0	5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

QC Batch: 674248
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30689881001

SAMPLE DUPLICATE: 3282386

Parameter	Units	30689881001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30689881

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30689881001	**SPDES 001 MTHLY**	EPA 1664A	676200		
30689881001	**SPDES 001 MTHLY**	SM 2540D-2015	674357		
30689881001	**SPDES 001 MTHLY**	SM 4500H+B-2011	674248		

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6/5/24

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical R

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields

WO# : 30689881

30689881

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: **Lab is direct bill to Buckeye**
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) IDs MUST BE UNIQUE

Samples

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL,WP
	AR
	ST
	TS

ITEM #	Section D SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: Oil and Grease	TSS	PH	BTEX, Naphthalene	MTBE	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Filtered (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 MTHLY	wt	g	6/5	0900				4	1			3					3	1	1								001
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
ZTC	6/5	1530	Tony Pinna Pace	6-6-24	9:40	5.9	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: M. Kesels		Temp in °C	Received on Ice
SIGNATURE of SAMPLER: ZTC	DATE Signed (MM / DD / YY): 6/5/24		Custody Sealed Cooler
			Samples Intact

DC#_Title: ENV-FRM-GBUR-0088 v07_Sam
Greensburg

Effective Date: 01/04/2024

WO# : 30689881

PM: TAW Due Date: 06/20/24

CLIENT: 30BUCKGESBUF

Client Name: GES

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 6145 2952 3240

Initial / Date

Examined By: VB 6-6-24

Labeled By: VB 6-6-24

Temped By: VB 6-6-24

Custody Seal on Cooler/Box Present: ☒ Yes ☐No **Seals Intact:** ☒ Yes ☐No

Thermometer Used: 19 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 6.3 °C Correction Factor: -0.4 °C Final Temp: 5.9 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 10022431 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:	X			4.
Sample Labels match COC:	X			5.
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used	X			
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation:		X		16.
exceptions: VOA, coliform, TOC, (O&G), Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	X			Initial when completed VB / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			X	17.
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:			X	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	X			Initial when completed VB / Date: 6-6-24 / Survey Meter SN: 2507380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Pace Container Order #3030027

samantha.bayura@pacelabs.com

PLEASE RETURN THIS COPY WITH COC

Addresses

Order By :		Ship To :		Return To:	
Company	Buckeye_GES (Buffalo)	Company	Buckeye_GES (Buffalo)	Company	Greensburg, PA (Pace Analytical
Contact	Brandon Mikolin	Contact	Brandon Mikolin	Contact	Samantha Bayura
Email	BMikolin@gesonline.com	Email	BMikolin@gesonline.com	Email	samantha.bayura@pacelabs.com
Address	625 Elk Street	Address	625 Elk Street	Address	1638 Roseytown Road
Address 2		Address 2		Address 2	Suites 2,3,4
City	Buffalo	City	Buffalo	City	Greensburg
State	NY Zip 14210	State	NY Zip 14210	State	PA Zip 15601
Phone	716.601.5575	Phone	716.601.5575	Phone	(724)850-5622

Info

Project Name	Buckeye_Buffalo_Terminal_Monthly	**Due Date**	12/27/2023	**Profile**	1536	**Quote**	
Project Manager	Bayura, Samantha	**Return Date**		**Carrier**	FedEx Standard Overnight	**Location**	NY

Return Shipping Labels

Return Label Type

- [ ] No Shipper
- [X] With Shipper

Bottle Labels

- [ ] Blank
- [ ] Pre-Printed No Sample IDs
- [X] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [X] Individually Wrapped
- [ ] Grouped By Sample ID/Matrix

Trip Blanks

- [ ] Include Trip Blanks

COC Options

- [ ] Number of Blanks
- [X] Pre-Printed 1

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [ ] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water
- [ ] USDA Regulated Soils
- [ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease	3	1L amber glass HCl	3	2	110623-1DAW	2 extra bottles for lab MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		090423-2EEV	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		071023-2EIY	

WO# : 30689881

PM: TAW Due Date: 06/20/24

CLIENT: 30BUCKGESBUF

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to ensure proper billing.

Sample Notes :

LAB USE:

Ship Date :	12/26/2023
Prepared By:	David F
Verified By:	

CLIENT USE (Optional):

Date Rec'd:	
Received By:	

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 07/01/24 to 07/31/24**	**DMR Due Date:**	**08/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-9382
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	30125.0	=	64000.0	07 - gal/d								0	01/30 - Monthly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - INSTAN
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.9			=	7.9	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_July_2024_DMR.pdf	pdf	5565674.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-08-02 10:03 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2024-08-05 07:49 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 07/01/24 to 07/31/24**	**DMR Due Date:**	**08/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	18.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_July_2024_DMR.pdf	pdf	5565674.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-08-02 10:03 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-08-05 07:49 (Time Zone: -04:00)

DMR Copy of Record

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 07/01/24 to 07/31/24**	**DMR Due Date:**	**08/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - INSTAN
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - GRAB
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_July_2024_DMR.pdf	pdf	5565674.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-08-02 10:03 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-08-05 07:49 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 07/01/24 to 07/31/24**	**DMR Due Date:**	**08/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_July_2024_DMR.pdf	pdf	5565674.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-08-02 10:03 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-08-05 07:49 (Time Zone: -04:00)

Buckeye SPDES pH Form

Sample pH Checklist

1. Time / Date collected	7/10/24 1330		
2.Clorine PPM via test strip	—		
3. Weather conditions	80s sunny		
4. Physical description of sample	light colored, no odor		
5. Trip Blanks shipped with sample?	Yes	(No)	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	23.4	
	7.00	23.3	
	10.00	23.3	
13. Final pH of Sample?	7.66	21.2	
14. Duplicate?	(Yes)	No	
15. Buffer Discarded?	(Yes)	No	

16. Time Analyzed: 1340

Name: [signature]

Date: 7/10/24

pH Meter tip replaced: New 9/1/2023

pH Meter Manufacturer: Extech

Model #: PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

August 2, 2024

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide copies of the *Discharge Monitoring Report* for the month of July 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On July 10, 2024, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on July 10, 2024.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

July 29, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on July 11, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30699484001	**SPDES 001 QTRLY**	Water	07/10/24 13:30	07/11/24 09:40
30699484002	**--------**	Water	07/10/24 00:00	07/11/24 09:40

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30699484001	**SPDES 001 QTRLY**	EPA 6010D	JWT	1	PASI-MV
		EPA 8260C	AJC	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Sample: SPDES 001 QTRLY **Lab ID: 30699484001** Collected: 07/10/24 13:30 Received: 07/11/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	07/23/24 07:14	07/23/24 17:06	7439-92-1	1c
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		07/17/24 17:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/17/24 17:49	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/17/24 17:49	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		07/17/24 17:49	91-20-3	CL
Toluene	ND	ug/L	1.0	1		07/17/24 17:49	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/17/24 17:49	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%.	70-130	1		07/17/24 17:49	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	70-130	1		07/17/24 17:49	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130	1		07/17/24 17:49	17060-07-0	
Dibromofluoromethane (S)	98	%.	70-130	1		07/17/24 17:49	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		07/15/24 12:23		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		07/15/24 12:37		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**18.0**	mg/L	4.0	1		07/15/24 08:52		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**7.9**	Std. Units	2.0	1		07/12/24 14:54		H3,H6

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(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 356167
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30699484001

METHOD BLANK: 1848393 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	07/23/24 17:03	1c

LABORATORY CONTROL SAMPLE: 1848394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	505	101	80-120	1c

MATRIX SPIKE SAMPLE: 1848396

Parameter	Units	70305106002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<5.0	500	530	106	75-125	1c

SAMPLE DUPLICATE: 1848395

Parameter	Units	70305106002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<5.0	ND		20	1c

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QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682997
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3325282 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/17/24 11:52	
Ethylbenzene	ug/L	ND	1.0	07/17/24 11:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/17/24 11:52	
Naphthalene	ug/L	ND	4.0	07/17/24 11:52	CL
Toluene	ug/L	ND	1.0	07/17/24 11:52	
Xylene (Total)	ug/L	ND	3.0	07/17/24 11:52	
1,2-Dichloroethane-d4 (S)	%.	104	70-130	07/17/24 11:52	
4-Bromofluorobenzene (S)	%.	98	70-130	07/17/24 11:52	
Dibromofluoromethane (S)	%.	98	70-130	07/17/24 11:52	
Toluene-d8 (S)	%.	98	70-130	07/17/24 11:52	

LABORATORY CONTROL SAMPLE: 3325283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.0	95	70-130	
Ethylbenzene	ug/L	20	19.2	96	63-135	
Methyl-tert-butyl ether	ug/L	20	19.9	99	63-130	
Naphthalene	ug/L	20	17.8	89	30-166	CL
Toluene	ug/L	20	19.2	96	70-130	
Xylene (Total)	ug/L	60	58.1	97	70-130	
1,2-Dichloroethane-d4 (S)	%.			104	70-130	
4-Bromofluorobenzene (S)	%.			105	70-130	
Dibromofluoromethane (S)	%.			98	70-130	
Toluene-d8 (S)	%.			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3325284 3325285

Parameter	Units	30698571001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1.0 U	20	20	22.8	25.5	114	128	17-162	11	30	
Ethylbenzene	ug/L	1.0 U	20	20	21.7	24.1	109	120	51-132	10	30	
Methyl-tert-butyl ether	ug/L	0.54J	20	20	27.8	31.1	136	153	24-144	11	30	MH
Naphthalene	ug/L	4.0 U	20	20	20.3	23.5	100	116	13-168	14	30	CL
Toluene	ug/L	1.0 U	20	20	22.8	25.0	114	125	52-131	9	30	
Xylene (Total)	ug/L	3.0 U	60	60	65.0	72.3	108	120	51-130	11	30	
1,2-Dichloroethane-d4 (S)	%.						109	108	70-130			
4-Bromofluorobenzene (S)	%.						103	102	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3325284 3325285

Parameter	Units	30698571001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						99	98	70-130			
Toluene-d8 (S)	%.						99	100	70-130			

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(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682385
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3322572 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	07/15/24 12:19	

LABORATORY CONTROL SAMPLE: 3322573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	33.6	84	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3322574 3322575

Parameter	Units	30698286001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	35.8	35.0	87	85	78-114	2	18	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682386
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3322576 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	07/15/24 12:30	

METHOD BLANK: 3322577 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	10.0	07/15/24 12:30	2c

LABORATORY CONTROL SAMPLE: 3322578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	13.5	68	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3322579 3322580

Parameter	Units	30698286001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	9.7	9.3	42	40	64-132	4	34	ML

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682319
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3322386 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	07/15/24 08:52	

LABORATORY CONTROL SAMPLE: 3322387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	106	106	80-120	

SAMPLE DUPLICATE: 3322388

Parameter	Units	30699170001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	4.0	ND		5	PL

SAMPLE DUPLICATE: 3322389

Parameter	Units	30699511002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682147
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30699484001

SAMPLE DUPLICATE: 3321618

Parameter	Units	30699856001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.4	6.4	0	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 30699484001

[1]	Trip blank was not received.

BATCH QUALIFIERS

Batch: 356207

[1]	The post digestion spike for sample 70305106002 (PDS 1848506) did not meet acceptance criteria for Silver and Sodium.

ANALYTE QUALIFIERS

1c	The post digestion spike for sample 70305106002 (PDS 1848506) did not meet acceptance criteria for Silver and Sodium.
2c	pH adjusted to <2 in lab at bench prior to analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

ANALYTE QUALIFIERS

PL The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30699484001	**SPDES 001 QTRLY**	EPA 3005A	356167	EPA 6010D	356207
30699484001	**SPDES 001 QTRLY**	EPA 8260C	682997		
30699484001	**SPDES 001 QTRLY**	EPA 1664A	682385		
30699484001	**SPDES 001 QTRLY**	EPA 1664A	682386		
30699484001	**SPDES 001 QTRLY**	SM 2540D-2015	682319		
30699484001	**SPDES 001 QTRLY**	SM 4500H+B-2011	682147		

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7/10/24

WO# : 30699484

30699484

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fiel

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmlkolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: Lab is direct bill to Buckeye
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE TS; OTHER OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil and Grease	TSS, pH	BTEX, MTBE, Naphth	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 QTRLY	wt	g	7/10	1330				12	1	1	1	9					3	1	3	1	3	1		OC
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	7/10	1500		7-11-24	0940
	7-11-24	1700	Nicely's Del. Service	7-12-24	2300
Nicely's Del. Service	7/12-24	0401		7-12-24	0500

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
3.6	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY): 7/10/24

Received by Pace Beaver
Therm ID 24 Corr Factor +/- .0
Receipt Temp 3.6
Corrected Temp 3.6
Correct Preservation (Y) / N

Client _____

Site Buffalo terminal

Page _____ of _____

Profile/EZ Login Number 303045

Notes _____

		Amber Glass					Plastic								Vials					Other									
Sample Line Item	Matrix	AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	WT	6	1					1				1				W													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer	EZI	5g Encore
12GN	1/2 gallon cubitainer	VOAK	Kit Volatile Solid
SP5T	120mL coliform Na Thiosulfate	I	Wipe/Swab
BP		LC	Siploc Bag
BP			
BP		T	Water
BP			Solid
BI		-	Non-Aq Liquid
BP3B	250mL plastic NAOH	WP	Wipe
BP2S	500mL plastic H2SO4		
BP2U	500mL plastic unpreserved		

WO#: 30699484
PM: TAW Due Date: 07/25/24
CLIENT: 30BUCKGESBUF

Qualtrax ID: 55678

DC#_Title: ENV-FRM-GBUR-0088 v07_Samp
Greensburg

Effective Date: 01/04/2024

WO# : 30699484

PM: TAW Due Date: 07/25/24
CLIENT: 30BUCKGESBUF

Client Name: Buckeye GCS

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: _____

Initial / Date	
Examined By:	BR 7-11-24
Labeled By:	BR 7-11-24
Temped By:	BR 7-11-24

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Thermometer Used: 17 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 4.0 °C Correction Factor: -0.4 °C Final Temp: 3.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID	✓			
Matrix: WT				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed: BSL Date/Time of Preservation:
				Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)		✓		17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:	✓			Trip blank custody seal present? (YES) or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed: BSL Date: 7-11-24 Survey Meter SN: 25143

pH paper Lot#	D.P.D. Residual Chlorine Lot #
102931	-

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Pace Container Order #3030045

samantha.bayura@pacelabs.com

PLEASE RETURN THIS COPY WITH COC

Addresses

Order By :		Ship To :		Return To:	
Company	Buckeye_GES (Buffalo)	Company	Buckeye_GES (Buffalo)	Company	Greensburg, PA (Pace Analytical
Contact	Brandon Mikolin	Contact	Brandon Mikolin	Contact	Samantha Bayura
Email	BMikolin@gesonline.com	Email	BMikolin@gesonline.com	Email	samantha.bayura@pacelabs.com
Address	625 Elk Street	Address	625 Elk Street	Address	1638 Roseytown Road
Address 2		Address 2		Address 2	Suites 2,3,4
City	Buffalo	City	Buffalo	City	Greensburg
State	NY Zip 14210	State	NY Zip 14210	State	PA Zip 15601
Phone	716.601.5575	Phone	716.601.5575	Phone	(724)850-5622

Info

Project Name	Buckeye_Buffalo_Terminal_QTRLY	**Due Date**	12/27/2023	**Profile**	1536	**Quote**	
Project Manager	Bayura, Samantha	**Return Date**		**Carrier**	FedEx Standard Overnight	**Location**	NY

Return Shipping Labels

Return Label Type

- [ ] No Shipper
- [X] With Shipper

Bottle Labels

- [ ] Blank
- [ ] Pre-Printed No Sample IDs
- [X] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [X] Individually Wrapped
- [ ] Grouped By Sample ID/Matrix

Trip Blanks

- [ ] Include Trip Blanks

COC Options

- [ ] Number of Blanks
- [X] Pre-Printed 1

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [ ] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water
- [ ] USDA Regulated Soils
- [ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	1664 SGT-HEM, TPH	3	1L amber glass HCl	3	2	110623-1DAW	2 extra bottles for lam MS/MSD
1	WT	HEM, Oil and Grease	3	1L amber glass HCl	3	2	110623-1DAW	2 extra bottles for lam MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		090423-2EEV	
1	WT	8260C BTEX, MTBE, Naphtha	3	40mL clear VOA vial HCl	3		102323-3CYR	
1	WT	8260C Trip Blank	2	40mL clear VOA vial HCl	2		102323-3CYR	
1	WT	Phenols	1	250mL amber glass H2SO4	1		100923-1HA	
1	WT	Lead	1	250mL plastic HNO3	1		111323-2EIZ	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		071023-2EIY	

Hazard Shipping Placard In Place : N/

WO# : 30699484
PM: TAW Due Date: 07/25/24
CLIENT: 30BUCKGESBUF

*Sample receiving hours are typically 8am-5pm, but m
Manager.
*Pace Analytical reserves the right to return hazardous
*Pace Analytical reserves the right to charge for unuse al.
*Payment term are net 30 days.
*Please include the proposal number on the chain of cu

LAB USE:

Ship Date :	12/26/2023
Prepared By:	David F
Verified By:	

CLIENT USE (Optional):

Date Rec'd:	
Received By:	

Sample Notes :

right solutions.
right partner.

July 18, 2024

Theresa Wilson
Pace Analytical
1638 Roseytown Road
Suites 2, 3 & 4
Greensburg, PA 15601

Work Order: **HN2404184**

Re: **30699484**

Dear Theresa,
Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Jodi Blouw
/S/ JODI BLOUW

Project Manager

Narrative Documents

Client: Pace Analytical
Project: 30699484
Sample Matrix: Water

Work Order: HN2404184
Date Received: 16-Jul-2024

CASE NARRATIVE

Sample Receipt:

One water sample was received for analysis at ALS Environmental on 16-Jul-2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Inorganics:

No significant anomalies were noted with this analysis.

Sample Receipt Information

SAMPLE SUMMARY

Client: Pace Analytical
Project: 30699484
Workorder: HN2404184

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2404184-001	SPDES 001 QRTLY	WATER	07/10/24 15:30	07/16/24 08:30

Environmental Division
Holland

Work Order Reference
HN2404184

Telephone : +1 616 399 6070

Workorder Name: Buckeye_Buffalo_Terminal_QTRLY **Results Requested By:** 7/25/2024

Subcontract To

ALS-Holland
3352 128th Ave
Holland, MI 49424

P.O._____

Suites 2,3,4
Greensburg, PA 15601
Phone (724)850-5600
Email: theresa.wilson@pacelabs.com

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Total phenolics	LAB USE ONLY
1	SPDES 001 QTRLY	7/10/2024 13:30	30699484001	Water		X	
2							
3							
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	B Rull	7/15/24 1700		7-16-24
2				0830
3				

Comments

Cooler Temperature on Receipt 1.7 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

BF2 8057

ALS Holland Sample Receiving Checklist

Received by:	
Date/Time:	7-16-24 0830
Carrier Name:	fedex
Shipping container/cooler in good condition?	Yes / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / Not Present
Custody seals intact on sample bottles?	Yes / No / Not Present
Chain of Custody present?	Yes / No
COC signed when relinquished and received?	Yes / No
COC agrees with sample labels?	Yes / No
Samples in proper container/bottle?	Yes / No
Sample containers intact?	Yes / No
Sufficient sample volume for indicated test?	Yes / No
All samples received within holding time?	Yes / No
Container/Temp Blank temperature in compliance?	Yes / No
Temperature(s) (°C):	1.7/1.7
Thermometer(s):	DF2
Sample(s) received on ice?	Yes / No
Matrix/Matrices:	water
Cooler(s)/Kit(s):	
Date/Time sample(s) sent to storage:	7-16-24
Water – VOA vials have zero headspace?	Yes / No / No Vials
Water – pH acceptable upon receipt?	Yes / No / N/A
pH strip lot #: _____	< 2 ___ > 12 ___ Other ___
pH adjusted (note adjustments below)?	Yes / No / N/A
pH adjusted by:	

Login Notes:

Environmental Division
Holland
Work Order Reference
HN2404184

Pace®

Workorder Name: Buckeye_Buffalo_Terminal_QTRLY

Results Requested By: 7/25/2024

Subcontract To

ALS-Holland
3352 128th Ave
Holland, MI 49424

P.O.

Telephone : +1 616 399 6070

Suites 2,3,4
Greensburg, PA 15601
Phone (724)850-5600
Email: theresa.wilson@pacelabs.com

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Total phenolics	LAB USE ONLY
1	SPDES 001 QTRLY	7/10/2024 13:30	30699484001	Water		X	
2							
3							
4							
5							

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1	B Rull	7/15/24 1700		7-16-24
2				0830
3				

Cooler Temperature on Receipt 1.7 °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

OFZ 8057

ALS Holland Sample Receiving Checklist

Received by:	
Date/Time:	7-16-24 0830
Carrier Name:	fedex
Shipping container/cooler in good condition?	Yes / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / Not Present
Custody seals intact on sample bottles?	Yes / No / Not Present
Chain of Custody present?	Yes / No
COC signed when relinquished and received?	Yes / No
COC agrees with sample labels?	Yes / No
Samples in proper container/bottle?	Yes / No
Sample containers intact?	Yes / No
Sufficient sample volume for indicated test?	Yes / No
All samples received within holding time?	Yes / No
Container/Temp Blank temperature in compliance?	Yes / No
Temperature(s) (°C):	1.7/1.7
Thermometer(s):	DF2
Sample(s) received on ice?	Yes / No
Matrix/Matrices:	water
Cooler(s)/Kit(s):	
Date/Time sample(s) sent to storage:	7-16-24
Water – VOA vials have zero headspace?	Yes / No / No Vials
Water – pH acceptable upon receipt?	Yes / No / N/A
pH strip lot #: _____	**< 2** 0 **> 12** _____ **Other** _____
pH adjusted (note adjustments below)?	Yes / No / N/A
pH adjusted by:	

Login Notes:

Miscellaneous Forms

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications[1]

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	1/1/2024	12/31/2024
Colorado	UST		6/21/2024	6/30/2025
Connecticut	Drinking Water (Secondary)	PH-0155	1/23/2023	12/31/2024
Florida	NELAP (Primary)	E871106	7/1/2024	6/30/2025
Illinois	NELAP (Secondary)	200076	12/14/2023	12/31/2024
Indiana	Drinking Water (Secondary)	C-MI-08	4/4/2024	9/4/2026
Iowa	State Specific	403	9/18/2023	9/1/2025
Kansas	NELAP (Secondary)	E-10411	7/26/2023	7/31/2024
Kentucky	Waste Water	KY98004	12/5/2023	12/31/2024
Kentucky	UST	120474	6/24/24	6/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	9/4/2026
Minnesota	NELAP (Secondary)	026-999-449	12/29/2023	12/31/2024
New Jersey	NELAP (Secondary)	MI015	7/1/2024	6/30/2025
New York	Drinking Water (Secondary)	12128	3/29/2024	4/1/2025
North Dakota	State Specific	R-192	9/12/2023	6/30/2024
Ohio	Drinking Water (Secondary)	87783	7/1/2024	6/30/2025
Pennsylvania	NELAP (Secondary)	68-03827	6/14/2024	7/31/2025
Texas	NELAP (Secondary)	T104704494	2/1/2024	1/31/2025
USDA	Domestic CA	Soil-MI-007	8/21/2023	2/18/2025
USDA	Soil Import	P330-19-00039	3/3/2023	3/3/2026
West Virginia	State Specific	355	6/24/2024	8/31/2025
Wisconsin	State Specific	399084510	8/11/2023	8/31/2024

1 - Scope available upon request

ANALYST SUMMARY

Client:	Pace Analytical	**Work Order:**	HN2404184
Project:	30699484		

Sample Name:	SPDES 001 QRTLY	**Date Collected:**	07/10/24
Laboratory Code:	HN2404184-001	**Date Received:**	07/16/24
Sample Matrix:	WATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 420.4	1549344	Riley Miller	2406315	Riley Miller

Sample Results

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30699484/
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: 07/10/24 15:30
Date Received: 07/16/24 08:30

Sample Name: SPDES 001 QRTLY
Laboratory Code: HN2404184-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	07/17/24 15:38	07/17/24 13:22	

QC Summary Forms

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30699484/
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Laboratory Code: QC-1549344-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	07/17/24 15:24	07/17/24 13:23	

QA/QC Report

Client: Pace Analytical
Project: 30699484
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: 07/10/2024
Date Received: 07/16/2024
Date Analyzed: 07/17/2024
Date Extracted: 07/17/2024

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SPDES 001 QRTLY
Laboratory Code: HN2404184-001
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2406315

Matrix Spike
QC-1549344-004

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Total Phenolics	ND	0.0917	0.1	90.5	90-110

QA/QC Report

Client: Pace Analytical
Project: 30699484
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: 07/10/2024
Date Received: 07/16/2024
Date Analyzed: 07/17/2024
Date Extracted: 07/17/2024

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: SPDES 001 QRTLY
Laboratory Code: HN2404184-001
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2406315

	Matrix Spike				Duplicate Matrix Spike					
	QC-1549344-004				QC-1549344-005					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Total Phenolics	ND	0.0917	0.1	90.5	0.0926	0.1	91.4	90-110	0.960	20

QA/QC Report

Client: Pace Analytical
Project: 30699484
Sample Matrix: WATER

Work Order: HN2404184
Date Analyzed: 07/17/2024
Date Extracted: 07/17/2024

Laboratory Control Sample Summary
General Chemistry Parameters
Total Phenolics

Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2406315

Sample Name	Laboratory Code	Result	Spike Amount	% Rec	% Rec Limits
Laboratory Control Sample	QC-1549344-002	0.101	0.1	101	90-110

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 08/01/24 to 08/31/24**	**DMR Due Date:**	**09/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	218250.0	=	503000.0	07 - gal/d								0	01/30 - Monthly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - INSTAN
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	8.0			=	8.0	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_August_2024_DMR.pdf	pdf	1749433.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-09-04 11:42 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2024-09-04 12:58 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 08/01/24 to 08/31/24**	**DMR Due Date:**	**09/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_August_2024_DMR.pdf	pdf	1749433.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-09-04 11:42 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-09-04 12:58 (Time Zone: -04:00)

DMR Copy of Record

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 08/01/24 to 08/31/24**	**DMR Due Date:**	**09/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - INSTAN
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - GRAB
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_August_2024_DMR.pdf	pdf	1749433.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-09-04 11:42 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-09-04 12:58 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 08/01/24 to 08/31/24**	**DMR Due Date:**	**09/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_August_2024_DMR.pdf	pdf	1749433.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-09-04 11:42 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-09-04 12:58 (Time Zone: -04:00)

Buckeye SPDES pH Form

Sample pH Checklist

1. Time / Date collected	8/7/24 0930		
2.Clorine PPM via test strip	–		
3. Weather conditions	Sunny 60's		
4. Physical description of sample	Clear no odor		
5. Trip Blanks shipped with sample?	Yes	(No)	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	22.8°C	
	7.00	22.8°C	
	10.00	22.7°C	
13. Final pH of Sample?	7.83	20.9°C	
14. Duplicate? Yes (No)			
15. Buffer Discarded?	Yes	No	

16. Time Analyzed 0940

Name: Mi Reisch

Date: 8/7/24

pH Meter tip replaced	
New 9/1/2023	
pH Meter Manufacturer	Extech
Model #	PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

September 4, 2024

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of August 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On August 7, 2024, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on August 7, 2024.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

August 21, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on August 08, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30707341001	**SPDES 001 MTHLY**	Water	08/07/24 09:30	08/08/24 09:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30707341001	**SPDES 001 MTHLY**	EPA 1664A	RSY	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

Sample: SPDES 001 MTHLY **Lab ID: 30707341001** Collected: 08/07/24 09:30 Received: 08/08/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		08/20/24 14:39		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	ND	mg/L	4.0	1		08/12/24 09:06		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**8.0**	Std. Units	2.0	1		08/09/24 13:26		H3,H6

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

QC Batch: 690613
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30707341001

METHOD BLANK: 3362688 Matrix: Water
Associated Lab Samples: 30707341001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	08/20/24 14:37	

LABORATORY CONTROL SAMPLE: 3362689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	41.7	104	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3362690 3362691

Parameter	Units	30706976002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	39.8	23.7	97	57	78-114	51	18	ML,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

QC Batch: 688679
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30707341001

METHOD BLANK: 3353102 Matrix: Water
Associated Lab Samples: 30707341001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	08/12/24 09:06	

LABORATORY CONTROL SAMPLE: 3353103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	107	107	80-120	

SAMPLE DUPLICATE: 3353104

Parameter	Units	30707744002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

SAMPLE DUPLICATE: 3353105

Parameter	Units	30708115003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	4.0 U	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

QC Batch: 688470
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30707341001

SAMPLE DUPLICATE: 3351932

Parameter	Units	30706620001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.2	3	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye_Buffalo_Terminal_Month
Pace Project No.: 30707341

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30707341001	**SPDES 001 MTHLY**	EPA 1664A	690613		
30707341001	**SPDES 001 MTHLY**	SM 2540D-2015	688679		
30707341001	**SPDES 001 MTHLY**	SM 4500H+B-2011	688470		

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8/7/24

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: Lab is direct bill to Buckeye
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC / OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOLID/SOLID	SL
OIL	OL
	WP
	AR
	OT
	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: Oil and Grease	TSS	PH	BTEX, Naphthalene	MTBE	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 MTHLY	wt	g	7-Aug	930				4	1			3						3	1	1						CCI
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible]	8/7	1430	[illegible]	8-8-24	[illegible]
					0940

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
3.6	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. Rickler

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 08/07/24

WO# : 30707341

30707341

Client _____

Site _____

Page _____ of _____

Profile/EZ Login Number 303006

Notes _____

		Amber Glass					Plastic								Vials					Other									
Sample Line Item	Matrix	AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	wt	3						1																					

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	120mL coliform Na Thiosulfate
BP3B	250mL plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 30707341
PM: TAW Due Date: 08/22/24
CLIENT: 30BUCKGESBUF

Qualtrax ID: 55678

DC#_Title: ENV-FRM-GBUR-0088 v07_Sa... Upon Receipt-
Greensburg

Effective Date: 01/04/2024

WO# : 30707341

PM: TAW Due Date: 08/22/24

CLIENT: 30BUCKGESBUF

Client Name: Buckeye Ges

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: _____

Initial / Date

Examined By: BK 8-8-24

Labeled By: BK 8-8-24

Temped By: BK 8-8-24

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Thermometer Used: 7 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 3.9 °C Correction Factor: -.03 °C Final Temp: 3.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 10D2931 / D.P.D. Residual Chlorine Lot # –
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID	✓			
Matrix: WT				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed: FSR / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed: FSR / Date: 8-8-24 / Survey Meter SN: 2504380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 09/01/24 to 09/30/24**	**DMR Due Date:**	**10/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	28000.0	=	28000.0	07 - gal/d								0	01/30 - Monthly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - INSTAN
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.4			=	7.4	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_September_2024_DMR.pdf	pdf	6215836.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-10-07 11:10 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2024-10-10 15:24 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-Q** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 07/01/24 to 09/30/24**	**DMR Due Date:**	**10/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01051	**Lead, total [as Pb]**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34030	**Benzene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34696	**Naphthalene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.13 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
82181	**Hydrocarbons, total petroleum**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_September_2024_DMR.pdf	pdf	6215836.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-10-07 11:10 (Time Zone: -04:00)

Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-10-10 15:24 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-V** QUARTERLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 07/01/24 to 09/30/24**	**DMR Due Date:**	**10/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.05 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34010	**Toluene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
34371	**Ethylbenzene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
46000	**Phenols**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_September_2024_DMR.pdf	pdf	6215836.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User: BMIKOLIN83

Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-10-07 11:10 (Time Zone: -04:00)
Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-10-10 15:24 (Time Zone: -04:00)

DMR Copy of Record

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 09/01/24 to 09/30/24**	**DMR Due Date:**	**10/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

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Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-10-07 11:11 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-10-10 15:24 (Time Zone: -04:00)

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 09/01/24 to 09/30/24**	**DMR Due Date:**	**10/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - INSTAN
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - GRAB
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

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BUCKEYE TERMINAL, LLC

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Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-10-07 11:11 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-10-10 15:24 (Time Zone: -04:00)

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 09/01/24 to 09/30/24**	**DMR Due Date:**	**10/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

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Buckeye_Buffalo_Terminal_September_2024_DMR.pdf	pdf	6215836.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-10-10 07:44 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-10-10 15:24 (Time Zone: -04:00)

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

October 7, 2024

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide copies of the *Discharge Monitoring Report* for the month of September 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On September 11, 2024, samples were collected from the storm-water discharge location identified as “Outfall 001.” The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the “Outfall 001” sample collected on September 11, 2024.

Quarterly sampling for benzene, toluene, ethylbenzene, total xylenes, naphthalene, methyl tert-butyl ether (MTBE), total phenols, total petroleum hydrocarbons (TPH), and lead was conducted on July 10, 2024. The quarterly sampling results are reported with this submittal. No exceedances of the SPDES permit parameters were detected in the “Outfall 001” sample collected on July 10, 2024.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 4, 2024

Rob Sickler
GES - Syracuse, NY
6780 Northern Boulevard
East Syracuse, NY 13057

Project Location: 625 Elk Street, Buffalo, NY
Client Job Number:
Project Number: 0901886/0400/0405
Laboratory Work Order Number: 24I1646

Enclosed are results of analyses for samples as received by the laboratory on September 12, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

Table of Contents

Sample Summary 3

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Sample Results 5

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Sample Preparation Information 6

QC Data 7

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) 7

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B387155 7

B388110 7

Flag/Qualifier Summary 8

Certifications 9

Chain of Custody/Sample Receipt 10

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

GES - Syracuse, NY
6780 Northern Boulevard
East Syracuse, NY 13057
ATTN: Rob Sickler

REPORT DATE: 10/4/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0901886/0400/0405

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24I1646

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 625 Elk Street, Buffalo, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SPDES 001 MTHLY	24I1646-01	Water		EPA 1664B SM21-23 2540D SM21-23 4500 H B	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SM21-23 2540D

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Total Suspended Solids
24I1646-01[SPDES 001 MTHLY]

SM21-23 4500 H B

Qualifications:

H-05

Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH
24I1646-01[SPDES 001 MTHLY]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 625 Elk Street, Buffalo, NY | Sample Description: | Work Order: 24I1646

Date Received: 9/12/2024

Field Sample #: SPDES 001 MTHLY | Sampled: 9/11/2024 09:30

Sample ID: 24I1646-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @19.2°C	7.4		pH Units	1	H-05	SM21-23 4500 H B	9/24/24	9/24/24 20:30	JEC
Total Suspended Solids	ND	2.5	mg/L	1	H-01	SM21-23 2540D	9/20/24	9/20/24 11:35	LL
Oil & Grease (HEM)	ND	5.0	mg/L	1		EPA 1664B	10/3/24	10/3/24 11:40	ll

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Sample Extraction Data

EPA 1664B

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I1646-01 [SPDES 001 MTHLY]	B388110	1000	10/03/24

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I1646-01 [SPDES 001 MTHLY]	B386704	1000	09/20/24

SM21-23 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I1646-01 [SPDES 001 MTHLY]	B387155	50.0	09/24/24

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386704 - SM21-23 2540D										
Blank (B386704-BLK1)				Prepared & Analyzed: 09/20/24						
Total Suspended Solids	ND	2.5	mg/L							
LCS (B386704-BS1)				Prepared & Analyzed: 09/20/24						
Total Suspended Solids	133	25	mg/L	200.0		66.5	51.5-130			
Batch B387155 - SM21-23 4500 H B										
LCS (B387155-BS1)				Prepared & Analyzed: 09/24/24						
pH	5.93		pH Units	6.000		98.8	90-110			
Batch B388110 - EPA 1664B										
Blank (B388110-BLK1)				Prepared & Analyzed: 10/03/24						
Oil & Grease (HEM)	ND	5.0	mg/L							
Blank (B388110-BLK2)				Prepared & Analyzed: 10/03/24						
Oil & Grease (HEM)	ND	200	mg/L							
LCS (B388110-BS1)				Prepared & Analyzed: 10/03/24						
Oil & Grease (HEM)	19	5.0	mg/L	20.00		95.5	78-114			
LCS (B388110-BS2)				Prepared & Analyzed: 10/03/24						
Oil & Grease (HEM)	700	200	mg/L	800.0		87.0	78-114			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-01	Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 1664B in Water	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
SM21-23 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
SM21-23 4500 H B in Water	
pH	CT,MA,RI

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
RI	Rhode Island Department of Health	LAO00373	12/30/2024
NC	North Carolina Div. of Water Quality	652	12/31/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

24I1646KAF

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

9/11/24

Section A Required Client Information:

Company: Groundwater & Environmental Services	
Address: 625 Elk St	
Buffalo NY 14210	
Email To: rsickler@gesonline.com	
Phone: 800-220-3089, x4052	Fax: None
Requested Due Date/TAT: Std.	

Section B Required Project Information:

Report To:rsickler@gesonline.com	
Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	
GES project #: 0901886/0400/0405	
Purchase Order No.: Direct bill to Buckeye	
Project Name: Buckeye Buffalo Terminal	
Project Number: DUNS# 0901791	

Section C Invoice Information:

Attention:	
Company Name: Buckeye	
Address:	
Pace Quote Reference: Lab is direct bill to Buckeye	
Pace Project Manager: Justin Horn	
Pace Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)

Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: Oil and Grease	TSS	PH	BTEX, Naphthalene, MTBE	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 MTHLY	wt	g	11-Sep	930				4	1			3					3	1	1						
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

Filtered (Y/N)

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible]	9/11	1345	Jocelyn Foley (PACE)	9/11/24	13:45
Jocelyn Foley (PACE)	9/11/24	8:45	Buffalo Service Center	9/11/24	13:45
Buffalo SC	9/11/24	1530	Russell B Bishop	9-11-24	1530
Russell B Bishop	9/11/24	8:20			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: L. Reisch

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 9/11/24

SAMPLE CONDITIONS				
Temp In °C				
Received on Ice	Y/N	Y/N	Y/N	Y/N
Custody Sealed Cooler	Y/N	Y/N	Y/N	Y/N
Samples Intact	Y/N	Y/N	Y/N	Y/N

9/12/24 1035

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Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client GES

Project Buckeye Buffalo Terminal

MCP/RCP Required N/A

Deliverable Package Requirement NA

Location 625 Elk St, Buffalo, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MEM 9/12/24 1035

Back-Sheet By / Date / Time STM 9/12/24 1959

Temperature Method Gun #3

WV samples: Yes (see note*) (No) (follow normal procedure)

Temp ☒ ≤ 6° C Actual Temperature 4.3

Rush Samples: Yes (No) Notify

Short Hold: (Yes) No Notify Javier

Notes regarding Samples/COC outside of SOP:

past hold for pH

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☐	☒
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: N/A ☒ ☐

Additional Container Notes

**Note: West Virginia requires all samples to have their temperature taken. Note any outliers.*

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

Sample	Soils Jars (Circle Amb/Clear)				Ambers							Plastics											VOA Vials					Other / Fill in					
					1 Liter			250mL			100mL	1 Liter		500mL		250mL																	
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact					
1						3						—																					
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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

July 29, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on July 11, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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CERTIFICATIONS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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SAMPLE SUMMARY

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30699484001	**SPDES 001 QTRLY**	Water	07/10/24 13:30	07/11/24 09:40
30699484002	**--------**	Water	07/10/24 00:00	07/11/24 09:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30699484001	**SPDES 001 QTRLY**	EPA 6010D	JWT	1	PASI-MV
		EPA 8260C	AJC	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Sample: SPDES 001 QTRLY **Lab ID: 30699484001** Collected: 07/10/24 13:30 Received: 07/11/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	07/23/24 07:14	07/23/24 17:06	7439-92-1	1c
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		07/17/24 17:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/17/24 17:49	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/17/24 17:49	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		07/17/24 17:49	91-20-3	CL
Toluene	ND	ug/L	1.0	1		07/17/24 17:49	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/17/24 17:49	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%.	70-130	1		07/17/24 17:49	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	70-130	1		07/17/24 17:49	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130	1		07/17/24 17:49	17060-07-0	
Dibromofluoromethane (S)	98	%.	70-130	1		07/17/24 17:49	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		07/15/24 12:23		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		07/15/24 12:37		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**18.0**	mg/L	4.0	1		07/15/24 08:52		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**7.9**	Std. Units	2.0	1		07/12/24 14:54		H3,H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 356167
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30699484001

METHOD BLANK: 1848393 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	07/23/24 17:03	1c

LABORATORY CONTROL SAMPLE: 1848394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	505	101	80-120	1c

MATRIX SPIKE SAMPLE: 1848396

Parameter	Units	70305106002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<5.0	500	530	106	75-125	1c

SAMPLE DUPLICATE: 1848395

Parameter	Units	70305106002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<5.0	ND		20	1c

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682997
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3325282 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/17/24 11:52	
Ethylbenzene	ug/L	ND	1.0	07/17/24 11:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/17/24 11:52	
Naphthalene	ug/L	ND	4.0	07/17/24 11:52	CL
Toluene	ug/L	ND	1.0	07/17/24 11:52	
Xylene (Total)	ug/L	ND	3.0	07/17/24 11:52	
1,2-Dichloroethane-d4 (S)	%.	104	70-130	07/17/24 11:52	
4-Bromofluorobenzene (S)	%.	98	70-130	07/17/24 11:52	
Dibromofluoromethane (S)	%.	98	70-130	07/17/24 11:52	
Toluene-d8 (S)	%.	98	70-130	07/17/24 11:52	

LABORATORY CONTROL SAMPLE: 3325283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.0	95	70-130	
Ethylbenzene	ug/L	20	19.2	96	63-135	
Methyl-tert-butyl ether	ug/L	20	19.9	99	63-130	
Naphthalene	ug/L	20	17.8	89	30-166	CL
Toluene	ug/L	20	19.2	96	70-130	
Xylene (Total)	ug/L	60	58.1	97	70-130	
1,2-Dichloroethane-d4 (S)	%.			104	70-130	
4-Bromofluorobenzene (S)	%.			105	70-130	
Dibromofluoromethane (S)	%.			98	70-130	
Toluene-d8 (S)	%.			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3325284 3325285

Parameter	Units	30698571001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1.0 U	20	20	22.8	25.5	114	128	17-162	11	30	
Ethylbenzene	ug/L	1.0 U	20	20	21.7	24.1	109	120	51-132	10	30	
Methyl-tert-butyl ether	ug/L	0.54J	20	20	27.8	31.1	136	153	24-144	11	30	MH
Naphthalene	ug/L	4.0 U	20	20	20.3	23.5	100	116	13-168	14	30	CL
Toluene	ug/L	1.0 U	20	20	22.8	25.0	114	125	52-131	9	30	
Xylene (Total)	ug/L	3.0 U	60	60	65.0	72.3	108	120	51-130	11	30	
1,2-Dichloroethane-d4 (S)	%.						109	108	70-130			
4-Bromofluorobenzene (S)	%.						103	102	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3325284 3325285

Parameter	Units	30698571001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						99	98	70-130			
Toluene-d8 (S)	%.						99	100	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682385
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3322572 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	07/15/24 12:19	

LABORATORY CONTROL SAMPLE: 3322573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	33.6	84	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3322574 3322575

Parameter	Units	30698286001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	35.8	35.0	87	85	78-114	2	18	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682386
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3322576 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	07/15/24 12:30	

METHOD BLANK: 3322577 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	10.0	07/15/24 12:30	2c

LABORATORY CONTROL SAMPLE: 3322578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	13.5	68	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3322579 3322580

Parameter	Units	30698286001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	9.7	9.3	42	40	64-132	4	34	ML

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682319
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30699484001

METHOD BLANK: 3322386 Matrix: Water
Associated Lab Samples: 30699484001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	07/15/24 08:52	

LABORATORY CONTROL SAMPLE: 3322387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	106	106	80-120	

SAMPLE DUPLICATE: 3322388

Parameter	Units	30699170001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	4.0	ND		5	PL

SAMPLE DUPLICATE: 3322389

Parameter	Units	30699511002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

QC Batch: 682147
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30699484001

SAMPLE DUPLICATE: 3321618

Parameter	Units	30699856001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.4	6.4	0	10	H3,H6

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 30699484001

[1]	Trip blank was not received.

BATCH QUALIFIERS

Batch: 356207

[1]	The post digestion spike for sample 70305106002 (PDS 1848506) did not meet acceptance criteria for Silver and Sodium.

ANALYTE QUALIFIERS

1c	The post digestion spike for sample 70305106002 (PDS 1848506) did not meet acceptance criteria for Silver and Sodium.
2c	pH adjusted to <2 in lab at bench prior to analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

ANALYTE QUALIFIERS

PL The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye_Buffalo_Terminal_QTRLY
Pace Project No.: 30699484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30699484001	**SPDES 001 QTRLY**	EPA 3005A	356167	EPA 6010D	356207
30699484001	**SPDES 001 QTRLY**	EPA 8260C	682997		
30699484001	**SPDES 001 QTRLY**	EPA 1664A	682385		
30699484001	**SPDES 001 QTRLY**	EPA 1664A	682386		
30699484001	**SPDES 001 QTRLY**	SM 2540D-2015	682319		
30699484001	**SPDES 001 QTRLY**	SM 4500H+B-2011	682147		

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7/10/24

WO# : 30699484

30699484

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fiel

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmlkolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: Lab is direct bill to Buckeye
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE TS; OTHER OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil and Grease	TSS, pH	BTEX, MTBE, Naphth	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 QTRLY	wt	g	7/10	1330				12	1	1	1	9					3	1	3	1	3	1		OC
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	7/10	1500		7-11-24	0940
	7-11-24	1700	Nicely's Del. Service	7-12-24	2300
Nicely's Del. Service	7/12-24	0401		7-12-24	0500

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
3.6	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY): 7/10/24

Received by Pace Beaver
Therm ID 24 Corr Factor +/- .0
Receipt Temp 3.6
Corrected Temp 3.6
Correct Preservation (Y) / N

Client _____

Site Buffalo terminal

Page _____ of _____

Profile/EZ Login Number 303045

Notes _____

		Amber Glass					Plastic								Vials					Other									
Sample Line Item	Matrix	AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	WT	6	1					1				1				W													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer	EZI	5g Encore
12GN	1/2 gallon cubitainer	VOAK	Kit Volatile Solid
SP5T	120mL coliform Na Thiosulfate	I	Wipe/Swab
BP		LC	Siploc Bag
BP			
BP		T	Water
BP			Solid
BI		-	Non-Aq Liquid
BP3B	250mL plastic NAOH	WP	Wipe
BP2S	500mL plastic H2SO4		
BP2U	500mL plastic unpreserved		

WO#: 30699484
PM: TAW Due Date: 07/25/24
CLIENT: 30BUCKGESBUF

Qualtrax ID: 55678

DC#_Title: ENV-FRM-GBUR-0088 v07_Samp
Greensburg

Effective Date: 01/04/2024

WO# : 30699484

PM: TAW Due Date: 07/25/24
CLIENT: 30BUCKGESBUF

Client Name: Buckeye GCS

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: _____

Initial / Date	
Examined By:	BR 7-11-24
Labeled By:	BR 7-11-24
Temped By:	BR 7-11-24

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Thermometer Used: 17 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 4.0 °C Correction Factor: -0.4 °C Final Temp: 3.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID	✓			
Matrix: WT				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed: BSL Date/Time of Preservation:
				Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)		✓		17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:	✓			Trip blank custody seal present? (YES) or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed: BSL Date: 7-11-24 Survey Meter SN: 25143

pH paper Lot#	D.P.D. Residual Chlorine Lot #
102931	-

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Pace Container Order #3030045

samantha.bayura@pacelabs.com

PLEASE RETURN THIS COPY WITH COC

Addresses

Order By :		Ship To :		Return To:	
Company	Buckeye_GES (Buffalo)	Company	Buckeye_GES (Buffalo)	Company	Greensburg, PA (Pace Analytical
Contact	Brandon Mikolin	Contact	Brandon Mikolin	Contact	Samantha Bayura
Email	BMikolin@gesonline.com	Email	BMikolin@gesonline.com	Email	samantha.bayura@pacelabs.com
Address	625 Elk Street	Address	625 Elk Street	Address	1638 Roseytown Road
Address 2		Address 2		Address 2	Suites 2,3,4
City	Buffalo	City	Buffalo	City	Greensburg
State	NY Zip 14210	State	NY Zip 14210	State	PA Zip 15601
Phone	716.601.5575	Phone	716.601.5575	Phone	(724)850-5622

Info

Project Name	Buckeye_Buffalo_Terminal_QTRLY	**Due Date**	12/27/2023	**Profile**	1536	**Quote**	
Project Manager	Bayura, Samantha	**Return Date**		**Carrier**	FedEx Standard Overnight	**Location**	NY

Return Shipping Labels

Return Label Type

- [ ] No Shipper
- [X] With Shipper

Bottle Labels

- [ ] Blank
- [ ] Pre-Printed No Sample IDs
- [X] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [X] Individually Wrapped
- [ ] Grouped By Sample ID/Matrix

Trip Blanks

- [ ] Include Trip Blanks

COC Options

- [ ] Number of Blanks
- [X] Pre-Printed 1

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [ ] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water
- [ ] USDA Regulated Soils
- [ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	1664 SGT-HEM, TPH	3	1L amber glass HCl	3	2	110623-1DAW	2 extra bottles for lam MS/MSD
1	WT	HEM, Oil and Grease	3	1L amber glass HCl	3	2	110623-1DAW	2 extra bottles for lam MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		090423-2EEV	
1	WT	8260C BTEX, MTBE, Naphtha	3	40mL clear VOA vial HCl	3		102323-3CYR	
1	WT	8260C Trip Blank	2	40mL clear VOA vial HCl	2		102323-3CYR	
1	WT	Phenols	1	250mL amber glass H2SO4	1		100923-1HA	
1	WT	Lead	1	250mL plastic HNO3	1		111323-2EIZ	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		071023-2EIY	

Hazard Shipping Placard In Place : N/

WO# : 30699484
PM: TAW Due Date: 07/25/24
CLIENT: 30BUCKGESBUF

*Sample receiving hours are typically 8am-5pm, but m
Manager.
*Pace Analytical reserves the right to return hazardous
*Pace Analytical reserves the right to charge for unuse al.
*Payment term are net 30 days.
*Please include the proposal number on the chain of cu

LAB USE:

Ship Date :	12/26/2023
Prepared By:	David F
Verified By:	

CLIENT USE (Optional):

Date Rec'd:	
Received By:	

Sample Notes :

right solutions.
right partner.

July 18, 2024

Theresa Wilson
Pace Analytical
1638 Roseytown Road
Suites 2, 3 & 4
Greensburg, PA 15601

Work Order: **HN2404184**

Re: **30699484**

Dear Theresa,
Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Jodi Blouw
/S/ JODI BLOUW

Project Manager

Narrative Documents

Client: Pace Analytical
Project: 30699484
Sample Matrix: Water

Work Order: HN2404184
Date Received: 16-Jul-2024

CASE NARRATIVE

Sample Receipt:

One water sample was received for analysis at ALS Environmental on 16-Jul-2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Inorganics:

No significant anomalies were noted with this analysis.

Sample Receipt Information

SAMPLE SUMMARY

Client: Pace Analytical
Project: 30699484
Workorder: HN2404184

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2404184-001	SPDES 001 QRTLY	WATER	07/10/24 15:30	07/16/24 08:30

Environmental Division
Holland

Work Order Reference
HN2404184

Telephone : +1 616 399 6070

Workorder Name: Buckeye_Buffalo_Terminal_QTRLY **Results Requested By:** 7/25/2024

Subcontract To

ALS-Holland
3352 128th Ave
Holland, MI 49424

P.O._____

Suites 2,3,4
Greensburg, PA 15601
Phone (724)850-5600
Email: theresa.wilson@pacelabs.com

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Total phenolics	LAB USE ONLY
1	SPDES 001 QTRLY	7/10/2024 13:30	30699484001	Water		X	
2							
3							
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	B Rull	7/15/24 1700		7-16-24
2				0830
3				

Comments

Cooler Temperature on Receipt 1.7 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

BF2 8057

ALS Holland Sample Receiving Checklist

Received by:	
Date/Time:	7-16-24 0830
Carrier Name:	fedex
Shipping container/cooler in good condition?	Yes / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / Not Present
Custody seals intact on sample bottles?	Yes / No / Not Present
Chain of Custody present?	Yes / No
COC signed when relinquished and received?	Yes / No
COC agrees with sample labels?	Yes / No
Samples in proper container/bottle?	Yes / No
Sample containers intact?	Yes / No
Sufficient sample volume for indicated test?	Yes / No
All samples received within holding time?	Yes / No
Container/Temp Blank temperature in compliance?	Yes / No
Temperature(s) (°C):	1.7/1.7
Thermometer(s):	DF2
Sample(s) received on ice?	Yes / No
Matrix/Matrices:	water
Cooler(s)/Kit(s):	
Date/Time sample(s) sent to storage:	7-16-24
Water – VOA vials have zero headspace?	Yes / No / No Vials
Water – pH acceptable upon receipt?	Yes / No / N/A
pH strip lot #: _____	< 2 ___ > 12 ___ Other ___
pH adjusted (note adjustments below)?	Yes / No / N/A
pH adjusted by:	

Login Notes:

Environmental Division
Holland
Work Order Reference
HN2404184

Pace®

Workorder Name: Buckeye_Buffalo_Terminal_QTRLY

Results Requested By: 7/25/2024

Subcontract To

ALS-Holland
3352 128th Ave
Holland, MI 49424

P.O.

Telephone : +1 616 399 6070

Suites 2,3,4
Greensburg, PA 15601
Phone (724)850-5600
Email: theresa.wilson@pacelabs.com

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Total phenolics	LAB USE ONLY
1	SPDES 001 QTRLY	7/10/2024 13:30	30699484001	Water		X	
2							
3							
4							
5							

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1	B Rull	7/15/24 1700		7-16-24
2				0830
3				

Cooler Temperature on Receipt 1.7 °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

OFZ 8057

ALS Holland Sample Receiving Checklist

Received by:	
Date/Time:	7-16-24 0830
Carrier Name:	fedex
Shipping container/cooler in good condition?	Yes / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / Not Present
Custody seals intact on sample bottles?	Yes / No / Not Present
Chain of Custody present?	Yes / No
COC signed when relinquished and received?	Yes / No
COC agrees with sample labels?	Yes / No
Samples in proper container/bottle?	Yes / No
Sample containers intact?	Yes / No
Sufficient sample volume for indicated test?	Yes / No
All samples received within holding time?	Yes / No
Container/Temp Blank temperature in compliance?	Yes / No
Temperature(s) (°C):	1.7/1.7
Thermometer(s):	DF2
Sample(s) received on ice?	Yes / No
Matrix/Matrices:	water
Cooler(s)/Kit(s):	
Date/Time sample(s) sent to storage:	7-16-24
Water – VOA vials have zero headspace?	Yes / No / No Vials
Water – pH acceptable upon receipt?	Yes / No / N/A
pH strip lot #: _____	**< 2** 0 **> 12** _____ **Other** _____
pH adjusted (note adjustments below)?	Yes / No / N/A
pH adjusted by:	

Login Notes:

Miscellaneous Forms

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications[1]

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	1/1/2024	12/31/2024
Colorado	UST		6/21/2024	6/30/2025
Connecticut	Drinking Water (Secondary)	PH-0155	1/23/2023	12/31/2024
Florida	NELAP (Primary)	E871106	7/1/2024	6/30/2025
Illinois	NELAP (Secondary)	200076	12/14/2023	12/31/2024
Indiana	Drinking Water (Secondary)	C-MI-08	4/4/2024	9/4/2026
Iowa	State Specific	403	9/18/2023	9/1/2025
Kansas	NELAP (Secondary)	E-10411	7/26/2023	7/31/2024
Kentucky	Waste Water	KY98004	12/5/2023	12/31/2024
Kentucky	UST	120474	6/24/24	6/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	9/4/2026
Minnesota	NELAP (Secondary)	026-999-449	12/29/2023	12/31/2024
New Jersey	NELAP (Secondary)	MI015	7/1/2024	6/30/2025
New York	Drinking Water (Secondary)	12128	3/29/2024	4/1/2025
North Dakota	State Specific	R-192	9/12/2023	6/30/2024
Ohio	Drinking Water (Secondary)	87783	7/1/2024	6/30/2025
Pennsylvania	NELAP (Secondary)	68-03827	6/14/2024	7/31/2025
Texas	NELAP (Secondary)	T104704494	2/1/2024	1/31/2025
USDA	Domestic CA	Soil-MI-007	8/21/2023	2/18/2025
USDA	Soil Import	P330-19-00039	3/3/2023	3/3/2026
West Virginia	State Specific	355	6/24/2024	8/31/2025
Wisconsin	State Specific	399084510	8/11/2023	8/31/2024

1 - Scope available upon request

ANALYST SUMMARY

Client:	Pace Analytical	**Work Order:**	HN2404184
Project:	30699484		

Sample Name:	SPDES 001 QRTLY	**Date Collected:**	07/10/24
Laboratory Code:	HN2404184-001	**Date Received:**	07/16/24
Sample Matrix:	WATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 420.4	1549344	Riley Miller	2406315	Riley Miller

Sample Results

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30699484/
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: 07/10/24 15:30
Date Received: 07/16/24 08:30

Sample Name: SPDES 001 QRTLY
Laboratory Code: HN2404184-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	07/17/24 15:38	07/17/24 13:22	

QC Summary Forms

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30699484/
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Laboratory Code: QC-1549344-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	07/17/24 15:24	07/17/24 13:23	

QA/QC Report

Client: Pace Analytical
Project: 30699484
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: 07/10/2024
Date Received: 07/16/2024
Date Analyzed: 07/17/2024
Date Extracted: 07/17/2024

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SPDES 001 QRTLY
Laboratory Code: HN2404184-001
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2406315

Matrix Spike
QC-1549344-004

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Total Phenolics	ND	0.0917	0.1	90.5	90-110

QA/QC Report

Client: Pace Analytical
Project: 30699484
Sample Matrix: WATER

Work Order: HN2404184
Date Collected: 07/10/2024
Date Received: 07/16/2024
Date Analyzed: 07/17/2024
Date Extracted: 07/17/2024

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: SPDES 001 QRTLY
Laboratory Code: HN2404184-001
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2406315

	Matrix Spike				Duplicate Matrix Spike					
	QC-1549344-004				QC-1549344-005					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Total Phenolics	ND	0.0917	0.1	90.5	0.0926	0.1	91.4	90-110	0.960	20

QA/QC Report

Client: Pace Analytical
Project: 30699484
Sample Matrix: WATER

Work Order: HN2404184
Date Analyzed: 07/17/2024
Date Extracted: 07/17/2024

Laboratory Control Sample Summary
General Chemistry Parameters
Total Phenolics

Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2406315

Sample Name	Laboratory Code	Result	Spike Amount	% Rec	% Rec Limits
Laboratory Control Sample	QC-1549344-002	0.101	0.1	101	90-110

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 10/01/24 to 10/31/24**	**DMR Due Date:**	**11/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_October_2024_DMR.pdf	pdf	3657666.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-11-05 10:53 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-11-07 12:53 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 10/01/24 to 10/31/24**	**DMR Due Date:**	**11/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - INSTAN
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - GRAB
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_October_2024_DMR.pdf	pdf	3657666.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-11-05 10:52 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-11-07 12:53 (Time Zone: -05:00)

DMR Copy of Record

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 10/01/24 to 10/31/24**	**DMR Due Date:**	**11/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-11-05 10:51 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-11-07 12:53 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 10/01/24 to 10/31/24**	**DMR Due Date:**	**11/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	6000.0	=	9000.0	07 - gal/d								0	01/30 - Monthly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - INSTAN
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	8.2			=	8.2	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_October_2024_DMR.pdf	pdf	3657666.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	BMIKOLIN83
Name:	Brandon Mikolin
E-Mail:	bmikolin@gesonline.com
Date/Time:	2024-11-05 10:50 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2024-11-07 12:53 (Time Zone: -05:00)

Buckeye Big Blue SPDES

Big Blue Sample Checklist

1. Time / Date collected	10/16/24 0800			
2.Clorine PPM via test strip	–			
3. Weather conditions	Rain 40s			
4. Physical description of sample	Clear, no odor			
5. Trip Blanks shipped with sample?	Yes	(No)	N/A	
6. Method SM 4500-H+B available at work bench?	(Yes)	No		
7. Magnetic Stirrer?	(Yes)	No		
8. Teflon Stir Bars?	(Yes)	No		
9. Procedure Followed?	(Yes)	No		
10. Deviation from Procedure?	Yes	(No)		
11. Buffer Expiration Salts	pH 4.0	1/15/2026		
	pH 7.0	8/1/2026		
	pH10.0	11/30/2026		
12. Calibration	Reading	Temp		
	4.00	16.7°C		
	7.00	16.8°C		
	10.00	16.8°C		
13. Final pH of Sample?	7.92	16.4°C		
14. Duplicate?	Yes	(No)		
15. Buffer Discarded?	(Yes)	No		

16. Time Analyzed: 0810

Name: Mr Reisch

Date: 10/16/24

pH Meter tip replaced: New 9/1/23

pH Meter Manufacturer: Extech

Model #: PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

November 5, 2024

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of October 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On October 16, 2024, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on October 16, 2024.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

November 01, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo
Pace Project No.: 30727129

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

The samples were subcontracted to ALS, 3352 128TH AVE, Holland, Mi 49424 for total phenolics analysis. Results of the analysis are reported on the ALS data tables.

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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CERTIFICATIONS

Project: Buckeye Buffalo
Pace Project No.: 30727129

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services, LLC - Melville, NY
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye Buffalo
Pace Project No.: 30727129

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30727129001	**SPDES 001 QTRLY**	Water	10/16/24 08:00	10/17/24 09:45

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo
Pace Project No.: 30727129

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30727129001	**SPDES 001 QTRLY**	EPA 6010D	JWT	1	PASI-MV
		EPA 8260C	AJC	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: Buckeye Buffalo
Pace Project No.: 30727129

Sample: SPDES 001 QTRLY **Lab ID: 30727129001** Collected: 10/16/24 08:00 Received: 10/17/24 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	10/31/24 07:17	10/31/24 14:42	7439-92-1	1c
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		10/28/24 18:24	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/28/24 18:24	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/28/24 18:24	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		10/28/24 18:24	91-20-3	
Toluene	ND	ug/L	1.0	1		10/28/24 18:24	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/28/24 18:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%.	70-130	1		10/28/24 18:24	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	70-130	1		10/28/24 18:24	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130	1		10/28/24 18:24	17060-07-0	
Dibromofluoromethane (S)	101	%.	70-130	1		10/28/24 18:24	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		10/24/24 09:53		MH,ML, R1
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/24/24 09:58		ML
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	ND	mg/L	4.0	1		10/21/24 09:20		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**8.2**	Std. Units	2.0	1		10/22/24 13:20		H3,H6

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 368736
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30727129001

METHOD BLANK: 1925906 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	10/31/24 14:38	1c

LABORATORY CONTROL SAMPLE: 1925907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	506	101	80-120	1c

MATRIX SPIKE SAMPLE: 1925909

Parameter	Units	70318836003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<5.0	500	501	100	75-125	1c

SAMPLE DUPLICATE: 1925908

Parameter	Units	70318836003 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<5.0	ND		20	1c

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 705683
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3436023 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/28/24 12:05	
Ethylbenzene	ug/L	ND	1.0	10/28/24 12:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/28/24 12:05	
Naphthalene	ug/L	ND	4.0	10/28/24 12:05	
Toluene	ug/L	ND	1.0	10/28/24 12:05	
Xylene (Total)	ug/L	ND	3.0	10/28/24 12:05	
1,2-Dichloroethane-d4 (S)	%.	105	70-130	10/28/24 12:05	
4-Bromofluorobenzene (S)	%.	102	70-130	10/28/24 12:05	
Dibromofluoromethane (S)	%.	104	70-130	10/28/24 12:05	
Toluene-d8 (S)	%.	98	70-130	10/28/24 12:05	

LABORATORY CONTROL SAMPLE: 3436024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.9	104	70-130	
Ethylbenzene	ug/L	20	21.6	108	63-135	
Methyl-tert-butyl ether	ug/L	20	19.4	97	63-130	
Naphthalene	ug/L	20	20.2	101	30-166	
Toluene	ug/L	20	21.9	109	70-130	
Xylene (Total)	ug/L	60	64.3	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			100	70-130	
4-Bromofluorobenzene (S)	%.			101	70-130	
Dibromofluoromethane (S)	%.			101	70-130	
Toluene-d8 (S)	%.			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3436025 3436026

Parameter	Units	30727496006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1.0 U	20	20	21.4	21.9	107	109	17-162	2	30	
Ethylbenzene	ug/L	1.0 U	20	20	19.8	20.0	99	100	51-132	1	30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	21.8	22.6	109	113	24-144	4	30	
Naphthalene	ug/L	4.0 U	20	20	18.9	20.0	95	100	13-168	5	30	
Toluene	ug/L	1.0 U	20	20	20.7	21.1	104	105	52-131	2	30	
Xylene (Total)	ug/L	3.0 U	60	60	58.6	60.1	98	100	51-130	3	30	
1,2-Dichloroethane-d4 (S)	%.						101	102	70-130			
4-Bromofluorobenzene (S)	%.						99	102	70-130			

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3436025 3436026

Parameter	Units	30727496006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						100	102	70-130			
Toluene-d8 (S)	%.						100	99	70-130			

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 705000
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3432698 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/24/24 09:51	

LABORATORY CONTROL SAMPLE: 3432699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.1	90	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3432700 3432701

Parameter	Units	30727129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	29.6	58.9	72	145	78-114	66	18	MH, ML, R1

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 704998
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3432694 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/24/24 09:57	

LABORATORY CONTROL SAMPLE: 3432695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	13.7	68	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3432696 3432697

Parameter	Units	30727129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	10.1	10.9	43	47	64-132	8	34	ML

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 704121
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3428697 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	10/21/24 09:20	

LABORATORY CONTROL SAMPLE: 3428698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	112	112	80-120	

SAMPLE DUPLICATE: 3428699

Parameter	Units	30726960002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	4.0	ND		5	PL

SAMPLE DUPLICATE: 3428700

Parameter	Units	30727557002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	25.0	25.0	0	5	

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 704518
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30727129001

SAMPLE DUPLICATE: 3430367

Parameter	Units	30726361002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	10	H3,H6

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QUALIFIERS

Project: Buckeye Buffalo
Pace Project No.: 30727129

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 368771

[1]	The post digestion spike for sample 70318836003 (PDS 1926034) did not meet acceptance criteria for Silver.

ANALYTE QUALIFIERS

1c	The post digestion spike for sample 70318836003 (PDS 1926034) did not meet acceptance criteria for Silver.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo
Pace Project No.: 30727129

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30727129001	**SPDES 001 QTRLY**	EPA 3005A	368736	EPA 6010D	368771
30727129001	**SPDES 001 QTRLY**	EPA 8260C	705683		
30727129001	**SPDES 001 QTRLY**	EPA 1664A	705000		
30727129001	**SPDES 001 QTRLY**	EPA 1664A	704998		
30727129001	**SPDES 001 QTRLY**	SM 2540D-2015	704121		
30727129001	**SPDES 001 QTRLY**	SM 4500H+B-2011	704518		

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10/16/24

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: Lab is direct bill to Buckeye
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER / DW; WATER / WT; WASTE WATER / WW; PRODUCT / P; SOIL/SOLID / SL; OIL / OL; WIPE / WP; AIR / AR; TISSUE / TS; OTHER / OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil and Grease	TDS, pH	BTEX, MTBE, Naphthal.	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 QTRLY	wt	g	16-Oct	800				12	1	1	1	9					3	1	3	1	3	1		001
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Received by Pace Beaver
Form ID 27 Corr Factor +/- .0
Receipt Temp .0
Corrected Temp .8
Correct Preservation Y / N

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	10/16	1500		10/17/24	0405
	10/17/24	17:00	Nicely's Del. Service	10/17/24	2300
Nicely's Del. Service	10.18.24	0329		10.18.24	0505

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
4.4	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M.Reisch

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 10/16/24

WO# : 30727129

30727129

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO#: 30727129

PM: TAW Due Date: 10/31/24

Pr CLIENT: 30BUCKGESBUF

Client Name: GES

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Initial / Date

Tracking Number: 6145 2952 3982

Examined By: JS 10/17/24

Labeled By: JS 10/17/24

Temped By: JS 10/17/24

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals Intact: ☑ Yes ☐ No

Thermometer Used: 17 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 4.8 °C Correction Factor: -0.4 °C Final Temp: 4.4 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 40D2931	D.P.D. Residual Chlorine Lot #
Chain of Custody Present	✓			1. 10D1841 JS 10/17/24	
Chain of Custody Filled Out:	✓			2.	
-Were client corrections present on COC		✓			
Chain of Custody Relinquished	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: WT					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:		✓		8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used					
Containers Intact:		✓		11. Two vials broken on arrival	
Orthophosphate field filtered:			✓	12.	
Hex Cr Aqueous samples field filtered:			✓	13.	
Organic Samples checked for dichlorination			✓	14:	
Filtered volume received for dissolved tests:	✓			15:	
All containers checked for preservation: exceptions: VOA, coliform, TOC, (O&G), Phenolics, Radon, non-aqueous matrix				16.	
All containers meet method preservation requirements:	✓			Initial when completed JS	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.	
624.1: Headspace in VOA Vials (0mm)			✓	18.	
Radon: Headspace in RAD Vials (0mm)			✓	19.	
Trip Blank Present:		✓		Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed JS Date: 10/17/24	Survey Meter SN: 250 14380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office. PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Client GES

Site

Page 1 of 1

Profile/EZ Login Number 1536

Notes

Sample Line Item	Matrix	Amber Glass					Plastic								Vials					Other									
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	WT	6	1					1				1				1													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	120mL coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3B	250mL plastic NAOH
BP2S	500mL plastic H2SO4
	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 30727129

PM: TAW Due Date: 10/31/24

CLIENT: 30BUCKGESBUF

Qualtrax ID: 55678

Internal Transfer Chain of Custody

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: NY
Cert. Needed: ☐ Yes ☐ No

Workorder: 30727129 **Workorder Name:** Buckeye Buffalo

Owner Received Date: 10/17/2024 **Results Requested By:** 10/31/2024

Report To	Subcontract To
Theresa A. Wilson Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040

WO# : 70318882

70318882

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3	6010 LEAD	LAB USE ONLY
1	SPDES 001 QTRLY	PS	10/16/2024 08:00	30727129001	Water	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	10-22-24	1200		10/24/24 9:40
2				
3				

Comments

Cooler Temperature on Receipt 1.8 °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

INTER_LABORATORY WORK ORDER # 30727129
(To be completed by sending lab)

Ship To:
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

Sending Project No:	30727129
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/22/24
REQUESTED COMPLETION DATE:	**10/31/2024**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Theresa A. Wilson
Receiving Region	IR70-Melville	External Client	Buckeye_GES (Buffalo)
State of Sample Origin	NY	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
6010 LEAD	BP3N		HNO3	1	SI-20MET	SUB PASI MET

Special Requirements: Report C, QC Limits (C),GES SFL Equis (EQEDD) (536)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

DC#_Title: Excel Form Template
Effective Date:

WO#: 70318882
PM: BDR **Due Date: 11/01/24**
CLIENT: PACE-PA

Client Name: Pace-PA Project #

Courier: ☐ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 1Z 26X 73 01 4372 4978

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☐ Yes ☑ No Temperature Blank Present: ☐ Yes ☑ No
Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziplo ☐ None ☐ Other Type of Ice: Wet Blue None

Thermometer Used: TH211 Correction Factor: +0.3 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 1.8 Cooler Temperature Corrected(°C): 2.1 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 10/24/24

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	☐Yes	☑No		12.
	SL	WT	OIL OTHER	

Date and Initials of person checking preservation: SH 10/24/24

All containers needing preservation have been pH paper Lot # 205324	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	☑Yes	☐No	☐N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

right solutions.
right partner.

October 29, 2024

Theresa Wilson
Pace Analytical
1638 Roseytown Road
Suites 2, 3 & 4
Greensburg, PA 15601

Work Order: **HN2408191**

Re: **30727129**

Dear Theresa,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates to the samples received by ALS Environmental and for the analysis requested.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Jodi Blouw
/S/ JODI BLOUW

Project Manager

Narrative Documents

Client:	Pace Analytical	**Work Order:**	HN2408191
Project:	30727129	**Date Received:**	23-Oct-2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt

1 water sample was received for analysis at ALS Environmental on 23-Oct-2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Sample Receipt Information

SAMPLE SUMMARY

Client: Pace Analytical
Project: 30727129
Workorder: HN2408191

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2408191-001	SPDES 001 Qtrly	WATER	10/16/24 08:00	10/23/24 09:00

Chain of Custody

PASI Pittsburgh Laboratory

Workorder: 30727129 **Workorder Name:** Buckeye Buffalo **Results Requested By:** 10/31/2024

Report / Invoice To	Subcontract To
Theresa A. Wilson Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600 Email: theresa.wilson@pacelabs.com	ALS-Holland 3352 128th Ave Holland, MI 49424 P.O._____

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Phenolics	LAB USE ONLY
1	SPDES 001 QTRLY	10/16/2024 08:00	30727129001	Water		X	
2							
3							
4							
5							

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	10/23/24 1700	Fedex	
2	Fedex	10/23/24 900	[illegible]	10/23/24 9:00
3				

Cooler Temperature on Receipt _____ °C **Custody Seal** Y or N **Received on Ice** Y or N

nvironmental Division
olland
Work Order Reference
HN2408191

ephone : +1 616 399 6070

ALS Holland Sample Receiving Checklist

Received by:	[illegible]
Date/Time:	10/23/24 900
Carrier Name:	Fedex
Shipping container/cooler in good condition?	Yes / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / Not Present
Custody seals intact on sample bottles?	Yes / No / Not Present
Chain of Custody present?	Yes / No
COC signed when relinquished and received?	Yes / No
COC agrees with sample labels?	Yes / No
Samples in proper container/bottle?	Yes / No
Sample containers intact?	Yes / No
Sufficient sample volume for indicated test?	Yes / No
All samples received within holding time?	Yes / No
Container/Temp Blank temperature in compliance?	Yes / No
Temperature(s) (°C):	4.5°C
Thermometer(s):	DT2
Sample(s) received on ice?	Yes / No
Matrix/Matrices:	Water
Cooler(s)/Kit(s):	
Date/Time sample(s) sent to storage:	10/23/24 1420
Water – VOA vials have zero headspace?	Yes / No / No Vials
Water – pH acceptable upon receipt?	Yes / No / N/A
pH strip lot #: 39	< 2 ✓ > 12 _____ Other _____
pH adjusted (note adjustments below)?	Yes / No / N/A
pH adjusted by:	

Login Notes:

Miscellaneous Forms

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
NC	Not Calculated
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications[1]

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	1/1/2024	12/31/2024
Colorado	UST		6/21/2024	6/30/2025
Connecticut	Drinking Water (Secondary)	PH-0155	1/23/2023	12/31/2024
Florida	NELAP (Primary)	E871106	7/1/2024	6/30/2025
Illinois	NELAP (Secondary)	200076	12/14/2023	12/31/2024
Indiana	Drinking Water (Secondary)	C-MI-08	4/4/2024	9/4/2026
Iowa	State Specific	403	9/18/2023	9/1/2025
Kansas	NELAP (Secondary)	E-10411	7/09/2024	7/31/2025
Kentucky	Waste Water	KY98004	12/5/2023	12/31/2024
Kentucky	UST	120474	6/24/24	6/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	9/4/2026
Minnesota	NELAP (Secondary)	026-999-449	12/29/2023	12/31/2024
New Jersey	NELAP (Secondary)	MI015	7/1/2024	6/30/2025
New York	Drinking Water (Secondary)	12128	3/29/2024	4/1/2025
North Dakota	State Specific	R-192	9/12/2023	6/30/2024
Ohio	Drinking Water (Secondary)	87783	7/1/2024	6/30/2025
Pennsylvania	NELAP (Secondary)	68-03827	6/14/2024	7/31/2025
Texas	NELAP (Secondary)	T104704494	2/1/2024	1/31/2025
USDA	Domestic CA	Soil-MI-007	8/21/2023	2/18/2025
USDA	Soil Import	P330-19-00039	3/3/2023	3/3/2026
West Virginia	State Specific	355	6/24/2024	8/31/2025
Wisconsin	State Specific	399084510	8/15/2024	8/31/2025

1 - Scope available upon request

ANALYST SUMMARY

Client:	Pace Analytical	**Work Order:**	HN2408191
Project:	30727129		

Sample Name:	SPDES 001 Qtrly	**Date Collected:**	10/16/24
Laboratory Code:	HN2408191-001	**Date Received:**	10/23/24
Sample Matrix:	WATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 420.4	1734894	Riley Miller	2703186	Riley Miller

Sample Results

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Collected: 10/16/24 08:00
Date Received: 10/23/24 09:00

Sample Name: SPDES 001 Qtrly
Laboratory Code: HN2408191-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	10/28/24 15:14	10/28/24 14:38	

QC Summary Forms

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Laboratory Code: QC-1734894-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	10/28/24 15:03	10/28/24 14:39	

QA/QC Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Collected: 10/22/2024
Date Received: 10/23/2024
Date Analyzed: 10/28/2024
Date Extracted: 10/28/2024

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: Batch QC
Laboratory Code: HN2408150-008
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2703186

		Matrix Spike				Duplicate Matrix Spike					
		QC-1734894-004				QC-1734894-005					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Total Phenolics	0.00436	0.0941 S	0.1	89.7 S	0.0945	0.1	90.2	90-110	0.446	20

QA/QC Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Analyzed: 10/28/2024
Date Extracted: 10/28/2024

Laboratory Control Sample Summary
General Chemistry Parameters
Total Phenolics

Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2703186

Sample Name	Laboratory Code	Result	Spike Amount	% Rec	% Rec Limits
Laboratory Control Sample	QC-1734894-002	0.0997	0.1	99.7	90-110

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 11/01/24 to 11/30/24**	**DMR Due Date:**	**12/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	32333.0	=	72000.0	07 - gal/d								0	01/30 - Monthly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - INSTAN
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	8.3			=	8.3	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										<	5.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_November_2024_DMR.pdf	pdf	2189569.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-12-05 11:48 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2024-12-16 14:01 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 11/01/24 to 11/30/24**	**DMR Due Date:**	**12/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	22.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_November_2024_DMR.pdf	pdf	2189569.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-12-05 11:49 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-12-16 14:01 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 11/01/24 to 11/30/24**	**DMR Due Date:**	**12/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - INSTAN
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - GRAB
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_November_2024_DMR.pdf	pdf	2189569.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-12-05 11:50 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-12-16 14:01 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 11/01/24 to 11/30/24**	**DMR Due Date:**	**12/28/24**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - GRAB
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_November_2024_DMR.pdf	pdf	2189569.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2024-12-05 11:51 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2024-12-16 14:01 (Time Zone: -05:00)

Buckeye Big Blue SPDES

Big Blue Sample Checklist

1. Time / Date collected	11/13/24 0930		
2.Clorine PPM via test strip			
3. Weather conditions	Sunny 30°		
4. Physical description of sample	Clear, no odor		
5. Trip Blanks shipped with sample?	Yes	(No)	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	10.0 °C	
	7.00	10.2 °C	
	10.00	9.8 °C	
13. Final pH of Sample?	7.76	13.8 °C	
14. Duplicate? Yes (No)			
15. Buffer Discarded?	(Yes)	No	
16. Time Analyzed	0940		

Name: M. Reisch

Date: 11/13/24

pH Meter tip replaced	
New 9/1/23	
pH Meter Manufacturer	Extech
Model #	PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

December 5, 2024

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of November 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On November 13, 2024, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on November 13, 2024.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 04, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on November 14, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30735271001	**SPDES 001 MTHLY**	Water	11/13/24 09:30	11/14/24 21:48

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30735271001	**SPDES 001 MTHLY**	EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

Sample: SPDES 001 MTHLY **Lab ID: 30735271001** Collected: 11/13/24 09:30 Received: 11/14/24 21:48 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		12/02/24 11:16		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**22.0**	mg/L	4.0	1		11/19/24 12:29		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**8.3**	Std. Units	2.0	1		11/19/24 19:48		H3,H6

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

QC Batch: 712656
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30735271001

METHOD BLANK: 3470236 Matrix: Water
Associated Lab Samples: 30735271001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	12/02/24 11:08	

LABORATORY CONTROL SAMPLE: 3470237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.1	93	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3470238 3470239

Parameter	Units	30736537003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	37.4	33.6	86	76	78-114	11	18	ML

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

QC Batch: 710321
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30735271001

METHOD BLANK: 3459278 Matrix: Water
Associated Lab Samples: 30735271001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	11/19/24 12:29	

LABORATORY CONTROL SAMPLE: 3459279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	115	115	80-120	

SAMPLE DUPLICATE: 3459280

Parameter	Units	30733829001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	6.0		5	PL

SAMPLE DUPLICATE: 3459281

Parameter	Units	30734261002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	16.0	16.0	0	5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

QC Batch: 710600
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30735271001

SAMPLE DUPLICATE: 3460571

Parameter	Units	30733794002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	11.2	11.2	0	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye_Buffalo_Terminal
Pace Project No.: 30735271

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30735271001	**SPDES 001 MTHLY**	EPA 1664A	712656		
30735271001	**SPDES 001 MTHLY**	SM 2540D-2015	710321		
30735271001	**SPDES 001 MTHLY**	SM 4500H+B-2011	710600		

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11/13/24

WO# : 30735271

30735271

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Requ

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must b

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: **Lab is direct bill to Buckeye**
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC / OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
	WP
	AR
	OT
	TS

ITEM #	Section D SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil and Grease	TSS	PH	BTEX, Naphthalene	MTBE	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 MTHLY	wt	g	13-Nov	930				4	1			3					3	1	1							001
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Filtered (Y/N)

Requested Analysis

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	11/13	1210	Jocelyn Foley (PACE	11/13/24	12:16
Jocelyn Foley (PACE)	11/13/24	12:15	Buffalo Service Center	11/13/24	12:16
	11/14	16:30		11/14	12:30
			Jeff Law/PAS	11-14-24	1730

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
2.3	N	Y	N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M.Reisch

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 13-Nov-24

Jeff Law/PAS 11-14-24 1940

11-14-24 19:45

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30735271

PM: TAW **Due Date: 12/03/24**

CLIENT: 30BUCKGESBUF

Company Name: GES	Contact/Report To:
Street Address:	Phone #:
	E-Mail:
	Cc E-Mail:
Customer Project #:	Invoice to:
Project Name: Buckeye Buffalo Terminal	Invoice E-mail:
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET	County / State origin of sample(s):

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____
Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Sample Comment

Additional Instructions from Pace® :

Collected By:
Printed Name
Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time: 11-14-24 21:48	Received by/Company: (Signature) Pace	Date/Time: 11-14-24 21:48	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_Sam... Condition Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO#: 30735271

PM: TAW Due Date: 12/03/24

CLIENT: 30BUCKGESBUF

Client Name: GES

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking Number: Drop-off

Initial / Date

Examined By: VM 11-18-24

Labeled By: LB 11-18-24

Temped By: LB 11-14-24

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals Intact:** ☐ Yes ☒ No

Thermometer Used: 14 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 2.8 °C Correction Factor: -0.5 °C Final Temp: 2.3 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 100041 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:	X			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	X			5.
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):				7.
Rush Turn Around Time Requested:				8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used	X			
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix		X		16.
All containers meet method preservation requirements:	X			Initial when completed LB / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			X	17.
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:			X	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	X			Initial when completed LB / Date: 11-14-24 / Survey Meter SN: 2504360

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Pace Container Order #3029851

autumn.fennell@pacelabs.com

PLEASE RETURN THIS COPY WITH COC

Addresses

Order By :		Ship To :		Return To:	
Company	Buckeye_GES (Buffalo)	Company	Buckeye_GES (Buffalo)	Company	Greensburg, PA (Pace Analytical
Contact	Brandon Mikolin	Contact	Brandon Mikolin	Contact	Samantha Bayura
Email	BMikolin@gesonline.com	Email	BMikolin@gesonline.com	Email	samantha.bayura@pacelabs.com
Address	625 Elk Street	Address	625 Elk Street	Address	1638 Roseytown Road
Address 2		Address 2		Address 2	Suites 2,3,4
City	Buffalo	City	Buffalo	City	Greensburg
State	NY Zip 14210	State	NY Zip 14210	State	PA Zip 15601
Phone	716.601.5575	Phone	716.601.5575	Phone	(724)850-5622

Info

Project Name	Buckeye_Buffalo_Terminal_Monthly	**Due Date**	12/27/2023	**Profile**	1536	**Quote**	
Project Manager	Bayura, Samantha	**Return Date**		**Carrier**	FedEx Standard Overnight	**Location**	NY

Return Shipping Labels

Return Label Type:
- [ ] No Shipper
- [X] With Shipper

Bottle Labels

- [ ] Blank
- [ ] Pre-Printed No Sample IDs
- [X] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [X] Individually Wrapped
- [ ] Grouped By Sample ID/Matrix

Trip Blanks

- [ ] Include Trip Blanks

COC Options

- [ ] Number of Blanks
- [X] Pre-Printed 1

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [ ] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water
- [ ] USDA Regulated Soils
- [ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease	3	1L amber glass HCl	3	2	110623-1DAW	2 extra bottles for lab MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		090423-2EEV	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		071023-2EIY	

WO# : 30735271

PM: TAW Due Date: 12/03/24

CLIENT: 30BUCKGESBUF

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to ensure proper billing.

Sample Notes :

LAB USE:

Ship Date :	12/26/2023
Prepared By:	David F
Verified By:	

CLIENT USE (Optional):

Date Rec'd:	
Received By:	

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 12/01/24 to 12/31/24**	**DMR Due Date:**	**01/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	109667.0	=	187000.0	07 - gal/d								0	01/30 - Monthly	IN - Instantaneous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - Instantaneous
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.7			=	7.7	12 - SU	0	01/30 - Monthly	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - Grab
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										<	5.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_December_2024_DMR.pdf	pdf	5029449.0
BETBO_BMP_review2024.pdf	pdf	497984.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-01-03 11:56 (Time Zone: -05:00)

Report Last Signed By

User: JGEARYJR

Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-01-13 10:56 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-Q** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 10/01/24 to 12/31/24**	**DMR Due Date:**	**01/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01051	**Lead, total [as Pb]**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34030	**Benzene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34696	**Naphthalene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.13 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
82181	**Hydrocarbons, total petroleum**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_December_2024_DMR.pdf	pdf	5029449.0
BETBO_BMP_review2024.pdf	pdf	497984.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com

Date/Time:	2025-01-03 11:57 (Time Zone: -05:00)
Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-01-13 10:56 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-V** QUARTERLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 10/01/24 to 12/31/24**	**DMR Due Date:**	**01/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.05 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34010	**Toluene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34371	**Ethylbenzene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
46000	**Phenols**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
BETBO_BMP_review2024.pdf	pdf	497984.0
Buckeye_Buffalo_Terminal_December_2024_DMR.pdf	pdf	5029449.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-01-03 11:57 (Time Zone: -05:00)
Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-01-13 10:56 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 12/01/24 to 12/31/24**	**DMR Due Date:**	**01/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
X 00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	75.0	19 - mg/L	1	01/30 - Monthly	GR - Grab
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00530	Solids, total suspended	V - See Comments	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
BETBO_BMP_review2024.pdf	pdf	497984.0
Buckeye_Buffalo_Terminal_December_2024_DMR.pdf	pdf	5029449.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-01-03 11:58 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com

Date/Time:	2025-01-13 10:56 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 12/01/24 to 12/31/24**	**DMR Due Date:**	**01/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - Instantaneous
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
BETBO_BMP_review2024.pdf	pdf	497984.0
Buckeye_Buffalo_Terminal_December_2024_DMR.pdf	pdf	5029449.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-01-03 11:59 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com

Date/Time:	2025-01-13 10:56 (Time Zone: -05:00)

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 12/01/24 to 12/31/24**	**DMR Due Date:**	**01/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
BETBO_BMP_review2024.pdf	pdf	497984.0
Buckeye_Buffalo_Terminal_December_2024_DMR.pdf	pdf	5029449.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-01-03 11:59 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-01-13 10:56 (Time Zone: -05:00)

Buckeye SPDES pH Form

Sample pH Checklist

1. Time / Date collected	12/11/24 1100		
2.Clorine PPM via test strip	—		
3. Weather conditions	40 some drizzle		
4. Physical description of sample	Clear no odor		
5. Trip Blanks shipped with sample?	Yes	No	N/A
6. Method SM 4500-H+B available at work bench?	Yes	No	
7. Magnetic Stirrer?	Yes	No	
8. Teflon Stir Bars?	Yes	No	
9. Procedure Followed?	Yes	No	
10. Deviation from Procedure?	Yes	No	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	5.6 c	
	7.00	5.5 c	
	10.00	5.5 c	
13. Final pH of Sample?	7.57	9.1°c	
14. Duplicate?	Yes	No	
15. Buffer Discarded?	Yes	No	

16. Time Analyzed	1110

Name: M. Reisch

Date: 12/11/24

pH Meter tip replaced	New 9/1/2023

pH Meter Manufacturer	Extech
Model #	PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

January 3, 2025

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of December 2024, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On December 11, 2024, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on December 11, 2024, with the exception of TSS, which was reported at a concentration of 75 milligrams per Liter.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 27, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Rebecca Keating, Groundwater & Environmental Services, Inc.
Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30741749001	**SPDES 001 MTHLY**	Water	12/11/24 11:00	12/12/24 10:10

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30741749001	**SPDES 001 MTHLY**	EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

Sample: SPDES 001 MTHLY **Lab ID: 30741749001** Collected: 12/11/24 11:00 Received: 12/12/24 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		12/24/24 08:29		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**75.0**	mg/L	4.0	1		12/16/24 13:26		
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**7.7**	Std. Units	2.0	1		12/12/24 19:48		H3,H6

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

QC Batch: 717391
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30741749001

METHOD BLANK: 3494824 Matrix: Water
Associated Lab Samples: 30741749001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	12/24/24 08:25	

LABORATORY CONTROL SAMPLE: 3494825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.5	96	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3494826 3494827

Parameter	Units	30741282002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	34.0	37.0	80	88	78-114	8	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

QC Batch: 715522
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30741749001

METHOD BLANK: 3485703 Matrix: Water
Associated Lab Samples: 30741749001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	12/16/24 13:26	

LABORATORY CONTROL SAMPLE: 3485704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	96.0	96	80-120	

SAMPLE DUPLICATE: 3485705

Parameter	Units	30741298001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

SAMPLE DUPLICATE: 3485706

Parameter	Units	30741749001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	75.0	72.0	4	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

QC Batch: 715139
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30741749001

SAMPLE DUPLICATE: 3483768

Parameter	Units	30741843001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.7	9.7	0	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30741749

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30741749001	**SPDES 001 MTHLY**	EPA 1664A	717391		
30741749001	**SPDES 001 MTHLY**	SM 2540D-2015	715522		
30741749001	**SPDES 001 MTHLY**	SM 4500H+B-2011	715139		

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12/11/24

WO# : 30741749

30741749

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analy

The Chain-of-Custody is a LEGAL DOCUMENT. All

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: Lab is direct bill to Buckeye
Phone: 800-220-3068, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Filtered (Y/N)

Requested Ana

Pace Project Number / Lab I.D.

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)

Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil and Grease	TSS	PH	BTEX, Naphthalene	MTBE	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 MTHLY	wt	g	11-Dec	1100				4	1			3					3	1	1							01
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
ZVL GES	12/11	1330	[signature]	12/12/24	1016	4.9	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLI	M.Reisch				
SIGNATURE of SAMPLER:	DATE Signed (MM / DD / YY): 11-Dec-24				

Pace Container Order #3030029

samantha.bayura@pacelabs.com

PLEASE RETURN THIS COPY WITH COC

Addresses

Order By :		Ship To :		Return To:	
Company	Buckeye_GES (Buffalo)	Company	Buckeye_GES (Buffalo)	Company	Greensburg, PA (Pace Analytical
Contact	Brandon Mikolin	Contact	Brandon Mikolin	Contact	Samantha Bayura
Email	BMikolin@gesonline.com	Email	BMikolin@gesonline.com	Email	samantha.bayura@pacelabs.com
Address	625 Elk Street	Address	625 Elk Street	Address	1638 Roseytown Road
Address 2		Address 2		Address 2	Suites 2,3,4
City	Buffalo	City	Buffalo	City	Greensburg
State	NY Zip 14210	State	NY Zip 14210	State	PA Zip 15601
Phone	716.601.5575	Phone	716.601.5575	Phone	(724)850-5622

Info

Project Name	Buckeye_Buffalo_Terminal_Monthly	**Due Date**	12/27/2023	**Profile**	1536	**Quote**	
Project Manager	Bayura, Samantha	**Return Date**		**Carrier**	FedEx Standard Overnight	**Location**	NY

Return Shipping Labels

Return Label Type

- [ ] No Shipper
- [X] With Shipper

Bottle Labels

- [ ] Blank
- [ ] Pre-Printed No Sample IDs
- [X] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [X] Individually Wrapped
- [ ] Grouped By Sample ID/Matrix

Trip Blanks

- [ ] Include Trip Blanks

COC Options

- [ ] Number of Blanks
- [X] Pre-Printed 1

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [ ] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water
- [ ] USDA Regulated Soils
- [ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease	3	1L amber glass HCl	3	2	110623-1DAW	2 extra bottles for lab MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		090423-2EEV	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		071023-2EIY	

WO#: 30741749
PM: TAW Due Date: 12/27/24
CLIENT: 30BUCKGESBUF

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to ensure proper billing.

Sample Notes :

LAB USE:

Ship Date :	12/26/2023
Prepared By:	David F
Verified By:	

CLIENT USE (Optional):

Date Rec'd:	
Received By:	

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO#: 30741749

PM: TAW Due Date: 12/27/24

CLIENT: 30BUCKGESBUF

Client Name: Buckeye Ges **Proje**

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: _____

Initial / Date

Examined By: BC 12.12.24

Labeled By: BC 12.12.24

Temped By: BC 12.12.24

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Thermometer Used: 17 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 5.3 °C Correction Factor: -0.4 °C Final Temp: 4.9 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 102611 / D.P.D. Residual Chlorine Lot # —
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID Matrix: WT				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed BC / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed BC / Date: 12.12.24 / Survey Meter SN: B RM580

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

November 01, 2024

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo
Pace Project No.: 30727129

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

The samples were subcontracted to ALS, 3352 128TH AVE, Holland, Mi 49424 for total phenolics analysis. Results of the analysis are reported on the ALS data tables.

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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CERTIFICATIONS

Project: Buckeye Buffalo
Pace Project No.: 30727129

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services, LLC - Melville, NY
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582

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SAMPLE SUMMARY

Project: Buckeye Buffalo
Pace Project No.: 30727129

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30727129001	**SPDES 001 QTRLY**	Water	10/16/24 08:00	10/17/24 09:45

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo
Pace Project No.: 30727129

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30727129001	**SPDES 001 QTRLY**	EPA 6010D	JWT	1	PASI-MV
		EPA 8260C	AJC	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo
Pace Project No.: 30727129

Sample: SPDES 001 QTRLY **Lab ID: 30727129001** Collected: 10/16/24 08:00 Received: 10/17/24 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	10/31/24 07:17	10/31/24 14:42	7439-92-1	1c
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		10/28/24 18:24	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/28/24 18:24	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/28/24 18:24	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		10/28/24 18:24	91-20-3	
Toluene	ND	ug/L	1.0	1		10/28/24 18:24	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/28/24 18:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%.	70-130	1		10/28/24 18:24	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	70-130	1		10/28/24 18:24	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130	1		10/28/24 18:24	17060-07-0	
Dibromofluoromethane (S)	101	%.	70-130	1		10/28/24 18:24	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		10/24/24 09:53		MH,ML, R1
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/24/24 09:58		ML
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	ND	mg/L	4.0	1		10/21/24 09:20		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**8.2**	Std. Units	2.0	1		10/22/24 13:20		H3,H6

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 368736
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30727129001

METHOD BLANK: 1925906 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	10/31/24 14:38	1c

LABORATORY CONTROL SAMPLE: 1925907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	506	101	80-120	1c

MATRIX SPIKE SAMPLE: 1925909

Parameter	Units	70318836003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<5.0	500	501	100	75-125	1c

SAMPLE DUPLICATE: 1925908

Parameter	Units	70318836003 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<5.0	ND		20	1c

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(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 705683
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3436023 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/28/24 12:05	
Ethylbenzene	ug/L	ND	1.0	10/28/24 12:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/28/24 12:05	
Naphthalene	ug/L	ND	4.0	10/28/24 12:05	
Toluene	ug/L	ND	1.0	10/28/24 12:05	
Xylene (Total)	ug/L	ND	3.0	10/28/24 12:05	
1,2-Dichloroethane-d4 (S)	%.	105	70-130	10/28/24 12:05	
4-Bromofluorobenzene (S)	%.	102	70-130	10/28/24 12:05	
Dibromofluoromethane (S)	%.	104	70-130	10/28/24 12:05	
Toluene-d8 (S)	%.	98	70-130	10/28/24 12:05	

LABORATORY CONTROL SAMPLE: 3436024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.9	104	70-130	
Ethylbenzene	ug/L	20	21.6	108	63-135	
Methyl-tert-butyl ether	ug/L	20	19.4	97	63-130	
Naphthalene	ug/L	20	20.2	101	30-166	
Toluene	ug/L	20	21.9	109	70-130	
Xylene (Total)	ug/L	60	64.3	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			100	70-130	
4-Bromofluorobenzene (S)	%.			101	70-130	
Dibromofluoromethane (S)	%.			101	70-130	
Toluene-d8 (S)	%.			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3436025 3436026

Parameter	Units	30727496006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1.0 U	20	20	21.4	21.9	107	109	17-162	2	30	
Ethylbenzene	ug/L	1.0 U	20	20	19.8	20.0	99	100	51-132	1	30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	21.8	22.6	109	113	24-144	4	30	
Naphthalene	ug/L	4.0 U	20	20	18.9	20.0	95	100	13-168	5	30	
Toluene	ug/L	1.0 U	20	20	20.7	21.1	104	105	52-131	2	30	
Xylene (Total)	ug/L	3.0 U	60	60	58.6	60.1	98	100	51-130	3	30	
1,2-Dichloroethane-d4 (S)	%.						101	102	70-130			
4-Bromofluorobenzene (S)	%.						99	102	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3436025 3436026

Parameter	Units	30727496006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						100	102	70-130			
Toluene-d8 (S)	%.						100	99	70-130			

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 705000
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3432698 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/24/24 09:51	

LABORATORY CONTROL SAMPLE: 3432699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.1	90	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3432700 3432701

Parameter	Units	30727129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	29.6	58.9	72	145	78-114	66	18	MH, ML, R1

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 704998
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3432694 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/24/24 09:57	

LABORATORY CONTROL SAMPLE: 3432695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	13.7	68	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3432696 3432697

Parameter	Units	30727129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	10.1	10.9	43	47	64-132	8	34	ML

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 704121
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30727129001

METHOD BLANK: 3428697 Matrix: Water
Associated Lab Samples: 30727129001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	10/21/24 09:20	

LABORATORY CONTROL SAMPLE: 3428698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	112	112	80-120	

SAMPLE DUPLICATE: 3428699

Parameter	Units	30726960002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	4.0	ND		5	PL

SAMPLE DUPLICATE: 3428700

Parameter	Units	30727557002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	25.0	25.0	0	5	

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QUALITY CONTROL DATA

Project: Buckeye Buffalo
Pace Project No.: 30727129

QC Batch: 704518
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30727129001

SAMPLE DUPLICATE: 3430367

Parameter	Units	30726361002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	10	H3,H6

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo
Pace Project No.: 30727129

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 368771

[1]	The post digestion spike for sample 70318836003 (PDS 1926034) did not meet acceptance criteria for Silver.

ANALYTE QUALIFIERS

1c	The post digestion spike for sample 70318836003 (PDS 1926034) did not meet acceptance criteria for Silver.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo
Pace Project No.: 30727129

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30727129001	**SPDES 001 QTRLY**	EPA 3005A	368736	EPA 6010D	368771
30727129001	**SPDES 001 QTRLY**	EPA 8260C	705683		
30727129001	**SPDES 001 QTRLY**	EPA 1664A	705000		
30727129001	**SPDES 001 QTRLY**	EPA 1664A	704998		
30727129001	**SPDES 001 QTRLY**	SM 2540D-2015	704121		
30727129001	**SPDES 001 QTRLY**	SM 4500H+B-2011	704518		

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10/16/24

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Groundwater & Environmental Services	Report To:rsickler@gesonline.com	Attention:
Address: 625 Elk St	Copy To: NERegion@gesonline.com; bmikolin@gesonline.com	Company Name: Buckeye
Buffalo NY 14210	GES project #: 0901886/0400/0405	Address:
Email To: rsickler@gesonline.com	Purchase Order No.: Direct bill to Buckeye	Pace Quote Reference: Lab is direct bill to Buckeye
Phone: 800-220-3069, x4052 Fax: None	Project Name: Buckeye Buffalo Terminal	Pace Project Manager: Justin Horn
Requested Due Date/TAT: Std.	Project Number: DUNS# 0901791	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER_____

SITE LOCATION: NY PA IN MI NC OH SC WI OTHER - MD

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER / DW; WATER / WT; WASTE WATER / WW; PRODUCT / P; SOIL/SOLID / SL; OIL / OL; WIPE / WP; AIR / AR; TISSUE / TS; OTHER / OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil and Grease	TDS, pH	BTEX, MTBE, Naphthal.	Phenols, Total	TPH	Lead	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SPDES 001 QTRLY	wt	g	16-Oct	800				12	1	1	1	9					3	1	3	1	3	1		001
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Received by Pace Beaver
Form ID 27 Corr Factor +/- .0
Receipt Temp .0
Corrected Temp .8
Correct Preservation Y / N

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	10/16	1500		10/17/24	0405
	10/17/24	17:00	Nicely's Del. Service	10/17/24	2300
Nicely's Del. Service	10.18.24	0329		10.18.24	0505

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
4.4	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M.Reisch

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 10/16/24

WO# : 30727129

30727129

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO#: 30727129

PM: TAW Due Date: 10/31/24

Pr CLIENT: 30BUCKGESBUF

Client Name: GES

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Initial / Date

Tracking Number: 6145 2952 3982

Examined By: JS 10/17/24

Labeled By: JS 10/17/24

Temped By: JS 10/17/24

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals Intact: ☑ Yes ☐ No

Thermometer Used: 17 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 4.8 °C Correction Factor: -0.4 °C Final Temp: 4.4 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 40D2931	D.P.D. Residual Chlorine Lot #
Chain of Custody Present	✓			1. 10D1841 JS 10/17/24	
Chain of Custody Filled Out:	✓			2.	
-Were client corrections present on COC		✓			
Chain of Custody Relinquished	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: WT					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:		✓		8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used					
Containers Intact:		✓		11. Two vials broken on arrival	
Orthophosphate field filtered:			✓	12.	
Hex Cr Aqueous samples field filtered:			✓	13.	
Organic Samples checked for dichlorination			✓	14:	
Filtered volume received for dissolved tests:	✓			15:	
All containers checked for preservation: exceptions: VOA, coliform, TOC, (O&G), Phenolics, Radon, non-aqueous matrix				16.	
All containers meet method preservation requirements:	✓			Initial when completed JS	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.	
624.1: Headspace in VOA Vials (0mm)			✓	18.	
Radon: Headspace in RAD Vials (0mm)			✓	19.	
Trip Blank Present:		✓		Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed JS Date: 10/17/24	Survey Meter SN: 250 14380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office. PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Client GES

Site

Page 1 of 1

Profile/EZ Login Number 1536

Notes

Sample Line Item	Matrix	Amber Glass					Plastic								Vials					Other									
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	WT	6	1					1				1				1													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	120mL coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3B	250mL plastic NAOH
BP2S	500mL plastic H2SO4
	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 30727129

PM: TAW Due Date: 10/31/24

CLIENT: 30BUCKGESBUF

Qualtrax ID: 55678

Internal Transfer Chain of Custody

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: NY
Cert. Needed: ☐ Yes ☐ No

Workorder: 30727129 **Workorder Name:** Buckeye Buffalo

Owner Received Date: 10/17/2024 **Results Requested By:** 10/31/2024

Report To	Subcontract To
Theresa A. Wilson Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040

WO# : 70318882

70318882

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3	6010 LEAD	LAB USE ONLY
1	SPDES 001 QTRLY	PS	10/16/2024 08:00	30727129001	Water	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	10-22-24	1200		10/24/24 9:40
2				
3				

Comments

Cooler Temperature on Receipt 1.8 °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

INTER_LABORATORY WORK ORDER # 30727129
(To be completed by sending lab)

Ship To:
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

Sending Project No:	30727129
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/22/24
REQUESTED COMPLETION DATE:	**10/31/2024**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Theresa A. Wilson
Receiving Region	IR70-Melville	External Client	Buckeye_GES (Buffalo)
State of Sample Origin	NY	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
6010 LEAD	BP3N		HNO3	1	SI-20MET	SUB PASI MET

Special Requirements: Report C, QC Limits (C),GES SFL Equis (EQEDD) (536)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

DC#_Title: Excel Form Template
Effective Date:

WO#: 70318882
PM: BDR **Due Date: 11/01/24**
CLIENT: PACE-PA

Client Name: Pace-PA Project #

Courier: ☐ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 1Z 26X 73 01 4372 4978

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☐ Yes ☑ No Temperature Blank Present: ☐ Yes ☑ No
Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziplo ☐ None ☐ Other Type of Ice: Wet Blue None

Thermometer Used: TH211 Correction Factor: +0.3 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 1.8 Cooler Temperature Corrected(°C): 2.1 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 10/24/24

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	☐Yes	☑No		12.
	SL	WT	OIL OTHER	

Date and Initials of person checking preservation: SH 10/24/24

All containers needing preservation have been pH paper Lot # 205324	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	☑Yes	☐No	☐N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

right solutions.
right partner.

October 29, 2024

Theresa Wilson
Pace Analytical
1638 Roseytown Road
Suites 2, 3 & 4
Greensburg, PA 15601

Work Order: **HN2408191**

Re: **30727129**

Dear Theresa,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates to the samples received by ALS Environmental and for the analysis requested.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Jodi Blouw
/S/ JODI BLOUW

Project Manager

Narrative Documents

Client:	Pace Analytical	**Work Order:**	HN2408191
Project:	30727129	**Date Received:**	23-Oct-2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt

1 water sample was received for analysis at ALS Environmental on 23-Oct-2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Sample Receipt Information

SAMPLE SUMMARY

Client: Pace Analytical
Project: 30727129
Workorder: HN2408191

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2408191-001	SPDES 001 Qtrly	WATER	10/16/24 08:00	10/23/24 09:00

Chain of Custody

PASI Pittsburgh Laboratory

Workorder: 30727129 **Workorder Name:** Buckeye Buffalo **Results Requested By:** 10/31/2024

Report / Invoice To	Subcontract To
Theresa A. Wilson Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600 Email: theresa.wilson@pacelabs.com	ALS-Holland 3352 128th Ave Holland, MI 49424 P.O._____

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Phenolics	LAB USE ONLY
1	SPDES 001 QTRLY	10/16/2024 08:00	30727129001	Water		X	
2							
3							
4							
5							

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	10/23/24 1700	Fedex	
2	Fedex	10/23/24 900	[illegible]	10/23/24 9:00
3				

Cooler Temperature on Receipt _____ °C **Custody Seal** Y or N **Received on Ice** Y or N

nvironmental Division
olland
Work Order Reference
HN2408191

ephone : +1 616 399 6070

ALS Holland Sample Receiving Checklist

Received by:	[illegible]
Date/Time:	10/23/24 900
Carrier Name:	Fedex
Shipping container/cooler in good condition?	Yes / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / Not Present
Custody seals intact on sample bottles?	Yes / No / Not Present
Chain of Custody present?	Yes / No
COC signed when relinquished and received?	Yes / No
COC agrees with sample labels?	Yes / No
Samples in proper container/bottle?	Yes / No
Sample containers intact?	Yes / No
Sufficient sample volume for indicated test?	Yes / No
All samples received within holding time?	Yes / No
Container/Temp Blank temperature in compliance?	Yes / No
Temperature(s) (°C):	4.5°C
Thermometer(s):	DT2
Sample(s) received on ice?	Yes / No
Matrix/Matrices:	Water
Cooler(s)/Kit(s):	
Date/Time sample(s) sent to storage:	10/23/24 1420
Water – VOA vials have zero headspace?	Yes / No / No Vials
Water – pH acceptable upon receipt?	Yes / No / N/A
pH strip lot #: 39	< 2 ✓ > 12 _____ Other _____
pH adjusted (note adjustments below)?	Yes / No / N/A
pH adjusted by:	

Login Notes:

Miscellaneous Forms

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
NC	Not Calculated
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications[1]

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	1/1/2024	12/31/2024
Colorado	UST		6/21/2024	6/30/2025
Connecticut	Drinking Water (Secondary)	PH-0155	1/23/2023	12/31/2024
Florida	NELAP (Primary)	E871106	7/1/2024	6/30/2025
Illinois	NELAP (Secondary)	200076	12/14/2023	12/31/2024
Indiana	Drinking Water (Secondary)	C-MI-08	4/4/2024	9/4/2026
Iowa	State Specific	403	9/18/2023	9/1/2025
Kansas	NELAP (Secondary)	E-10411	7/09/2024	7/31/2025
Kentucky	Waste Water	KY98004	12/5/2023	12/31/2024
Kentucky	UST	120474	6/24/24	6/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	9/4/2026
Minnesota	NELAP (Secondary)	026-999-449	12/29/2023	12/31/2024
New Jersey	NELAP (Secondary)	MI015	7/1/2024	6/30/2025
New York	Drinking Water (Secondary)	12128	3/29/2024	4/1/2025
North Dakota	State Specific	R-192	9/12/2023	6/30/2024
Ohio	Drinking Water (Secondary)	87783	7/1/2024	6/30/2025
Pennsylvania	NELAP (Secondary)	68-03827	6/14/2024	7/31/2025
Texas	NELAP (Secondary)	T104704494	2/1/2024	1/31/2025
USDA	Domestic CA	Soil-MI-007	8/21/2023	2/18/2025
USDA	Soil Import	P330-19-00039	3/3/2023	3/3/2026
West Virginia	State Specific	355	6/24/2024	8/31/2025
Wisconsin	State Specific	399084510	8/15/2024	8/31/2025

1 - Scope available upon request

ANALYST SUMMARY

Client:	Pace Analytical	**Work Order:**	HN2408191
Project:	30727129		

Sample Name:	SPDES 001 Qtrly	**Date Collected:**	10/16/24
Laboratory Code:	HN2408191-001	**Date Received:**	10/23/24
Sample Matrix:	WATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 420.4	1734894	Riley Miller	2703186	Riley Miller

Sample Results

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Collected: 10/16/24 08:00
Date Received: 10/23/24 09:00

Sample Name: SPDES 001 Qtrly
Laboratory Code: HN2408191-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	10/28/24 15:14	10/28/24 14:38	

QC Summary Forms

General Chemistry

Analytical Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Laboratory Code: QC-1734894-001

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Total Phenolics	EPA 420.4	ND U	mg/L	0.00500	1	10/28/24 15:03	10/28/24 14:39	

QA/QC Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Collected: 10/22/2024
Date Received: 10/23/2024
Date Analyzed: 10/28/2024
Date Extracted: 10/28/2024

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: Batch QC
Laboratory Code: HN2408150-008
Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2703186

		Matrix Spike				Duplicate Matrix Spike					
		QC-1734894-004				QC-1734894-005					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Total Phenolics	0.00436	0.0941 S	0.1	89.7 S	0.0945	0.1	90.2	90-110	0.446	20

QA/QC Report

Client: Pace Analytical
Project: 30727129
Sample Matrix: WATER

Work Order: HN2408191
Date Analyzed: 10/28/2024
Date Extracted: 10/28/2024

Laboratory Control Sample Summary
General Chemistry Parameters
Total Phenolics

Analysis Method: EPA 420.4
Prep Method: Method

Units: mg/L
Analysis Lab Lot: 2703186

Sample Name	Laboratory Code	Result	Spike Amount	% Rec	% Rec Limits
Laboratory Control Sample	QC-1734894-002	0.0997	0.1	99.7	90-110

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 01/01/25 to 01/31/25**	**DMR Due Date:**	**02/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	18500.0	=	27000.0	07 - gal/d								0	01/30 - Monthly	IN - Instantaneous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - Instantaneous
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.5			=	7.5	12 - SU	0	01/30 - Monthly	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - Grab
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_January_2025_DMR.pdf	pdf	2589545.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-02-05 08:24 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2025-02-12 10:16 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 01/01/25 to 01/31/25**	**DMR Due Date:**	**02/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	4.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_January_2025_DMR.pdf	pdf	2589545.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-02-05 08:45 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-02-12 10:16 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 01/01/25 to 01/31/25**	**DMR Due Date:**	**02/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	Senior Manager Field Ops	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - Instantaneous
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_January_2025_DMR.pdf	pdf	2589545.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-02-05 08:21 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-02-12 10:16 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 01/01/25 to 01/31/25**	**DMR Due Date:**	**02/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_January_2025_DMR.pdf	pdf	2589545.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-02-05 08:22 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-02-12 10:16 (Time Zone: -05:00)

Buckeye SPDES pH Form

Sample pH Checklist

1. Time / Date collected	1/15/25 0945		
2.Clorine PPM via test strip	—		
3. Weather conditions	Clear 15°		
4. Physical description of sample	Clear, no odor		
5. Trip Blanks shipped with sample?	Yes	(No)	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	5.1°C	
	7.00	5.2°C	
	10.00	5.0°C	
13. Final pH of Sample?	7.69	8.2°C	
14. Duplicate? (Yes / (No))			
15. Buffer Discarded?	(Yes)	No	

16. Time Analyzed 0955

Name: [signature]

Date: 1/15/25

pH Meter tip replaced
New 9/1/2023

pH Meter Manufacturer	Extech
Model #	PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

February 5, 2025

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of January 2025, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On January 15, 2025, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on January 15, 2025.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 30, 2025

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on January 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

The samples were subcontracted to ALS, 3352 128TH AVE, Holland, Mi 49424 for total phenolics analysis. Results of the analysis are reported on the ALS data tables.

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Rebecca Keating, Groundwater & Environmental Services, Inc.
Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services, LLC - Melville, NY
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30749214001	**SPDES 001 QTRLY**	Water	01/15/25 09:45	01/16/25 09:55

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30749214001	**SPDES 001 QTRLY**	EPA 6010D	JWT	1	PASI-MV
		EPA 8260C	AJC	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Sample: SPDES 001 QTRLY **Lab ID: 30749214001** Collected: 01/15/25 09:45 Received: 01/16/25 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	01/28/25 07:08	01/29/25 14:10	7439-92-1	1c,2c
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		01/17/25 13:17	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		01/17/25 13:17	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/17/25 13:17	1634-04-4	L2
Naphthalene	ND	ug/L	4.0	1		01/17/25 13:17	91-20-3	CL,R1
Toluene	ND	ug/L	1.0	1		01/17/25 13:17	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		01/17/25 13:17	1330-20-7	
Surrogates								
Toluene-d8 (S)	92	%.	70-130	1		01/17/25 13:17	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	70-130	1		01/17/25 13:17	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%.	70-130	1		01/17/25 13:17	17060-07-0	
Dibromofluoromethane (S)	102	%.	70-130	1		01/17/25 13:17	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		01/21/25 14:36		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		01/21/25 14:46		ML
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**4.0**	mg/L	4.0	1		01/17/25 11:31		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**7.5**	Std. Units	2.0	1		01/21/25 15:47		H3,H6

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 381939
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30749214001

METHOD BLANK: 2004634 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	01/29/25 14:07	1c,2c

LABORATORY CONTROL SAMPLE: 2004635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	504	101	80-120	1c,2c

MATRIX SPIKE SAMPLE: 2004637

Parameter	Units	70333947013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.3	500	528	105	75-125	1c,2c

SAMPLE DUPLICATE: 2004636

Parameter	Units	70333947013 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	5.3	5.8	9	20	1c,2c

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 721529
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3513216 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	01/17/25 12:52	
Ethylbenzene	ug/L	ND	1.0	01/17/25 12:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/17/25 12:52	
Naphthalene	ug/L	ND	4.0	01/17/25 12:52	CL
Toluene	ug/L	ND	1.0	01/17/25 12:52	
Xylene (Total)	ug/L	ND	3.0	01/17/25 12:52	
1,2-Dichloroethane-d4 (S)	%.	122	70-130	01/17/25 12:52	
4-Bromofluorobenzene (S)	%.	100	70-130	01/17/25 12:52	
Dibromofluoromethane (S)	%.	105	70-130	01/17/25 12:52	
Toluene-d8 (S)	%.	93	70-130	01/17/25 12:52	

LABORATORY CONTROL SAMPLE: 3513217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.7	104	70-130	
Ethylbenzene	ug/L	20	22.9	114	63-135	
Methyl-tert-butyl ether	ug/L	20	11.4	57	63-130	L2
Naphthalene	ug/L	20	9.8	49	30-166	CL
Toluene	ug/L	20	20.3	102	70-130	
Xylene (Total)	ug/L	60	65.8	110	70-130	
1,2-Dichloroethane-d4 (S)	%.			122	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			101	70-130	
Toluene-d8 (S)	%.			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513218 3513219

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	24.0	20.7	120	103	17-162	15	30	
Ethylbenzene	ug/L	ND	20	20	25.1	21.0	126	105	51-132	18	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	13.7	13.3	68	67	24-144	3	30	
Naphthalene	ug/L	ND	20	20	5.6	8.7	26	41	13-168	44	30	CL,R1
Toluene	ug/L	ND	20	20	23.3	20.1	116	100	52-131	15	30	
Xylene (Total)	ug/L	ND	60	60	73.0	62.3	122	104	51-130	16	30	
1,2-Dichloroethane-d4 (S)	%.						127	118	70-130			
4-Bromofluorobenzene (S)	%.						93	102	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513218 3513219

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						104	101	70-130			
Toluene-d8 (S)	%.						93	94	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 722030
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3515284 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	01/21/25 14:30	

LABORATORY CONTROL SAMPLE: 3515285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.0	90	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3515286 3515287

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	35.7	38.3	83	89	78-114	7	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 722031
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3515290 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	01/21/25 14:41	

METHOD BLANK: 3515304 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	10.0	01/21/25 14:41	3c

LABORATORY CONTROL SAMPLE: 3515291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	15.9	80	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3515292 3515293

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	10.2	11.2	40	45	64-132	9	34	ML

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 721399
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3512713 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	01/17/25 11:31	

LABORATORY CONTROL SAMPLE: 3512714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	92.0	92	80-120	

SAMPLE DUPLICATE: 3512715

Parameter	Units	30748334003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	1450	1670	14	5	D6

SAMPLE DUPLICATE: 3512716

Parameter	Units	30748668002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 722060
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30749214001

SAMPLE DUPLICATE: 3515332

Parameter	Units	30749214001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	1	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 381996

[1]	The post digestion spike for sample 70333947013 (PDS 2004835) did not meet acceptance criteira for Silver.
[2]	The serial dilution for sample 70333947013 (SD 2004836) did not meet acceptance criteira for Aluminum, Chromium, Potassium and Molybdenum.

ANALYTE QUALIFIERS

1c	The post digestion spike for sample 70333947013 (PDS 2004835) did not meet acceptance criteira for Silver.
2c	The serial dilution for sample 70333947013 (SD 2004836) did not meet acceptance criteira for Aluminum, Chromium, Potassium and Molybdenum.
3c	pH adjusted to <2 in lab at bench prior to analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30749214001	**SPDES 001 QTRLY**	EPA 3005A	381939	EPA 6010D	381996
30749214001	**SPDES 001 QTRLY**	EPA 8260C	721529		
30749214001	**SPDES 001 QTRLY**	EPA 1664A	722030		
30749214001	**SPDES 001 QTRLY**	EPA 1664A	722031		
30749214001	**SPDES 001 QTRLY**	SM 2540D-2015	721399		
30749214001	**SPDES 001 QTRLY**	SM 4500H+B-2011	722060		

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Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30749214

30749214

Company Name:	Buckeye_GES (Buffalo)	Contact/Report To:	Robert Sickler
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057	Phone #:	800-220-3069
		E-Mail:	rsickler@gesonline.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Buckeye Buffalo Terminal	Invoice To:	Krista Manley
		Invoice E-Mail:	kmanley@buckeye.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	00165488

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [X] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540D Total Suspended Solids	6010 LEAD SUB TO PACE MELVILLE	8260 BTEX, MTBE, NAPTHALENE	HEM, Oil and Grease; 1664 SGT-HEM, TPH	TOTAL PHENOLS SUB OUT	pH	Sample Comment
SPDES 001 QTRLY	WT	G			1/15/2025	0945	10			1	1	3	3	1	1	001

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Theresa Wilson
AcctNum / Client ID:
Table #:
Profile / Template: 1536
Prelog / Bottle Ord. ID: EZ 3189508

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) L.Relsch
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	22	+0.2	0.6	0.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	1/15/25 1330		11/6/25 9:55
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number: 7406 5986 6772

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-GBUR-0088 v07_San Greensburg

Effective Date: 01/04/2024

WO# : 30749214

PM: TAW Due Date: 01/30/25

CLIENT: 30BUCKGESBUF

Client Name: Buckeye GES

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 7406 5986 6772

Initial / Date

Examined By: VB 1-16-25

Labeled By: VB 1-16-25

Temped By: PS 1/16/25

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals Intact: ☒ Yes ☐ No

Thermometer Used: 22 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 8.6 °C Correction Factor: +0.2 °C Final Temp: 0.8 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# (UD3241) / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:	X			4. VB 1-16-25
Sample Labels match COC:		X		5. No ~~date/time~~ ID on samples
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used	X			
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation:		X		16.
exceptions: ~~VOA~~, coliform, TOC, ~~O&G~~, (Phenolics), Radon, non-aqueous matrix				
All containers meet method preservation requirements:	X			Initial when completed VB / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)		X		17. No headspace present
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:		X		Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	/			Initial when completed PS / Date: 1/16/25 / Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Pace Container Order #3204914

theresa.wilson@pacelabs.com

Addresses

Order By :

Company Buckeye_GES (Buffalo)
Contact Robert Sickler
Email rsickler@gesonline.com
Address 5 Technology Place, Suite 4
Address 2
City East Syracuse
State NY Zip 13057
Phone 800-220-3069

Ship To :

Company Buckeye_GES
Contact Mike Reisch/ GES
Email LReisch@gesonline.com
Address 625 Elk Street
Address 2
City Buffalo
State NY Zip 14210
Phone 7248505600

Return To:

Company Greensburg, PA (Pace Analytical
Contact Theresa Wilson
Email theresa.wilson@pacelabs.com
Address 1638 Roseytown Road
Address 2 Suites 2,3,4
City Greensburg
State PA Zip 15601
Phone (724)850-5600

Info

Project Name BCK BUFFALO QUARTERLY SPDES
Due Date 01/08/2025
Profile 1536
Quote
Project Manager Wilson, Theresa
Return Date
Carrier FedEx Standard Overnight
Location NY

Return Shipping Labels

Return Label Type
[X] No Shipper
[ ] With Shipper

Bottle Labels

[ ] Blank
[ ] Pre-Printed No Sample IDs
[X] Pre-Printed With Sample IDs

Bottles

[ ] Boxed Cases
[ ] Individually Wrapped
[ ] Grouped By Sample ID/Matrix

Trip Blanks

[ ] Include Trip Blanks

COC Options

[ ] Number of Blanks
[ ] Pre-Printed

Misc

[ ] Sampling Instructions
[ ] Custody Seal
[ ] Temp. Blanks
[ ] Coolers
[ ] Syringes
[ ] Extra Bubble Wrap
[ ] Short Hold/Rush Stickers
[ ] DI Water
[ ] USDA Regulated Soils
[ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease; 1664 SGT-HEM, TPH	3	1L amber glass HCl	3	2	110424-1DAW	EXTRA FOR MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		101424-2EEV	
1	WT	8260C MSV	3	40mL clear VOA vial HCl	3		102124-3CYR	
1	WT	trip blank	2	40mL clear VOA vial HCl	2		102124-3CYR	
1	WT	PHENOLS	1	250mL amber glass H2SO4	1		081224-1HA	
1	WT	LEAD	1	250mL plastic HNO3	1		110424-2EIZ	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		050624	

WO# : 30749214

PM: TAW **Due Date: 01/30/25**
CLIENT: 30BUCKGESBUF

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.
*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to ensure proper billing.

Ship Date : 01/08/2025
Prepared By: David F
Verified By: Jacob Klunk

CLIENT USE (Optional):
Date Rec'd:
Received By:

Sample Notes :

Internal Transfer Chain of Custody

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: NY
Cert. Needed: ☐ Yes ☐ No
Owner Received Date: 1/16/2025 **Results Requested By:** 1/30/2025

Workorder: 30749214 **Workorder Name:** Buckeye Buffalo Terminal

Report To	Subcontract To
Theresa A. Wilson Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040

WO# : 70333820
70333820

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	Total Pb 6010	LAB USE ONLY
1	SPDES 001 QTRLY	OQS	1/15/2025 09:45	30749214001	Water	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	1/20/25 1100	[signature]	1/21/25, 9:25
2				
3				

Comments

Cooler Temperature on Receipt 2.8 °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

INTER_LABORATORY WORK ORDER # 30749214

(To be completed by sending lab)

Ship To:
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

Sending Project No:	30749214
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	01/20/25
REQUESTED COMPLETION DATE:	**1/30/2025**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Theresa A. Wilson
Receiving Region	IR70-Melville	External Client	Buckeye_GES (Buffalo)
State of Sample Origin	NY	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Total Pb 6010	BP3N		HNO3	1	SI-20MET	SUB PASI MET

Special Requirements: Report C, QC Limits (C),GES SFL Equis (EQEDD) (536)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30749214

30749214

Company Name:	Buckeye_GES (Buffalo)
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057
Customer Project #:	
Project Name:	Buckeye Buffalo Terminal
Site Collection Info/Facility ID (as applicable):	

Contact/Report To:	Robert Sickler
Phone #:	800-220-3069
E-Mail:	rsickler@gesonline.com
Cc E-Mail:	
Invoice To:	Krista Manley
Invoice E-Mail:	kmanley@buckeye.com
Purchase Order # (if applicable):	
Quote #:	00165488

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [X] No

Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540D Total Suspended Solids	6010 LEAD SUB TO PACE MELVILLE	8260 BTEX, MTBE, NAPTHALENE	HEM, Oil and Grease; 1664 SGT-HEM, TPH	TOTAL PHENOLS SUB OUT	pH					Sample Comment	Preservation non-conformance identified for sample.
SPDES 001 QTRLY	WT	G			1/15/2025	0945	10			1	1	3	3	1	1					001	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Theresa Wilson
AcctNum / Client ID:
Table #:
Profile / Template: 1536
Prelog / Bottle Ord. ID: EZ 3189508

Additional Instructions from Pace®:

Collected By: (Printed Name) L.Relsch
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	22	+0.2	0.6	0.8	Y

	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	1/15/25 1330		11/6/25 9:55
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

Tracking Number: 7406 5986 6772

Delivered by: [ ] In-Person [ ] Courier [✓] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_San Greensburg

Effective Date: 01/04/2024

WO# : 30749214

PM: TAW Due Date: 01/30/25

CLIENT: 30BUCKGESBUF

Client Name: Buckeye GES

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 7406 5986 6772

Initial / Date

Examined By: MB 1-16-25

Labeled By: MB 1-16-25

Temped By: PS 1/16/25

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals Intact: ☒ Yes ☐ No

Thermometer Used: 22 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 0.6 °C Correction Factor: +0.2 °C Final Temp: 0.8 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 10132491 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:	X			4. MB 1-16-25
Sample Labels match COC:		X		5. No date/time ID on samples
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used	X			
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation:		X		16.
exceptions: ~~VOA~~, coliform, TOC, ~~O&G~~, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	X			Initial when completed: MB Date/Time of Preservation:
				Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)		X		17. No headspace present
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:		X		Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	/			Initial when completed: PS Date: 1/16/25 Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Page 1 of 1

Qualtrax ID: 55680

Pace Container Order #3204914

theresa.wilson@pacelabs.com

Addresses

Order By :

Company Buckeye_GES (Buffalo)
Contact Robert Sickler
Email rsickler@gesonline.com
Address 5 Technology Place, Suite 4
Address 2
City East Syracuse
State NY Zip 13057
Phone 800-220-3069

Ship To :

Company Buckeye_GES
Contact Mike Reisch/ GES
Email LReisch@gesonline.com
Address 625 Elk Street
Address 2
City Buffalo
State NY Zip 14210
Phone 7248505600

Return To:

Company Greensburg, PA (Pace Analytical
Contact Theresa Wilson
Email theresa.wilson@pacelabs.com
Address 1638 Roseytown Road
Address 2 Suites 2,3,4
City Greensburg
State PA Zip 15601
Phone (724)850-5600

Info

Project Name BCK BUFFALO QUARTERLY SPDES
Due Date 01/08/2025
Profile 1536
Quote
Project Manager Wilson, Theresa
Return Date
Carrier FedEx Standard Overnight
Location NY

Return Shipping Labels

Return Label Type
[X] No Shipper
[ ] With Shipper

Bottle Labels

[ ] Blank
[ ] Pre-Printed No Sample IDs
[X] Pre-Printed With Sample IDs

Bottles

[ ] Boxed Cases
[ ] Individually Wrapped
[ ] Grouped By Sample ID/Matrix

Trip Blanks

[ ] Include Trip Blanks

COC Options

[ ] Number of Blanks
[ ] Pre-Printed

Misc

[ ] Sampling Instructions
[ ] Custody Seal
[ ] Temp. Blanks
[ ] Coolers
[ ] Syringes
[ ] Extra Bubble Wrap
[ ] Short Hold/Rush Stickers
[ ] DI Water
[ ] USDA Regulated Soils
[ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease; 1664 SGT-HEM, TPH	3	1L amber glass HCl	3	2	110424-1DAW	EXTRA FOR MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		101424-2EEV	
1	WT	8260C MSV	3	40mL clear VOA vial HCl	3		102124-3CYR	
1	WT	trip blank	2	40mL clear VOA vial HCl	2		102124-3CYR	
1	WT	PHENOLS	1	250mL amber glass H2SO4	1		081224-1HA	
1	WT	LEAD	1	250mL plastic HNO3	1		110424-2FI7	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		050624	

WO# : 30749214

PM: TAW **Due Date: 01/30/25**
CLIENT: 30BUCKGESBUF

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.
*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to ensure proper billing.

Ship Date : 01/08/2025
Prepared By: David F
Verified By: Jacob Klunk

CLIENT USE (Optional):
Date Rec'd:
Received By:

Sample Notes :

DC# Title: Excel Form Template
Effective Date

WO# : 70333820
PM: BDR Due Date: 01/29/25
CLIENT: PACE-PA

Project #

Client Name: Pace-PA

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 7406 5986 7979

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziplo ☐ None ☐ Other Type of Ice: ☑ Wet Blue None

Thermometer Used: TH211 Correction Factor: 0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.8 Cooler Temperature Corrected(°C): 0.8 Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 1/21/25

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No		12.
	Matrix:	SL WT OIL	OTHER	

Date and Initials of person checking preservation: SH 1/21/25

All containers needing preservation have been pH paper Lot # 213624	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				15. Positive for Sulfide? Y N
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	
Lead Acetate Strips Lot #				
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	16.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 02/01/25 to 02/28/25**	**DMR Due Date:**	**03/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	29333.0	=	76000.0	07 - gal/d								0	01/30 - Monthly	IN - Instantaneous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - Instantaneous
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	8.0			=	8.0	12 - SU	0	01/30 - Monthly	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - Grab
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_February_2025_DMR.pdf	pdf	1890812.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-03-03 11:51 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2025-03-03 12:36 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 02/01/25 to 02/28/25**	**DMR Due Date:**	**03/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	4.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_February_2025_DMR.pdf	pdf	1890812.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-03-03 11:55 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-03-03 12:36 (Time Zone: -05:00)

DMR Copy of Record

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 02/01/25 to 02/28/25**	**DMR Due Date:**	**03/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - Instantaneous
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_February_2025_DMR.pdf	pdf	1890812.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-03-03 11:55 (Time Zone: -05:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-03-03 12:36 (Time Zone: -05:00)

DMR Copy of Record

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 02/01/25 to 02/28/25**	**DMR Due Date:**	**03/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Buckeye SPDES pH Form

Sample pH Checklist

1. Time / Date collected	2/19/25 1000		
2.Clorine PPM via test strip	–		
3. Weather conditions	15° clear		
4. Physical description of sample	Clear, no odor		
5. Trip Blanks shipped with sample?	Yes	(No)	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	5.2 °c	
	7.00	5.1 °c	
	10.00	5.1 °c	
13. Final pH of Sample?	7.29	4.7 °c	
14. Duplicate? (Yes / (No))			
15. Buffer Discarded?	(Yes)	No	

16. Time Analyzed 1010

Name: M. Reisch

Date: 2/19/25

pH Meter tip replaced	
New 9/1/2023	
pH Meter Manufacturer	Extech
Model #	PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

March 3, 2025

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of February 2025, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On February 19, 2025, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on February 19, 2025.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 28, 2025

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on February 21, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Rebecca Keating, Groundwater & Environmental Services, Inc.
Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30757928001	**SPDES 001 MTHLY**	Water	02/19/25 10:00	02/21/25 13:15

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30757928001	**SPDES 001 MTHLY**	EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

Sample: SPDES 001 MTHLY **Lab ID: 30757928001** Collected: 02/19/25 10:00 Received: 02/21/25 13:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		02/27/25 10:07		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**4.0**	mg/L	4.0	1		02/24/25 12:39		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**8.0**	Std. Units	2.0	1		02/24/25 19:27		H3,H6

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

QC Batch: 729425
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30757928001

METHOD BLANK: 3550675 Matrix: Water
Associated Lab Samples: 30757928001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	02/27/25 09:57	

LABORATORY CONTROL SAMPLE: 3550676

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.2	90	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3550677 3550678

Parameter	Units	30757269001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	35.7	37.4	87	92	78-114	5	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

QC Batch: 728566
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30757928001

METHOD BLANK: 3546575 Matrix: Water
Associated Lab Samples: 30757928001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	02/24/25 12:39	

LABORATORY CONTROL SAMPLE: 3546576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	100	100	80-120	

SAMPLE DUPLICATE: 3546577

Parameter	Units	30757186001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	6.0		5	PL

SAMPLE DUPLICATE: 3546578

Parameter	Units	30757425001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

QC Batch: 728742
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30757928001

SAMPLE DUPLICATE: 3547188

Parameter	Units	30757124001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.8	1	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30757928

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30757928001	**SPDES 001 MTHLY**	EPA 1664A	729425		
30757928001	**SPDES 001 MTHLY**	SM 2540D-2015	728566		
30757928001	**SPDES 001 MTHLY**	SM 4500H+B-2011	728742		

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Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 30757928

30757928

Company Name:	Buckeye_GES (Buffalo)	Contact/Report To:	Rebecca Keating
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057	Phone #:	800-220-3069
		E-Mail:	rkeating@gesonline.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Buckeye Buffalo Terminal	Invoice To:	Krista Manley
		Invoice E-Mail:	kmanley@buckeye.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	HEM, Oil and Grease	TSS	pH
SPDES 001 MTHLY	WT	G			2/19/2025	1000	4			X	X	X

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Theresa Wilson

AcctNum / Client ID:

Table #:

Profile / Template: 1536

Prelog / Bottle Ord. ID: EZ 3189498

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: M.Relsch
(Printed Name)

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	22	0	1.3	1.3	Y

	Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
1		2/19 1330	Charles Ridley Pace	2-19-25 13:30
2	Charles Ridley Pace	2-19-25 1354	Buffalo SLC	2-19-25 1354
3	Russell Bisson	2-19-25 15:52		2/20 12:30
4		2/20 10:40	Aaron Reigl	2-21-25 1000

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Rel: Aaron Reigl 2-21-25 1315 234

2.21.25 1315

ENV-FRM-CORQ-0019_v02_110123 ©

Pace Container Order #3189501

theresa.wilson@pacelabs.com

Addresses

Order By :		Ship To :		Return To:	
Company	Buckeye_GES (Buffalo)	Company	Buckeye_GES (Buffalo)	Company	Greensburg, PA (Pace Analytical
Contact	Rebecca Keating	Contact	Rebecca Keating	Contact	Theresa Wilson
Email	rkeating@gesonline.com	Email	rkeating@gesonline.com	Email	theresa.wilson@pacelabs.com
Address	6780 Northern Boulevard	Address	6780 Northern Boulevard	Address	1638 Roseytown Road
Address 2	Suite 100	Address 2	Suite 100	Address 2	Suites 2,3,4
City	East Syracuse	City	East Syracuse	City	Greensburg
State	NY Zip 13057	State	NY Zip 13057	State	PA Zip 15601
Phone	800-220-3069	Phone	800-220-3069	Phone	(724)850-5600

Info

Project Name	Buckeye Buffalo Terminal	**Due Date**	01/03/2025	**Profile**	1536	**Quote**	
Project Manager	Wilson, Theresa	**Return Date**		**Carrier**	FedEx Standard Overnight	**Location**	NY

Return Shipping Labels

Return Label Type

- [ ] No Shipper
- [ ] With Shipper

Bottle Labels

- [ ] Blank
- [ ] Pre-Printed No Sample IDs
- [X] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [ ] Individually Wrapped
- [X] Grouped By Sample ID/Matrix

Trip Blanks

- [ ] Include Trip Blanks

COC Options

- [ ] Number of Blanks
- [ ] Pre-Printed

Misc

- [ ] Sampling Instructions
- [ ] Custody Seal
- [ ] Temp. Blanks
- [ ] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water
- [ ] USDA Regulated Soils
- [ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease	3	1L amber glass HCl	3	2	110424-1DAW	2 EXTRA FOR MS/MSD
1	WT	TSS	1	1L plastic unpreserved	1		090224-2EEV	
1	WT	pH	1	250mL plastic unpreserved	1		050624-2EIY	

WO# : 30757928
PM: TAW Due Date: 03/07/25
CLIENT: 30BUCKGESBUF

Hazard S

*Sample receiving hours are ty[illegible] location. Please check with your Pace Project Manager.
*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to ensure proper billing.

LAB USE:

Ship Date :	01/02/2025
Prepared By:	David F
Verified By:	

CLIENT USE (Optional):

Date Rec'd:	
Received By:	

Sample Notes :

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO#: 30757928

PM: TAW Due Date: 03/07/25

CLIENT: 30BUCKGESBUF

Client Name: Buckeye GES P

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking Number: _____

Initial / Date

Examined By: BE 2.21.25

Labeled By: BE 2.21.25

Temped By: BE 2.21.25

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☑ No

Thermometer Used: 22 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 1.3 °C Correction Factor: 0 °C Final Temp: 1.3 °C

Temp should be above freezing to 6°C

pH paper Lot# 1003241 D.P.D. Residual Chlorine Lot #

Comments:	Yes	No	NA	
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2. No preservation
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID Matrix: WT	✓			
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	✓			16.
All containers meet method preservation requirements:	✓			Initial when completed: BE Date/Time of Preservation: Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed: BE Date: 2.21.25 Survey Meter SN: 3504480

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	116000.0	=	215000.0	07 - gal/d								0	01/30 - Monthly	IN - Instantaneous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - Instantaneous
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	8.0			=	8.0	12 - SU	0	01/30 - Monthly	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - Grab
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_March_2025_DMR.pdf	pdf	4780894.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-04-04 09:45 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2025-04-04 09:56 (Time Zone: -04:00)

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Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-Q** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 01/01/25 to 03/31/25**	**DMR Due Date:**	**04/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01051	**Lead, total [as Pb]**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34030	**Benzene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34696	**Naphthalene**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.13 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
82181	**Hydrocarbons, total petroleum**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_March_2025_DMR.pdf	pdf	4780894.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-04-04 09:46 (Time Zone: -04:00)

Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-04-04 09:56 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-V** QUARTERLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 01/01/25 to 03/31/25**	**DMR Due Date:**	**04/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.05 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34010	**Toluene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
34371	**Ethylbenzene**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
46000	**Phenols**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.										<=	0.01 DAILY MX	19 - mg/L		01/90 - Quarterly	GR - Grab
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_March_2025_DMR.pdf	pdf	4780894.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User: RSTROH18

Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-04-04 09:46 (Time Zone: -04:00)
Report Last Signed By	
User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-04-04 09:56 (Time Zone: -04:00)

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	17.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

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Edit Check Errors

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Comments

Attachments

Name	Type	Size
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Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-04-04 09:47 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-04-04 09:56 (Time Zone: -04:00)

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - Instantaneous
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_March_2025_DMR.pdf	pdf	4780894.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-04-04 09:48 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-04-04 09:56 (Time Zone: -04:00)

DMR Copy of Record

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 03/01/25 to 03/31/25**	**DMR Due Date:**	**04/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_March_2025_DMR.pdf	pdf	4780894.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-04-04 09:48 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-04-04 09:56 (Time Zone: -04:00)

Buckeye Big Blue SPDES

Big Blue Sample Checklist

1. Time / Date collected	3/12/25 0930		
2.Clorine PPM via test strip	—		
3. Weather conditions	Sunny 20s		
4. Physical description of sample	Clear, no odor		
5. Trip Blanks shipped with sample?	Yes	(No)	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2020	
	pH 7.0	3/15/2019	
	pH10.0	10/1/2018	
12. Calibration	Reading	Temp	
	4.00	5.9°c	
	7.00	5.7°c	
	10.00	5.7°c	
13. Final pH of Sample?	7.49	6.0°c	
14. Duplicate?	Yes (No)		
15. Buffer Discarded?	(Yes)	No	
16. Time Analyzed	0940		

Name: M. Reed

Date: 3/12/25

pH Meter tip replaced	
New 5/4/2017	
pH Meter Manufacturer	Extech
Model #	PH100

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

April 4, 2025

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of March 2025, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On March 12, 2025, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on March 12, 2025.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 30, 2025

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on January 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

The samples were subcontracted to ALS, 3352 128TH AVE, Holland, Mi 49424 for total phenolics analysis. Results of the analysis are reported on the ALS data tables.

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Rebecca Keating, Groundwater & Environmental Services, Inc.
Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services, LLC - Melville, NY
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30749214001	**SPDES 001 QTRLY**	Water	01/15/25 09:45	01/16/25 09:55

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(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30749214001	**SPDES 001 QTRLY**	EPA 6010D	JWT	1	PASI-MV
		EPA 8260C	AJC	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Sample: SPDES 001 QTRLY **Lab ID: 30749214001** Collected: 01/15/25 09:45 Received: 01/16/25 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	01/28/25 07:08	01/29/25 14:10	7439-92-1	1c,2c
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		01/17/25 13:17	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		01/17/25 13:17	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/17/25 13:17	1634-04-4	L2
Naphthalene	ND	ug/L	4.0	1		01/17/25 13:17	91-20-3	CL,R1
Toluene	ND	ug/L	1.0	1		01/17/25 13:17	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		01/17/25 13:17	1330-20-7	
Surrogates								
Toluene-d8 (S)	92	%.	70-130	1		01/17/25 13:17	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	70-130	1		01/17/25 13:17	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%.	70-130	1		01/17/25 13:17	17060-07-0	
Dibromofluoromethane (S)	102	%.	70-130	1		01/17/25 13:17	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		01/21/25 14:36		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		01/21/25 14:46		ML
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**4.0**	mg/L	4.0	1		01/17/25 11:31		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**7.5**	Std. Units	2.0	1		01/21/25 15:47		H3,H6

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 381939
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30749214001

METHOD BLANK: 2004634 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	01/29/25 14:07	1c,2c

LABORATORY CONTROL SAMPLE: 2004635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	504	101	80-120	1c,2c

MATRIX SPIKE SAMPLE: 2004637

Parameter	Units	70333947013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.3	500	528	105	75-125	1c,2c

SAMPLE DUPLICATE: 2004636

Parameter	Units	70333947013 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	5.3	5.8	9	20	1c,2c

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 721529
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3513216 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	01/17/25 12:52	
Ethylbenzene	ug/L	ND	1.0	01/17/25 12:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/17/25 12:52	
Naphthalene	ug/L	ND	4.0	01/17/25 12:52	CL
Toluene	ug/L	ND	1.0	01/17/25 12:52	
Xylene (Total)	ug/L	ND	3.0	01/17/25 12:52	
1,2-Dichloroethane-d4 (S)	%.	122	70-130	01/17/25 12:52	
4-Bromofluorobenzene (S)	%.	100	70-130	01/17/25 12:52	
Dibromofluoromethane (S)	%.	105	70-130	01/17/25 12:52	
Toluene-d8 (S)	%.	93	70-130	01/17/25 12:52	

LABORATORY CONTROL SAMPLE: 3513217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.7	104	70-130	
Ethylbenzene	ug/L	20	22.9	114	63-135	
Methyl-tert-butyl ether	ug/L	20	11.4	57	63-130	L2
Naphthalene	ug/L	20	9.8	49	30-166	CL
Toluene	ug/L	20	20.3	102	70-130	
Xylene (Total)	ug/L	60	65.8	110	70-130	
1,2-Dichloroethane-d4 (S)	%.			122	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			101	70-130	
Toluene-d8 (S)	%.			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513218 3513219

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	24.0	20.7	120	103	17-162	15	30	
Ethylbenzene	ug/L	ND	20	20	25.1	21.0	126	105	51-132	18	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	13.7	13.3	68	67	24-144	3	30	
Naphthalene	ug/L	ND	20	20	5.6	8.7	26	41	13-168	44	30	CL,R1
Toluene	ug/L	ND	20	20	23.3	20.1	116	100	52-131	15	30	
Xylene (Total)	ug/L	ND	60	60	73.0	62.3	122	104	51-130	16	30	
1,2-Dichloroethane-d4 (S)	%.						127	118	70-130			
4-Bromofluorobenzene (S)	%.						93	102	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513218 3513219

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						104	101	70-130			
Toluene-d8 (S)	%.						93	94	70-130			

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 722030
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3515284 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	01/21/25 14:30	

LABORATORY CONTROL SAMPLE: 3515285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.0	90	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3515286 3515287

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	35.7	38.3	83	89	78-114	7	18	

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 722031
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3515290 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	01/21/25 14:41	

METHOD BLANK: 3515304 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	10.0	01/21/25 14:41	3c

LABORATORY CONTROL SAMPLE: 3515291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	15.9	80	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3515292 3515293

Parameter	Units	30749214001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	10.2	11.2	40	45	64-132	9	34	ML

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 721399
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30749214001

METHOD BLANK: 3512713 Matrix: Water
Associated Lab Samples: 30749214001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	01/17/25 11:31	

LABORATORY CONTROL SAMPLE: 3512714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	92.0	92	80-120	

SAMPLE DUPLICATE: 3512715

Parameter	Units	30748334003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	1450	1670	14	5	D6

SAMPLE DUPLICATE: 3512716

Parameter	Units	30748668002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

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Greensburg, PA 15601
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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

QC Batch: 722060
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30749214001

SAMPLE DUPLICATE: 3515332

Parameter	Units	30749214001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	1	10	H3,H6

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 381996

[1]	The post digestion spike for sample 70333947013 (PDS 2004835) did not meet acceptance criteira for Silver.
[2]	The serial dilution for sample 70333947013 (SD 2004836) did not meet acceptance criteira for Aluminum, Chromium, Potassium and Molybdenum.

ANALYTE QUALIFIERS

1c	The post digestion spike for sample 70333947013 (PDS 2004835) did not meet acceptance criteira for Silver.
2c	The serial dilution for sample 70333947013 (SD 2004836) did not meet acceptance criteira for Aluminum, Chromium, Potassium and Molybdenum.
3c	pH adjusted to <2 in lab at bench prior to analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30749214

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30749214001	**SPDES 001 QTRLY**	EPA 3005A	381939	EPA 6010D	381996
30749214001	**SPDES 001 QTRLY**	EPA 8260C	721529		
30749214001	**SPDES 001 QTRLY**	EPA 1664A	722030		
30749214001	**SPDES 001 QTRLY**	EPA 1664A	722031		
30749214001	**SPDES 001 QTRLY**	SM 2540D-2015	721399		
30749214001	**SPDES 001 QTRLY**	SM 4500H+B-2011	722060		

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Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30749214

30749214

Company Name:	Buckeye_GES (Buffalo)	Contact/Report To:	Robert Sickler
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057	Phone #:	800-220-3069
		E-Mail:	rsickler@gesonline.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Buckeye Buffalo Terminal	Invoice To:	Krista Manley
		Invoice E-Mail:	kmanley@buckeye.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	00165488

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [X] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540D Total Suspended Solids	6010 LEAD SUB TO PACE MELVILLE	8260 BTEX, MTBE, NAPTHALENE	HEM, Oil and Grease; 1664 SGT-HEM, TPH	TOTAL PHENOLS SUB OUT	pH	Sample Comment
SPDES 001 QTRLY	WT	G			1/15/2025	0945	10			1	1	3	3	1	1	001

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Theresa Wilson
AcctNum / Client ID:
Table #:
Profile / Template: 1536
Prelog / Bottle Ord. ID: EZ 3189508

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) L.Relsch
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	22	+0.2	0.6	0.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	1/15/25 1330		11/6/25 9:55
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number: 7406 5986 6772

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-GBUR-0088 v07_San Greensburg

Effective Date: 01/04/2024

WO# : 30749214

PM: TAW Due Date: 01/30/25

CLIENT: 30BUCKGESBUF

Client Name: Buckeye GES

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 7406 5986 6772

Initial / Date

Examined By: VB 1-16-25

Labeled By: VB 1-16-25

Temped By: PS 1/16/25

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals Intact: ☒ Yes ☐ No

Thermometer Used: 22 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 8.6 °C Correction Factor: +0.2 °C Final Temp: 0.8 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# (UD3241) / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:	X			4. VB 1-16-25
Sample Labels match COC:		X		5. No ~~date/time~~ ID on samples
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used	X			
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation:		X		16.
exceptions: ~~VOA~~, coliform, TOC, ~~O&G~~, (Phenolics), Radon, non-aqueous matrix				
All containers meet method preservation requirements:	X			Initial when completed VB / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)		X		17. No headspace present
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:		X		Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	/			Initial when completed PS / Date: 1/16/25 / Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Pace Container Order #3204914

theresa.wilson@pacelabs.com

Addresses

Order By :

Company Buckeye_GES (Buffalo)
Contact Robert Sickler
Email rsickler@gesonline.com
Address 5 Technology Place, Suite 4
Address 2
City East Syracuse
State NY Zip 13057
Phone 800-220-3069

Ship To :

Company Buckeye_GES
Contact Mike Reisch/ GES
Email LReisch@gesonline.com
Address 625 Elk Street
Address 2
City Buffalo
State NY Zip 14210
Phone 7248505600

Return To:

Company Greensburg, PA (Pace Analytical
Contact Theresa Wilson
Email theresa.wilson@pacelabs.com
Address 1638 Roseytown Road
Address 2 Suites 2,3,4
City Greensburg
State PA Zip 15601
Phone (724)850-5600

Info

Project Name BCK BUFFALO QUARTERLY SPDES
Due Date 01/08/2025
Profile 1536
Quote
Project Manager Wilson, Theresa
Return Date
Carrier FedEx Standard Overnight
Location NY

Return Shipping Labels

Return Label Type
[X] No Shipper
[ ] With Shipper

Bottle Labels

[ ] Blank
[ ] Pre-Printed No Sample IDs
[X] Pre-Printed With Sample IDs

Bottles

[ ] Boxed Cases
[ ] Individually Wrapped
[ ] Grouped By Sample ID/Matrix

Trip Blanks

[ ] Include Trip Blanks

COC Options

[ ] Number of Blanks
[ ] Pre-Printed

Misc

[ ] Sampling Instructions
[ ] Custody Seal
[ ] Temp. Blanks
[ ] Coolers
[ ] Syringes
[ ] Extra Bubble Wrap
[ ] Short Hold/Rush Stickers
[ ] DI Water
[ ] USDA Regulated Soils
[ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease; 1664 SGT-HEM, TPH	3	1L amber glass HCl	3	2	110424-1DAW	EXTRA FOR MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		101424-2EEV	
1	WT	8260C MSV	3	40mL clear VOA vial HCl	3		102124-3CYR	
1	WT	trip blank	2	40mL clear VOA vial HCl	2		102124-3CYR	
1	WT	PHENOLS	1	250mL amber glass H2SO4	1		081224-1HA	
1	WT	LEAD	1	250mL plastic HNO3	1		110424-2EIZ	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		050624	

WO# : 30749214

PM: TAW **Due Date: 01/30/25**
CLIENT: 30BUCKGESBUF

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.
*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to ensure proper billing.

Ship Date : 01/08/2025
Prepared By: David F
Verified By: Jacob Klunk

CLIENT USE (Optional):
Date Rec'd:
Received By:

Sample Notes :

Internal Transfer Chain of Custody

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: NY
Cert. Needed: ☐ Yes ☐ No
Owner Received Date: 1/16/2025 **Results Requested By:** 1/30/2025

Workorder: 30749214 **Workorder Name:** Buckeye Buffalo Terminal

Report To	Subcontract To
Theresa A. Wilson Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040

WO# : 70333820
70333820

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	Total Pb 6010	LAB USE ONLY
1	SPDES 001 QTRLY	OQS	1/15/2025 09:45	30749214001	Water	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	1/20/25 1100	[signature]	1/21/25, 9:25
2				
3				

Comments

Cooler Temperature on Receipt 2.8 °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

INTER_LABORATORY WORK ORDER # 30749214

(To be completed by sending lab)

Ship To:
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

Sending Project No:	30749214
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	01/20/25
REQUESTED COMPLETION DATE:	**1/30/2025**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Theresa A. Wilson
Receiving Region	IR70-Melville	External Client	Buckeye_GES (Buffalo)
State of Sample Origin	NY	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Total Pb 6010	BP3N		HNO3	1	SI-20MET	SUB PASI MET

Special Requirements: Report C, QC Limits (C),GES SFL Equis (EQEDD) (536)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30749214

30749214

Company Name:	Buckeye_GES (Buffalo)
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057
Customer Project #:	
Project Name:	Buckeye Buffalo Terminal
Site Collection Info/Facility ID (as applicable):	

Contact/Report To:	Robert Sickler
Phone #:	800-220-3069
E-Mail:	rsickler@gesonline.com
Cc E-Mail:	
Invoice To:	Krista Manley
Invoice E-Mail:	kmanley@buckeye.com
Purchase Order # (if applicable):	
Quote #:	00165488

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [X] No

Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540D Total Suspended Solids	6010 LEAD SUB TO PACE MELVILLE	8260 BTEX, MTBE, NAPTHALENE	HEM, Oil and Grease; 1664 SGT-HEM, TPH	TOTAL PHENOLS SUB OUT	pH					Sample Comment	Preservation non-conformance identified for sample.
SPDES 001 QTRLY	WT	G			1/15/2025	0945	10			1	1	3	3	1	1					001	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Theresa Wilson
AcctNum / Client ID:
Table #:
Profile / Template: 1536
Prelog / Bottle Ord. ID: EZ 3189508

Additional Instructions from Pace®:

Collected By: (Printed Name) L.Relsch
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	22	+0.2	0.6	0.8	Y

	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	1/15/25 1330		11/6/25 9:55
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

Tracking Number: 7406 5986 6772

Delivered by: [ ] In-Person [ ] Courier [✓] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_San Greensburg

Effective Date: 01/04/2024

WO# : 30749214

PM: TAW Due Date: 01/30/25

CLIENT: 30BUCKGESBUF

Client Name: Buckeye GES

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 7406 5986 6772

Initial / Date

Examined By: MB 1-16-25

Labeled By: MB 1-16-25

Temped By: PS 1/16/25

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals Intact: ☒ Yes ☐ No

Thermometer Used: 22 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 0.6 °C Correction Factor: +0.2 °C Final Temp: 0.8 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 10132491 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:	X			4. MB 1-16-25
Sample Labels match COC:		X		5. No date/time ID on samples
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used	X			
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation:		X		16.
exceptions: ~~VOA~~, coliform, TOC, ~~O&G~~, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	X			Initial when completed: MB Date/Time of Preservation:
				Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)		X		17. No headspace present
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:		X		Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	/			Initial when completed: PS Date: 1/16/25 Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Page 1 of 1

Qualtrax ID: 55680

Pace Container Order #3204914

theresa.wilson@pacelabs.com

Addresses

Order By :

Company Buckeye_GES (Buffalo)
Contact Robert Sickler
Email rsickler@gesonline.com
Address 5 Technology Place, Suite 4
Address 2
City East Syracuse
State NY Zip 13057
Phone 800-220-3069

Ship To :

Company Buckeye_GES
Contact Mike Reisch/ GES
Email LReisch@gesonline.com
Address 625 Elk Street
Address 2
City Buffalo
State NY Zip 14210
Phone 7248505600

Return To:

Company Greensburg, PA (Pace Analytical
Contact Theresa Wilson
Email theresa.wilson@pacelabs.com
Address 1638 Roseytown Road
Address 2 Suites 2,3,4
City Greensburg
State PA Zip 15601
Phone (724)850-5600

Info

Project Name BCK BUFFALO QUARTERLY SPDES
Due Date 01/08/2025
Profile 1536
Quote
Project Manager Wilson, Theresa
Return Date
Carrier FedEx Standard Overnight
Location NY

Return Shipping Labels

Return Label Type
[X] No Shipper
[ ] With Shipper

Bottle Labels

[ ] Blank
[ ] Pre-Printed No Sample IDs
[X] Pre-Printed With Sample IDs

Bottles

[ ] Boxed Cases
[ ] Individually Wrapped
[ ] Grouped By Sample ID/Matrix

Trip Blanks

[ ] Include Trip Blanks

COC Options

[ ] Number of Blanks
[ ] Pre-Printed

Misc

[ ] Sampling Instructions
[ ] Custody Seal
[ ] Temp. Blanks
[ ] Coolers
[ ] Syringes
[ ] Extra Bubble Wrap
[ ] Short Hold/Rush Stickers
[ ] DI Water
[ ] USDA Regulated Soils
[ ] Dry Weight

# of Samp	Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	WT	HEM, Oil and Grease; 1664 SGT-HEM, TPH	3	1L amber glass HCl	3	2	110424-1DAW	EXTRA FOR MS/MSD
1	WT	2540D Total Suspended Solids	1	1L plastic unpreserved	1		101424-2EEV	
1	WT	8260C MSV	3	40mL clear VOA vial HCl	3		102124-3CYR	
1	WT	trip blank	2	40mL clear VOA vial HCl	2		102124-3CYR	
1	WT	PHENOLS	1	250mL amber glass H2SO4	1		081224-1HA	
1	WT	LEAD	1	250mL plastic HNO3	1		110424-2FI7	
1	WT	4500H+ pH, Electrometric	1	250mL plastic unpreserved	1		050624	

WO# : 30749214

PM: TAW **Due Date: 01/30/25**
CLIENT: 30BUCKGESBUF

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.
*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to ensure proper billing.

Ship Date : 01/08/2025
Prepared By: David F
Verified By: Jacob Klunk

CLIENT USE (Optional):
Date Rec'd:
Received By:

Sample Notes :

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 25, 2025

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on March 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Rebecca Keating, Groundwater & Environmental Services, Inc.
Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30763716001	**SPDES 001 MTHLY**	Water	03/12/25 09:30	03/14/25 13:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30763716001	**SPDES 001 MTHLY**	EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA
		SM 4500H+B-2011	BDU	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

Sample: SPDES 001 MTHLY **Lab ID: 30763716001** Collected: 03/12/25 09:30 Received: 03/14/25 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		03/24/25 09:42		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	**17.0**	mg/L	4.0	1		03/17/25 13:03		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg							
pH at 25 Degrees C	**8.0**	Std. Units	2.0	1		03/18/25 18:30		H3,H6

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

QC Batch: 734472
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30763716001

METHOD BLANK: 3575237 Matrix: Water
Associated Lab Samples: 30763716001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	03/24/25 09:40	

LABORATORY CONTROL SAMPLE: 3575238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.1	85	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3575239 3575240

Parameter	Units	30763716001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	36.8	39.1	92	98	78-114	6	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

QC Batch: 733160
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30763716001

METHOD BLANK: 3569373 Matrix: Water
Associated Lab Samples: 30763716001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	03/17/25 13:03	

LABORATORY CONTROL SAMPLE: 3569374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	97.0	97	80-120	

SAMPLE DUPLICATE: 3569375

Parameter	Units	30762856002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	4.0	ND		5	PL

SAMPLE DUPLICATE: 3569376

Parameter	Units	30763822006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

QC Batch: 733716
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30763716001

SAMPLE DUPLICATE: 3571531

Parameter	Units	30763716001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	0	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30763716

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30763716001	**SPDES 001 MTHLY**	EPA 1664A	734472		
30763716001	**SPDES 001 MTHLY**	SM 2540D-2015	733160		
30763716001	**SPDES 001 MTHLY**	SM 4500H+B-2011	733716		

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Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30763716

30763716

Company Name:	Buckeye_GES (Buffalo)	Contact/Report To:	Rebecca Keating
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057	Phone #:	800-220-3069
		E-Mail:	rkeating@gesonline.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Buckeye Buffalo Terminal	Invoice To:	Krista Manley
		Invoice E-Mail:	kmanley@buckeye.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (If applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	HEM, Oil and Grease	TSS	pH	Sample Comment
SPDES 001 MTHLY	WT	G			3/12/2025	0930	4			X	X	X	001

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Theresa Wilson**
AcctNum / Client ID:
Table #:
Profile / Template: **1536**
Prelog / Bottle Ord. ID: **EZ 3189499**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) M. Reisch
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	Onice:
1	19	-0.4	2.9	2.5	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	3/12 1345	Charles Cigsby Pace	3-12-25 1345	N/A
Charles Cigsby Pace	3-12 14:08	Buffalo SC	3-12-25 14:08	Delivered by: [ ] In- Person [X] Courier
Russell B Bailey	3-12-25 15:28	PAL	3/12/25 2230	[ ] FedEX [ ] UPS [ ] Other
PAL	3/13/25 0200	DB	3/14/25 13:10	Page: 1 of 1

DB 3/14/25 13:10

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Page 11 of 14

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30763716
PM: TAW Due Date: 03/28/25
CLIENT: 30BUCKGESBUF

Company Name: Buckeye GES (Buffalo)	Contact/Report To:
Street Address:	Phone #:
	E-Mail:
	Cc E-Mail:
Customer Project #:	Invoice to:
Project Name: Buckeye Buffalo Terminal	Invoice E-mail:
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET	County / State origin of sample(s):
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other_____	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____ **Date Results Requested:**
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Sample Comment

Additional Instructions from Pace® :

Collected By:
Printed Name
Signature

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		Pace	3-19-25 13:16
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-GBUR-0088 v07_Sam Greensburg

Effective Date: 01/04/2024

WO# : 30763716

PM: TAW Due Date: 03/28/25

CLIENT: 30BUCKGESBUF

Client Name: Buckeye GES Buffalo

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking Number: Drop-off

Initial / Date

Examined By: VB 3-14-25

Labeled By: VB 3-14-25

Temped By: VB 3-14-25

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals Intact:** ☐ Yes ☒ No

Thermometer Used: 14 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 2.9 °C Correction Factor: -0.4 °C Final Temp: 2.5 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 10B3241 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:	X			4.
Sample Labels match COC:	X			5.
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used	X			
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation:		X		16.
exceptions: VOA, coliform, TOC, (O&G), Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	X			Initial when completed VB / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			X	17.
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:			X	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	X			Initial when completed VB / Date: 3-14-25 / Survey Meter SN: 25014386

Comments: OQS: 0.1 and Grease

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

NEW JERSEY CHAIN OF CUSTODY

WO#: 30763716

PM: TAW Due Date: 03/28/25

CLIENT: 30BUCKGESBUF

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

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

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

Page of

Date Rec'd in Lab

Client Information
Client: Buckeye - GES
Address:
Phone:
Fax:
Email:

Project Information
Project Name:
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

☐ Same as Client Info
PO #

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	3/13 16:40	PB	3/13 16:40
PB	3/14/25 13:10		3/14/25 11:10

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

Buckeye SPDES pH Form

Sample pH Checklist

1. Time / Date collected	4/9/25 1030		
2.Clorine PPM via test strip	—		
3. Weather conditions	30's Sunny		
4. Physical description of sample	Clear, no odor		
5. Trip Blanks shipped with sample?	Yes	(No)	N/A
6. Method SM 4500-H+B available at work bench?	(Yes)	No	
7. Magnetic Stirrer?	(Yes)	No	
8. Teflon Stir Bars?	(Yes)	No	
9. Procedure Followed?	(Yes)	No	
10. Deviation from Procedure?	Yes	(No)	
11. Buffer Expiration Salts	pH 4.0	1/15/2026	
	pH 7.0	8/1/2026	
	pH10.0	11/30/2026	
12. Calibration	Reading	Temp	
	4.00	5.5°c	
	7.00	5.4°c	
	10.00	5.4°c	
13. Final pH of Sample?	7.63	8.1°c	
14. Duplicate?	Yes (No)		
15. Buffer Discarded?	(Yes)	No	

16. Time Analyzed: 1040

Name: M. Reisch

Date: 4/9/25

pH Meter tip replaced	
New 9/1/2023	
pH Meter Manufacturer	Extech
Model #	PH100

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-W** MONTHLY ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 04/01/25 to 04/30/25**	**DMR Due Date:**	**05/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00530	**Solids, total suspended**	V - See Comments	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	50.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_April_2025_DMR.pdf	pdf	3213024.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-05-07 10:27 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-05-07 11:40 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-M** STORMWATER		

Report Dates & Status

Monitoring Period:	**From 04/01/25 to 04/30/25**	**DMR Due Date:**	**05/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample	=	70400.0	=	139000.0	07 - gal/d								0	01/30 - Monthly	IN - Instantaneous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/30 - Monthly	IN - Instantaneous
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.6			=	7.6	12 - SU	0	01/30 - Monthly	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/30 - Monthly	GR - Grab
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample										=	0.0	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_April_2025_DMR.pdf	pdf	3213024.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-05-07 10:27 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary

E-Mail:	jgeary@buckeye.com
Date/Time:	2025-05-07 11:40 (Time Zone: -04:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0204480**	**Permittee:**	BUCKEYE TERMINAL, LLC	**Facility:**	BUFFALO TERMINAL
Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-M** TANKS- HYDROSTATIC TEST WATER		

Report Dates & Status

Monitoring Period:	**From 04/01/25 to 04/30/25**	**DMR Due Date:**	**05/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.				Req Mon DAILY MX	07 - gal/d									01/DS - Once Per Discharge	IN - Instantaneous
					Value NODI				C - No Discharge											
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/DS - Once Per Discharge	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_April_2025_DMR.pdf	pdf	3213024.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-05-07 10:28 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-05-07 11:40 (Time Zone: -04:00)

DMR Copy of Record

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Permit

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Major:	No	**Permittee Address:**	9999 HAMILTON BLVD-TEK PARK 5 BREINIGSVILLE, PA 18031	**Facility Location:**	625 ELK STREET BUFFALO, NY 14210
Permitted Feature:	01A External Outfall	**Discharge:**	**01A-V** ACTION LEVELS		

Report Dates & Status

Monitoring Period:	**From 04/01/25 to 04/30/25**	**DMR Due Date:**	**05/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Chlorine sampling only required when chlorinated water is used for tank testing. Enter NODI 9 if Chlorine sampling is not needed.

Principal Executive Officer

First Name:	Robert	**Title:**	SVP Operations	**Telephone:**	716-822-3982
Last Name:	Harris				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00556	**Oil & Grease**	V - See Comments	0	--	Sample															
					Permit Req.										<=	15.0 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
22417	**Methyl tert-butyl ether [MTBE]**	V - See Comments	0	--	Sample															
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34010	**Toluene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34030	**Benzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34371	**Ethylbenzene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
34696	**Naphthalene**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.026 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
50060	**Chlorine, total residual**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.03 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				
81551	**Xylene [mix of m+o+p]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.02 DAILY MX	19 - mg/L		01/DS - Once Per Discharge	GR - Grab
					Value NODI											C - No Discharge				

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
Buckeye_Buffalo_Terminal_April_2025_DMR.pdf	pdf	3213024.0

Report Last Saved By

BUCKEYE TERMINAL, LLC

User:	RSTROH18
Name:	Rebecca Stroh
E-Mail:	rstroh@gesonline.com
Date/Time:	2025-05-07 10:28 (Time Zone: -04:00)

Report Last Signed By

User:	JGEARYJR
Name:	James Geary
E-Mail:	jgeary@buckeye.com
Date/Time:	2025-05-07 11:40 (Time Zone: -04:00)

Groundwater & Environmental Services, Inc.

415 Lawrence Bell Drive, Suite 6
Williamsville, NY 14221

T. 800.287.7857

May 7, 2025

Ms. Teresa Diehsner
NYSDEC
Division of Water, Bureau of Water Compliance
625 Broadway
Albany, New York 12233-3506

RE: Buckeye Terminals, LLC
Buffalo Terminal
625 Elk Street
Buffalo, New York 14210
SPDES Permit #NY0204480

Dear Ms. Diehsner:

Groundwater & Environmental Services, Inc., (GES) is pleased to provide a copy of the *Discharge Monitoring Report* for the month of April 2025, for Buckeye Terminals, LLC, located at 625 Elk Street, Buffalo, New York (the Site). This sampling event was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit *#NY0204480*.

On April 9, 2025, samples were collected from the storm-water discharge location identified as "Outfall 001." The samples were submitted for laboratory analysis under proper chain-of-custody protocol to Pace Analytical Services, LLC, of Greensburg, Pennsylvania. The storm-water samples were analyzed for the required monthly SPDES Permit parameters including oil and grease, total suspended solids (TSS), and pH. No exceedances of the SPDES Permit parameters were detected in the "Outfall 001" sample collected on April 9, 2025.

Should you have any questions or comments regarding the above comments, please contact the undersigned at (800) 220-3069, extension 4052.

Sincerely,
Groundwater & Environmental Services, Inc.

Robert N. Sickler, PG
Senior Project Manager

cc: Jim Geary, Buckeye; via email: JGeary@buckeye.com
Nathan Pratt, Buckeye; via email: NPratt@buckeye.com

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

April 24, 2025

Mr. Robert Sickler
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

Dear Mr. Sickler:

Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

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

Sincerely,

Theresa A. Wilson
theresa.wilson@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Rebecca Keating, Groundwater & Environmental Services, Inc.
Mr. Jason Mengel, Buckeye Partners LP
Nathan Pratt, Buckeye Pipeline Co.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30770981001	**SPDES 001 QTRLY**	Water	04/09/25 10:30	04/11/25 11:30

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30770981001	**SPDES 001 QTRLY**	EPA 6010D	JJS	1	PASI-MV
		EPA 8260C	AJC	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 2540D-2015	BM1	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

Sample: SPDES 001 QTRLY **Lab ID: 30770981001** Collected: 04/09/25 10:30 Received: 04/11/25 11:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - Long Island							
Lead	ND	ug/L	5.0	1	04/16/25 07:34	04/16/25 15:34	7439-92-1	
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Benzene	ND	ug/L	1.0	1		04/18/25 12:26	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/18/25 12:26	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/18/25 12:26	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/18/25 12:26	91-20-3	CH
Toluene	ND	ug/L	1.0	1		04/18/25 12:26	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/18/25 12:26	1330-20-7	
Surrogates								
Toluene-d8 (S)	97	%.	70-130	1		04/18/25 12:26	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	70-130	1		04/18/25 12:26	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130	1		04/18/25 12:26	17060-07-0	
Dibromofluoromethane (S)	97	%.	70-130	1		04/18/25 12:26	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Oil and Grease	ND	mg/L	5.0	1		04/16/25 18:17		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A Pace Analytical Services - Greensburg							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		04/16/25 18:17		
2540D Total Suspended Solids	Analytical Method: SM 2540D-2015 Pace Analytical Services - Greensburg							
Total Suspended Solids	ND	mg/L	4.0	1		04/14/25 13:45		PL

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

QC Batch: 394499
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Water
Laboratory: Pace Analytical Services - Long Island
Associated Lab Samples: 30770981001

METHOD BLANK: 2077145 Matrix: Water
Associated Lab Samples: 30770981001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	04/16/25 15:22	

LABORATORY CONTROL SAMPLE: 2077146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	498	100	80-120	

MATRIX SPIKE SAMPLE: 2077148

Parameter	Units	70348757004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<5.0	500	514	103	75-125	

SAMPLE DUPLICATE: 2077147

Parameter	Units	70348757004 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<5.0	ND		20	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

QC Batch: 740441
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV UST-WATER
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30770981001

METHOD BLANK: 3603952 Matrix: Water
Associated Lab Samples: 30770981001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	04/18/25 10:18	
Ethylbenzene	ug/L	ND	1.0	04/18/25 10:18	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/18/25 10:18	
Naphthalene	ug/L	ND	4.0	04/18/25 10:18	CH
Toluene	ug/L	ND	1.0	04/18/25 10:18	
Xylene (Total)	ug/L	ND	3.0	04/18/25 10:18	
1,2-Dichloroethane-d4 (S)	%.	105	70-130	04/18/25 10:18	
4-Bromofluorobenzene (S)	%.	100	70-130	04/18/25 10:18	
Dibromofluoromethane (S)	%.	96	70-130	04/18/25 10:18	
Toluene-d8 (S)	%.	98	70-130	04/18/25 10:18	

LABORATORY CONTROL SAMPLE: 3603953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.3	97	70-130	
Ethylbenzene	ug/L	20	19.3	97	63-135	
Methyl-tert-butyl ether	ug/L	20	17.4	87	63-130	
Naphthalene	ug/L	20	28.1	141	30-166	CH
Toluene	ug/L	20	20.1	100	70-130	
Xylene (Total)	ug/L	60	56.5	94	70-130	
1,2-Dichloroethane-d4 (S)	%.			108	70-130	
4-Bromofluorobenzene (S)	%.			99	70-130	
Dibromofluoromethane (S)	%.			95	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3603954 3603955

Parameter	Units	30771172009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	24.1	25.5	121	127	17-162	5	30	
Ethylbenzene	ug/L	ND	20	20	23.1	24.4	116	122	51-132	5	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	24.0	26.3	120	132	24-144	9	30	
Naphthalene	ug/L	ND	20	20	34.3	34.8	172	174	13-168	2	30	CH,MH
Toluene	ug/L	ND	20	20	24.4	26.4	122	132	52-131	8	30	MH
Xylene (Total)	ug/L	ND	60	60	68.7	71.8	114	120	51-130	4	30	
1,2-Dichloroethane-d4 (S)	%.						103	98	70-130			
4-Bromofluorobenzene (S)	%.						99	98	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3603954 3603955

Parameter	Units	30771172009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						93	92	70-130			
Toluene-d8 (S)	%.						103	103	70-130			

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QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

QC Batch: 739704
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30770981001

METHOD BLANK: 3600074 Matrix: Water
Associated Lab Samples: 30770981001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/16/25 18:10	

LABORATORY CONTROL SAMPLE: 3600075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.4	98	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3600076 3600077

Parameter	Units	30767926001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	29.8	31.5	74	78	78-114	6	18	ML

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

QC Batch: 739703
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30770981001

METHOD BLANK: 3600060 Matrix: Water
Associated Lab Samples: 30770981001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	04/16/25 18:10	

LABORATORY CONTROL SAMPLE: 3600061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	18.6	93	64-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3600062 3600063

Parameter	Units	30767926001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/L	ND	20	20	7.9	10.3	28	40	64-132	26	34	ML

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(724)850-5600

QUALITY CONTROL DATA

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

QC Batch: 739324
QC Batch Method: SM 2540D-2015
Analysis Method: SM 2540D-2015
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30770981001

METHOD BLANK: 3598429 Matrix: Water
Associated Lab Samples: 30770981001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	04/14/25 13:45	

LABORATORY CONTROL SAMPLE: 3598430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	96.0	96	80-120	

SAMPLE DUPLICATE: 3598431

Parameter	Units	30771093002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

SAMPLE DUPLICATE: 3598432

Parameter	Units	30771093004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		5	PL

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buckeye Buffalo Terminal
Pace Project No.: 30770981

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30770981001	**SPDES 001 QTRLY**	EPA 3005A	394499	EPA 6010D	394558
30770981001	**SPDES 001 QTRLY**	EPA 8260C	740441		
30770981001	**SPDES 001 QTRLY**	EPA 1664A	739704		
30770981001	**SPDES 001 QTRLY**	EPA 1664A	739703		
30770981001	**SPDES 001 QTRLY**	SM 2540D-2015	739324		

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4/7/25

Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30770981

30770981

Company Name:	Buckeye_GES (Buffalo)
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057
Customer Project #:	
Project Name:	Buckeye Buffalo Terminal
Site Collection Info/Facility ID (as applicable):	

Contact/Report To:	Rebecca Keating
Phone #:	800-220-3069
E-Mail:	rkeating@gesonline.com
Cc E-Mail:	
Invoice To:	Krista Manley
Invoice E-Mail:	kmanley@buckeye.com
Purchase Order # (if applicable):	
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540D Total Suspended Solids	6010 LEAD SUB TO PACE MELVILLE	8260 BTEX, MTBE, NAPTHALENE	HEM, Oil and Grease; 1664 SGT-HEM, TPH	TOTAL PHENOLS SUB OUT	pH	Sample Comment
SPDES 001 QTRLY	WT	G			4/9/2025	1030	10			1	1	3	3	1	1	

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Theresa Wilson
AcctNum / Client ID:
Table #:
Profile / Template: 1536
Prelog / Bottle Ord. ID: EZ 3189510

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) Mike Reisch
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	24	0	1.3	1.3	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	4/9 1532	Charles Quigley pace	4-9-25 1532
Charles Quigley pace	4-9-25 15:50	Buffalo SK	4-9-25 15:50
Russell B Bibby	4-9-25 16:26		4/9/25 2240
	4/10/25 0100		4/10 1230

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Page 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

4/10 1730 Rel: Aaron Keigh 4.11.25 0930 Rel: Aaron Keigh 4.11.25 1130

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30770981

PM: TAW **Due Date: 04/25/25**

CLIENT: 30BUCKGESBUF

Company Name:

Street Address:

Customer Project #:

Project Name:

Site Collection Info/Facility ID (as applicable):

Contact/Report To:

Phone #:

E-Mail:

Cc E-Mail:

Invoice to:

Invoice E-mail:

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV

[ ] EQUIS

[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):

[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Time	Composite End Date	Time	Res. Cl2	Number & Type of Containers Plastic	Glass

Lab Use Only

Proj. Mgr:

AcctNum / Client ID:

Table #:

Profile / Template:

Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:

Printed Name

Signature

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 4.11.25 1130
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: of

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ENV-FRM-CORQ-0019_v01_082123 ©

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-GBUR-0088 v07_Sample C Greensburg Effective Date: 01/04/2024

WO# : 30770981
PM: TAW Due Date: 04/25/25
CLIENT: 30BUCKGESBUF

Client Name: Buckeye Ges **Project #:**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking Number:

Initial / Date
Examined By: BC 4.11.25
Labeled By: BC 4.11.25
Temped By: BC 4.11.25

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No
Thermometer Used: 24 **Type of Ice:** (Wet) Blue None
Cooler Temperature: Observed Temp 1.3 °C Correction Factor: 0 °C Final Temp: 1.3 °C
Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 1003241 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2. No Preservation
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID	✓			
Matrix: UA				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed: BC / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)		✓		17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:		✓		Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed: BC / Date: 4.11.25 / Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

DC#_Title: ENV-FRM-GBUR-0072 v04_Sample Container Count Offshore Projects
Effective Date: 04/18/2024

Client _____

Site _____

Page _____ of _____

Profile/EZ Login Number 318951O

Notes _____

		Amber Glass					Plastic								Vials					Other									
Sample Line Item	Matrix	AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	WA	3	1					1				1				3													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB		EZI	5g Encore
12GN			Kit Volatile Solid
SP5T			Wipe/Swab
BP1N			Siploc Bag
BP1U			
BP3S			
BP3N	250mL plastic HNO3		
BP3U	250mL plastic unpreserved		
BP3B	250mL plastic NAOH		
BP2S	500mL plastic H2SO4		
BP2U	500mL plastic unpreserved		

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 30770981
PM: TAW Due Date: 04/25/25
CLIENT: 30BUCKGESBUF

Page 1 of 1 04/18/2024

Internal Transfer Chain of Custody

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: NY
Cert. Needed: ☐ Yes ☐ No

Workorder: 30770981 **Workorder Name:** Buckeye Buffalo Terminal

Owner Received Date: 4/11/2025 Results Requested By: 4/25/2025

Report To	Subcontract To
Theresa A. Wilson Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040

WO# : 70348578

70348578

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3						Requested Analysis: 6010 lead												LAB USE ONLY
1	SPDES 001 QTRLY	PS	4/9/2025 10:30	30770981001	Water	1						X												
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	4/11/25 7:00	Pace LF	4/12/25 12:20
2				
3				

Comments

Cooler Temperature on Receipt 0.1 °C | Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

INTER_LABORATORY WORK ORDER # 30770981
(To be completed by sending lab)

Ship To:
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

Sending Project No:	30770981
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	04/11/25
REQUESTED COMPLETION DATE:	**4/25/2025**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Theresa A. Wilson
Receiving Region	IR70-Melville	External Client	Buckeye_GES (Buffalo)
State of Sample Origin	NY	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
6010 lead	BP3N		HNO3	1	SI-20MET	SUB PASI MET

Special Requirements: Report C, QC Limits (C),GES SFL Equis (EQEDD) (536)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

7117125

Pace® Location Requested (City/State):
Pace Analytical Pittsburgh
1638 Roseytown Road, Suites 2,3,4
Greensburg, PA 15601

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30770981

30770981

Company Name:	Buckeye_GES (Buffalo)
Street Address:	6780 Northern Boulevard Suite 100 East Syracuse, NY 13057
Customer Project #:	
Project Name:	Buckeye Buffalo Terminal
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Rebecca Keating
Phone #:	800-220-3069
E-Mail:	rkeating@gesonline.com
Cc E-Mail:	
Invoice To:	Krista Manley
Invoice E-Mail:	kmanley@buckeye.com
Purchase Order # (if applicable):	
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540D Total Suspended Solids	6010 LEAD SUB TO PACE MELVILLE	8260 BTEX, MTBE, NAPTHALENE	HEM, Oil and Grease; 1664 SGT-HEM, TPH	TOTAL PHENOLS SUB OUT	pH	Sample Comment
SPDES 001 QTRLY	WT	G			4/9/2025	1030	10			1	1	3	3	1	1	cool

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Theresa Wilson
AcctNum / Client ID:
Table #:
Profile / Template: 1536
Prelog / Bottle Ord. ID: EZ 3189510

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: Mike Relsch (Printed Name)
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	24	0	1.3	1.3	Y

	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	4/9 1532	Charles Quigley pace	4-9-25 1532
Relinquished by/Company: (Signature) Charles Quigley pace	4-9-25 15:50	Received by/Company: (Signature) Buffalo S/C	4-9-25 15:50
Relinquished by/Company: (Signature) Russell L Bish	4-9-25 16:26	Received by/Company: (Signature) pace	4/9/25 2240
Relinquished by/Company: (Signature) pace	4/10/25 0100	Received by/Company: (Signature)	4/10 1250

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

4/10 1750 Rel: Aaron Keogh 4.11.25 0930 Rel: Aaron Keogh 4.11.25 1130

ENV-FRM-CORQ-0019_v02_110123 ©

Page 20 of 24

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30770981

PM: TAW **Due Date: 04/25/25**

CLIENT: 30BUCKGESBUF

Company Name:

Street Address:

Customer Project #:

Project Name:

Site Collection Info/Facility ID (as applicable):

Contact/Report To:

Phone #:

E-Mail:

Cc E-Mail:

Invoice to:

Invoice E-mail:

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV

[ ] EQUIS

[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):

[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr:

AcctNum / Client ID:

Table #:

Profile / Template:

Prelog / Bottle Ord. ID:

Preservation non-conformance identified (y/n)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	Sample Comment

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name
Signature

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

4.11.25 1130

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample C Greensburg

Effective Date: 01/04/2024

WO# : 30770981

PM: TAW Due Date: 04/25/25

CLIENT: 30BUCKGESBUF

Client Name: Buckeye Ges **Project #:**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking Number: _____

Initial / Date

Examined By: BC 4.11.25

Labeled By: BC 4.11.25

Temped By: BC 4.11.25

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☑ No

Thermometer Used: 24 Type of Ice: (Wet) Blue None

Cooler Temperature: Observed Temp 1.3 °C Correction Factor: 0 °C Final Temp: 1.3 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 1003241 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2. No preservation
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID	✓			
Matrix: UA				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:	✓			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed BC / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)		✓		17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:		✓		Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed BC / Date: 4.11.25 / Survey Meter SN: 25244280

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

DC#_Title: ENV-FRM-GBUR-0072 v04_Sample Container Count Offshore Projects
Effective Date: 04/18/2024

Client _____

Site _____

Page _____ of _____

Profile/EZ Login Number 3189510

Notes _____

		Amber Glass					Plastic								Vials					Other									
Sample Line Item	Matrix	AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
1	WA	3	1					1				1				4													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB		EZI	5g Encore
12GN			Gt Volatile Solid
SP5T			Wipe/Swab
BP1N			Siploc Bag
BP1U			
BP3S			
BP3N	250mL plastic HNO3		
BP3U	250mL plastic unpreserved		
BP3B	250mL plastic NAOH		
BP2S	500mL plastic H2SO4		
BP2U	500mL plastic unpreserved		

WO#: 30770981
PM: TAW Due Date: 04/25/25
CLIENT: 30BUCKGESBUF

	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 70348578
PM: BDR Due Date: 04/22/25
CLIENT: PACE-PA

Client Name: Pace-PA Project #

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 740659882893

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH211 Correction Factor: +0.2 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.1 Cooler Temperature Corrected(°C): 0.3 Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 4/12/25

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☑Yes	☐No		12.

Date and Initials of person checking preservation: SH 4/12/25

All containers needing preservation have been checked. pH paper Lot # 231224	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15. Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

APPENDIX 6

Site Management Periodic Review Report Institutional and Engineering Controls Certification Form

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

Site Details **Box 1**

Site No. C915201D

Site Name ExxonMobil Oil Former Buffalo Terminal OU-3

Site Address: 503/625 Elk Street and 1 Babcock St. Zip Code: 14210
City/Town: Buffalo
County: Erie
Site Acreage: 33.120

Reporting Period: April 30, 2024 to April 30, 2025

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

Box 2

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

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. C915201D **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
123.13-1-21	Elk Street Commerce Park, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

The remedy achieves a Track 4 commercial use cleanup at a minimum and includes the imposition of a an environmental easement and a site management plan as described below.

INSTITUTIONAL CONTROL
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
- requires compliance with the Department approved Site Management Plan.

SITE MANAGEMENT PLAN
A Site Management Plan, which includes the following:
a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The environmental easement discussed in above.

Engineering Controls: The hydraulic containment system, the groundwater extraction system and the site cover discussed in Engineering Controls.

This plan includes, but may not be limited to:
- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any existing and new buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
- provisions for the management and inspection of the identified engineering controls;
- a provision that should an existing or future building or building foundation be demolished in the future, a cover system consistent with that described in Paragraph 8 above will be placed in any areas where the upper one foot of exposed surface soil exceed the applicable SCOs;
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:

• monitoring of groundwater to assess the performance and effectiveness of the remedy; and
• a schedule of monitoring and frequency of submittals to the Department, and
• monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.
c. an Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
• procedures for operating and maintaining the remedy;
• compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
• maintaining site access controls and Department notification; and
• providing the Department access to the site and O&M records.

123.13-1-22 Buckeye Terminals, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

The remedy achieves a Track 4 commercial use cleanup at a minimum and includes the imposition of a an environmental easement and a site management plan as described below.

INSTITUTIONAL CONTROL
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

• requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
• allow the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
• restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
• requires compliance with the Department approved Site Management Plan.

SITE MANAGEMENT PLAN
A Site Management Plan, which includes the following:
a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The environmental easement discussed in above.

Engineering Controls: The hydraulic containment system, the groundwater extraction system and the site cover discussed in Engineering Controls.

This plan includes, but may not be limited to:
• an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
• descriptions of the provisions of the environmental easement including any land use and groundwater use restrictions;
• a provision for evaluation of the potential for soil vapor intrusion for any existing and new buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
• provisions for the management and inspection of the identified engineering controls;
• a provision that should an existing or future building or building foundation be demolished in the future, a

cover system consistent with that described in Paragraph 8 above will be placed in any areas where the upper one foot of exposed surface soil exceed the applicable SCOs;
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
- monitoring of groundwater to assess the performance and effectiveness of the remedy; and
- a schedule of monitoring and frequency of submittals to the Department, and
- monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.

c. an Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
- procedures for operating and maintaining the remedy;
- compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
- maintaining site access controls and Department notification; and
- providing the Department access to the site and O&M records.

123.13-1-23 Elk Street Commerce Park, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

The remedy achieves a Track 4 commercial use cleanup at a minimum and includes the imposition of a an environmental easement and a site management plan as described below.

INSTITUTIONAL CONTROL
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
- requires compliance with the Department approved Site Management Plan.

SITE MANAGEMENT PLAN
A Site Management Plan, which includes the following:
a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The environmental easement discussed in above.

Engineering Controls: The hydraulic containment system, the groundwater extraction system and the site cover discussed in Engineering Controls.

This plan includes, but may not be limited to:
- an Excavation Plan which details the provisions for management of future excavations in areas of

remaining contamination;
- descriptions of the provisions of the environmental easement including any land use and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any existing and new buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
- provisions for the management and inspection of the identified engineering controls;
- a provision that should an existing or future building or building foundation be demolished in the future, a cover system consistent with that described in Paragraph 8 above will be placed in any areas where the upper one foot of exposed surface soil exceed the applicable SCOs;
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
- monitoring of groundwater to assess the performance and effectiveness of the remedy; and
- a schedule of monitoring and frequency of submittals to the Department, and
- monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.

c. an Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
- procedures for operating and maintaining the remedy;
- compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
- maintaining site access controls and Department notification; and
- providing the Department access to the site and O&M records.

Portion of 123.13-1-2.111 Elk Street Commerce Park, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

The remedy achieves a Track 4 commercial use cleanup at a minimum and includes the imposition of a an environmental easement and a site management plan as described below.

INSTITUTIONAL CONTROL
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
- requires compliance with the Department approved Site Management Plan.

SITE MANAGEMENT PLAN
A Site Management Plan, which includes the following:
a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The environmental easement discussed in above.

Engineering Controls: The hydraulic containment system, the groundwater extraction system and the site cover discussed in Engineering Controls.

This plan includes, but may not be limited to:
- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any existing and new buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
- provisions for the management and inspection of the identified engineering controls;
- a provision that should an existing or future building or building foundation be demolished in the future, a cover system consistent with that described in Paragraph 8 above will be placed in any areas where the upper one foot of exposed surface soil exceed the applicable SCOs;
- provisions for the management and inspection of the identified engineering controls;
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- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

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c. an Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
- procedures for operating and maintaining the remedy;
- compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
- maintaining site access controls and Department notification; and
- providing the Department access to the site and O&M records.

Portion of 123.13-1-24 Buckeye Terminals, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

The remedy achieves a Track 4 commercial use cleanup at a minimum and includes the imposition of a an environmental easement and a site management plan as described below.

INSTITUTIONAL CONTROL
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water

quality treatment as determined by the NYSDOH or County DOH; and
- requires compliance with the Department approved Site Management Plan.

SITE MANAGEMENT PLAN
A Site Management Plan, which includes the following:
a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The environmental easement discussed in above.

Engineering Controls: The hydraulic containment system, the groundwater extraction system and the site cover discussed in Engineering Controls.

This plan includes, but may not be limited to:
- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any existing and new buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
- provisions for the management and inspection of the identified engineering controls;
- a provision that should an existing or future building or building foundation be demolished in the future, a cover system consistent with that described in Paragraph 8 above will be placed in any areas where the upper one foot of exposed surface soil exceed the applicable SCOs;
- provisions for the management and inspection of the identified engineering controls;
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b. a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
- monitoring of groundwater to assess the performance and effectiveness of the remedy; and
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- monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.

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- procedures for operating and maintaining the remedy;
- compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
- maintaining site access controls and Department notification; and
- providing the Department access to the site and O&M records.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
123.13-1-21	Groundwater Treatment System
	Cover System
	Groundwater Containment
	Subsurface Barriers
	Monitoring Wells

HYDRAULIC CONTAINMENT
Hydraulic containment of groundwater and petroleum non-aqueous phase liquid (NAPL) to minimize groundwater migration from the site will be accomplished by installing interconnected vertical groundwater barriers. Cement bentonite slurry walls were installed along the eastern and western borders of the site with a sealed steel bulkhead wall facing the Buffalo River. The cement bentonite slurry walls extends a minimum of three feet into the low permeability clay layer that underlies the site, and the steel bulkhead will extend down to bedrock below the low permeability clay layer at the site. The western cement bentonite slurry wall ties into the stabilized soil at the perimeter of OU-2 East

(BCP Site C915201B) which extends into the low permeability clay layer along the up-gradient areas of the site. The eastern cement bentonite slurry wall ties into the soil bentonite slurry wall installed along the western end of OU-4 (BCP Site C915201E). The cement bentonite slurry is a minimum of two feet wide and achieves an effective hydraulic conductivity of 1x10-7 centimeters/second (cm/sec). Due to constructability issues, a small section of the cement bentonite wall was constructed by jet grouting and will achieve an effective hydraulic conductivity of 1x10-6 cm/sec. The sealed steel bulkhead was constructed with interlocking steel sheet piles and steel king piles. The interlocking joints between the steel piles were sealed with an interlock sealant.

GROUNDWATER EXTRACTION AND TREATMENT
The existing well point system installed along the Buffalo River for groundwater extraction was decommissioned and a new groundwater extraction system was implemented for continued removal of petroleum NAPL in groundwater and to maintain a hydraulic gradient into the containment system. The groundwater extraction system operates in conjunction with the hydraulic control barrier system discussed in Paragraph 6 to prevent the off-site migration of contaminants. The groundwater extraction system will consist of six new groundwater extraction wells. The extraction wells were designed and installed so that the capture zone is sufficient to cover the areal and vertical extent of the site that contains separate phase petroleum adjacent to the Buffalo River and maintain an inward gradient within the hydraulic containment area. The extraction system creates a depression in the water table so that contaminated groundwater and separate phase petroleum is directed toward the extraction wells within the plume area.

The extracted groundwater is processed through the existing groundwater treatment system at the site to remove petroleum NAPL and treat contaminated groundwater by oil/water separation and air sparging to strip away contaminants from the water. The groundwater will be discharged to the local publicly owned treatment works.

The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

COVER SYSTEM
A site cover is required to allow for commercial and industrial use of the site in areas where the upper one foot of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of one foot of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

123.13-1-22

Groundwater Treatment System
Cover System
Groundwater Containment
Subsurface Barriers
Monitoring Wells

HYDRAULIC CONTAINMENT
Hydraulic containment of groundwater and petroleum non-aqueous phase liquid (NAPL) to minimize groundwater migration from the site will be accomplished by installing interconnected vertical groundwater barriers. Cement bentonite slurry walls were installed along the eastern and western borders of the site with a sealed steel bulkhead wall facing the Buffalo River. The cement bentonite slurry walls extends a minimum of three feet into the low permeability clay layer that underlies the site, and the steel bulkhead will extend down to bedrock below the low permeability clay layer at the site. The western cement bentonite slurry wall ties into the stabilized soil at the perimeter of OU-2 East (BCP Site C915201B) which extends into the low permeability clay layer along the up-gradient areas of the site. The eastern cement bentonite slurry wall ties into the soil bentonite slurry wall installed along the western end of OU-4 (BCP Site C915201E). The cement bentonite slurry is a minimum of two feet wide and achieves an effective hydraulic conductivity of 1x10-7 centimeters/second (cm/sec). Due to constructability issues, a small section of the cement bentonite wall was constructed by jet grouting

and will achieve an effective hydraulic conductivity of 1x10-6 cm/sec. The sealed steel bulkhead was constructed with interlocking steel sheet piles and steel king piles. The interlocking joints between the steel piles were sealed with an interlock sealant.

GROUNDWATER EXTRACTION AND TREATMENT
The existing well point system installed along the Buffalo River for groundwater extraction was decommissioned and a new groundwater extraction system was implemented for continued removal of petroleum NAPL in groundwater and to maintain a hydraulic gradient into the containment system. The groundwater extraction system operates in conjunction with the hydraulic control barrier system discussed in Paragraph 6 to prevent the off-site migration of contaminants. The groundwater extraction system will consist of six new groundwater extraction wells. The extraction wells were designed and installed so that the capture zone is sufficient to cover the areal and vertical extent of the site that contains separate phase petroleum adjacent to the Buffalo River and maintain an inward gradient within the hydraulic containment area. The extraction system creates a depression in the water table so that contaminated groundwater and separate phase petroleum is directed toward the extraction wells within the plume area.

The extracted groundwater is processed through the existing groundwater treatment system at the site to remove petroleum NAPL and treat contaminated groundwater by oil/water separation and air sparging to strip away contaminants from the water. The groundwater will be discharged to the local publicly owned treatment works.

The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

COVER SYSTEM
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Monitoring Wells
Groundwater Treatment System
Cover System
Groundwater Containment
Subsurface Barriers

HYDRAULIC CONTAINMENT
Hydraulic containment of groundwater and petroleum non-aqueous phase liquid (NAPL) to minimize groundwater migration from the site will be accomplished by installing interconnected vertical groundwater barriers. Cement bentonite slurry walls were installed along the eastern and western borders of the site with a sealed steel bulkhead wall facing the Buffalo River. The cement bentonite slurry walls extends a minimum of three feet into the low permeability clay layer that underlies the site, and the steel bulkhead will extend down to bedrock below the low permeability clay layer at the site. The western cement bentonite slurry wall ties into the stabilized soil at the perimeter of OU-2 East (BCP Site C915201B) which extends into the low permeability clay layer along the up-gradient areas of the site. The eastern cement bentonite slurry wall ties into the soil bentonite slurry wall installed along the western end of OU-4 (BCP Site C915201E). The cement bentonite slurry is a minimum of two feet wide and achieves an effective hydraulic conductivity of 1x10-7 centimeters/second (cm/sec). Due to constructability issues, a small section of the cement bentonite wall was constructed by jet grouting and will achieve an effective hydraulic conductivity of 1x10-6 cm/sec. The sealed steel bulkhead was constructed with interlocking steel sheet piles and steel king piles. The interlocking joints between the steel piles were sealed with an interlock sealant.

GROUNDWATER EXTRACTION AND TREATMENT

Parcel Engineering Control

The existing well point system installed along the Buffalo River for groundwater extraction was decommissioned and a new groundwater extraction system was implemented for continued removal of petroleum NAPL in groundwater and to maintain a hydraulic gradient into the containment system. The groundwater extraction system operates in conjunction with the hydraulic control barrier system discussed in Paragraph 6 to prevent the off-site migration of contaminants. The groundwater extraction system will consist of six new groundwater extraction wells. The extraction wells were designed and installed so that the capture zone is sufficient to cover the areal and vertical extent of the site that contains separate phase petroleum adjacent to the Buffalo River and maintain an inward gradient within the hydraulic containment area. The extraction system creates a depression in the water table so that contaminated groundwater and separate phase petroleum is directed toward the extraction wells within the plume area.

The extracted groundwater is processed through the existing groundwater treatment system at the site to remove petroleum NAPL and treat contaminated groundwater by oil/water separation and air sparging to strip away contaminants from the water. The groundwater will be discharged to the local publicly owned treatment works.

The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

COVER SYSTEM

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Portion of 123.13-1-2.111

Groundwater Treatment System
Cover System
Groundwater Containment
Subsurface Barriers
Monitoring Wells

HYDRAULIC CONTAINMENT

Hydraulic containment of groundwater and petroleum non-aqueous phase liquid (NAPL) to minimize groundwater migration from the site will be accomplished by installing interconnected vertical groundwater barriers. Cement bentonite slurry walls were installed along the eastern and western borders of the site with a sealed steel bulkhead wall facing the Buffalo River. The cement bentonite slurry walls extends a minimum of three feet into the low permeability clay layer that underlies the site, and the steel bulkhead will extend down to bedrock below the low permeability clay layer at the site. The western cement bentonite slurry wall ties into the stabilized soil at the perimeter of OU-2 East (BCP Site C915201B) which extends into the low permeability clay layer along the up-gradient areas of the site. The eastern cement bentonite slurry wall ties into the soil bentonite slurry wall installed along the western end of OU-4 (BCP Site C915201E). The cement bentonite slurry is a minimum of two feet wide and achieves an effective hydraulic conductivity of 1x10-7 centimeters/second (cm/sec). Due to constructability issues, a small section of the cement bentonite wall was constructed by jet grouting and will achieve an effective hydraulic conductivity of 1x10-6 cm/sec. The sealed steel bulkhead was constructed with interlocking steel sheet piles and steel king piles. The interlocking joints between the steel piles were sealed with an interlock sealant.

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system will consist of six new groundwater extraction wells. The extraction wells were designed and installed so that the capture zone is sufficient to cover the areal and vertical extent of the site that contains separate phase petroleum adjacent to the Buffalo River and maintain an inward gradient within the hydraulic containment area. The extraction system creates a depression in the water table so that contaminated groundwater and separate phase petroleum is directed toward the extraction wells within the plume area.

The extracted groundwater is processed through the existing groundwater treatment system at the site to remove petroleum NAPL and treat contaminated groundwater by oil/water separation and air sparging to strip away contaminants from the water. The groundwater will be discharged to the local publicly owned treatment works.

The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

COVER SYSTEM

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Portion of 123.13-1-24

Groundwater Treatment System
Cover System
Groundwater Containment
Subsurface Barriers
Monitoring Wells

HYDRAULIC CONTAINMENT

Hydraulic containment of groundwater and petroleum non-aqueous phase liquid (NAPL) to minimize groundwater migration from the site will be accomplished by installing interconnected vertical groundwater barriers. Cement bentonite slurry walls were installed along the eastern and western borders of the site with a sealed steel bulkhead wall facing the Buffalo River. The cement bentonite slurry walls extends a minimum of three feet into the low permeability clay layer that underlies the site, and the steel bulkhead will extend down to bedrock below the low permeability clay layer at the site. The western cement bentonite slurry wall ties into the stabilized soil at the perimeter of OU-2 East (BCP Site C915201B) which extends into the low permeability clay layer along the up-gradient areas of the site. The eastern cement bentonite slurry wall ties into the soil bentonite slurry wall installed along the western end of OU-4 (BCP Site C915201E). The cement bentonite slurry is a minimum of two feet wide and achieves an effective hydraulic conductivity of 1x10-7 centimeters/second (cm/sec). Due to constructability issues, a small section of the cement bentonite wall was constructed by jet grouting and will achieve an effective hydraulic conductivity of 1x10-6 cm/sec. The sealed steel bulkhead was constructed with interlocking steel sheet piles and steel king piles. The interlocking joints between the steel piles were sealed with an interlock sealant.

GROUNDWATER EXTRACTION AND TREATMENT

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Parcel	Engineering Control

the plume area.

The extracted groundwater is processed through the existing groundwater treatment system at the site to remove petroleum NAPL and treat contaminated groundwater by oil/water separation and air sparging to strip away contaminants from the water. The groundwater will be discharged to the local publicly owned treatment works.

The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

COVER SYSTEM

A site cover is required to allow for commercial and industrial use of the site in areas where the upper one foot of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of one foot of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C915201D

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Paul R. Neureuter (print name) at 4 Centre Drive, Orchard Park, NY 14127 (print business address),

am certifying as Owner (Owner or Remedial Party)

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

Elk Street Commerce Park, LLC
by Paul R. Neureuter co-manager

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

May 16, 2025
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 Daniel Noll (print name) at LaBella Associates, D.P.C. 300 State Street, Rochester, NY (print business address),

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



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		5/30/25

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: ExxonMobil Oil Former Buffalo Terminal **DEC Site ID No.** C915201D

II. Contact Information of Person Submitting Notification:

Name: Matthew Pearson

Address1: 4 Centre Drive Orchard Park, New York 14127

Address2:

Phone: 716-667-1234 E-mail: mpearson@kroggrp.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

☐ Change in Ownership or Change in Remedial Party(ies)

☐ Transfer of Certificate of Completion (CoC)

☑ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 07/01/2024

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Use of +/- 1.9 acres of space on the 1 Babcock Street parcel, Operable Unit No. 3 West (OU-3) by Steven's Driving School (SDS). SDS will use this space for the staging of Four (4) empty (no load) 53' tractor trailers. Additionally the space will be used to train drivers looking for CDL and other truck licensing and certification.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

It is not anticipated that the use of the office space will change or affect the completed remedial program at the site.

V. Certification Statement: Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ _____
(Signature) (Date)

_____
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ _____

(Signature) (Date)

_____

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

New York State Department of Environmental Conservation

Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Submit to: Chief, Site Control Section**,** New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I	**Description**
Site Name	Official DEC site name. (see http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3)
DEC Site ID No.	DEC site identification number.

Section II	**Contact Information of Person Submitting Notification**
Name	Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.
Address1	Street address or P.O. box number of the person submitting notification.
Address2	City, state and zip code of the person submitting notification.
Phone	Phone number of the person submitting notification.
E-mail	E-mail address of the person submitting notification.

Section III	**Type of Change and Date**
Check Boxes	Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.
Proposed Date of Change	Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV	**Description**
Description	For each change checked in Section III, describe the proposed change. Provide all applicable maps, drawings, and/or parcel information. If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site. Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party	
Name	Name of Certifying Party.
Address1	Certifying Party's street address or P.O. Box number.
Address2	Certifying Party's city, state and zip code.
Phone	Certifying Party's Phone number.
E-Mail	Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at http://www.dec.ny.gov/chemical/54736.html

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name	Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.
Address1	Current owner's street address.
Address2	Current owner's city, state and zip code.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7275
www.dec.ny.gov

June 28, 2024

Matthew Pearson
Elk Street Commerce Park, LLC
4 Centre Drive
Orchard Park, New York 14127

Dear Matthew Pearson:

Change of Use
ExxonMobil Oil Former Buffalo
Terminal OU-3, C915201D

This letter acknowledges receipt of your June 27, 2024 60-Day Advance Notification of Change of Use for the above referenced site, notifying the New York State Department of Environmental Conservation ("NYSDEC") of a change of use in accordance with 6 NYCRR 375-1.11(d). This acknowledgement is not intended to imply approval or concurrence with the proposed change of use.

Please note this change of use in upcoming Periodic Review Reports.

If you have any questions or need additional information, you may contact me at the address given above.

Sincerely,

Megan Kuczka
Environmental Program Specialist 1

MK/ds

ec: Andrea Caprio, P.E., Regional Remediation Engineer, NYSDEC Region 9
Eugene Melnyk, P.E., Project Manager, NYSDEC Region 9
Paul Neureuter, Elk Street Commerce Park, LLC
Robert Napieralski, LaBella Associates
Andy Janik, LaBella Associates

APPENDIX 7

Monthly GWTS Air Emissions Data

Air Emissions Compliance Monitoring for May 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	5/9/2024
Flow rate on date sampled:	53.34 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	22.00	1.10	ND (0.93)	ND (2.20)	23.10
Effluent Concentration (ug/l):	7.70	ND (0.91)	ND (0.93)	ND (2.20)	7.70
Flow Rate (Gal/min)[1]:	53.34	53.34	53.34	53.34	53.34
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	65.00%	17.27%	0.00%	0.00%	66.66%
Emission Rate (lb/hr):	0.0004	0.0000	0.0000	0.0000	0.0004
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 5/14/2024 10:39:50 AM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-219711-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

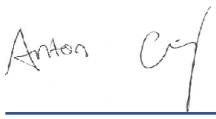
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
5/14/2024 10:39:50 AM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-219711-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-219711-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 5/9/2024 3:10 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 15.9°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 EFFLUENT (480-219711-1) and BSA OUTFALL (480-219711-2). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

Client Sample ID: OWS-2 EFFLUENT — Lab Sample ID: 480-219711-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	22		10	1.2	ug/L	2		624.1	Total/NA
Toluene	1.1	J	10	0.91	ug/L	2		624.1	Total/NA
Total BTEX	23		20	2.2	ug/L	2		624.1	Total/NA

Client Sample ID: BSA OUTFALL — Lab Sample ID: 480-219711-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.7	J	10	1.2	ug/L	2		624.1	Total/NA
Total BTEX	7.7	J	20	2.2	ug/L	2		624.1	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-219711-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

Client Sample ID: OWS-2 EFFLUENT

Date Collected: 05/09/24 10:30
Date Received: 05/09/24 15:10

Lab Sample ID: 480-219711-1

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**22**		10	1.2	ug/L			05/09/24 21:13	2
Ethylbenzene	ND		10	0.93	ug/L			05/09/24 21:13	2
m-Xylene & p-Xylene	ND		20	2.2	ug/L			05/09/24 21:13	2
o-Xylene	ND		10	0.86	ug/L			05/09/24 21:13	2
Toluene	**1.1**	**J**	10	0.91	ug/L			05/09/24 21:13	2
Total BTEX	**23**		20	2.2	ug/L			05/09/24 21:13	2
Xylenes, Total	ND		20	2.2	ug/L			05/09/24 21:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*05/09/24 21:13*	*2*
4-Bromofluorobenzene (Surr)	*96*		*76 - 123*		*05/09/24 21:13*	*2*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*05/09/24 21:13*	*2*
Toluene-d8 (Surr)	*100*		*77 - 120*		*05/09/24 21:13*	*2*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

Client Sample ID: BSA OUTFALL

Date Collected: 05/09/24 10:35
Date Received: 05/09/24 15:10

Lab Sample ID: 480-219711-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7.7**	**J**	10	1.2	ug/L			05/09/24 21:36	2
Ethylbenzene	ND		10	0.93	ug/L			05/09/24 21:36	2
m-Xylene & p-Xylene	ND		20	2.2	ug/L			05/09/24 21:36	2
o-Xylene	ND		10	0.86	ug/L			05/09/24 21:36	2
Toluene	ND		10	0.91	ug/L			05/09/24 21:36	2
Total BTEX	**7.7**	**J**	20	2.2	ug/L			05/09/24 21:36	2
Xylenes, Total	ND		20	2.2	ug/L			05/09/24 21:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*68 - 130*		*05/09/24 21:36*	*2*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*		*05/09/24 21:36*	*2*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*05/09/24 21:36*	*2*
Toluene-d8 (Surr)	*98*		*77 - 120*		*05/09/24 21:36*	*2*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

Client Sample ID: TRIP BLANK

Date Collected: 05/09/24 00:00
Date Received: 05/09/24 15:10

Lab Sample ID: 480-219711-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			05/09/24 22:01	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/09/24 22:01	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			05/09/24 22:01	1
o-Xylene	ND		5.0	0.43	ug/L			05/09/24 22:01	1
Toluene	ND		5.0	0.45	ug/L			05/09/24 22:01	1
Total BTEX	ND		10	1.1	ug/L			05/09/24 22:01	1
Xylenes, Total	ND		10	1.1	ug/L			05/09/24 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*05/09/24 22:01*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*05/09/24 22:01*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/09/24 22:01*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*05/09/24 22:01*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-219711-1	OWS-2 EFFLUENT	93	96	98	100
480-219711-2	BSA OUTFALL	92	95	98	98
480-219711-3	TRIP BLANK	95	94	99	99
LCS 480-711350/6	Lab Control Sample	91	96	98	100
MB 480-711350/8	Method Blank	93	94	98	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-711350/8
Matrix: Water
Analysis Batch: 711350

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			05/09/24 15:34	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/09/24 15:34	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			05/09/24 15:34	1
o-Xylene	ND		5.0	0.43	ug/L			05/09/24 15:34	1
Toluene	ND		5.0	0.45	ug/L			05/09/24 15:34	1
Total BTEX	ND		10	1.1	ug/L			05/09/24 15:34	1
Xylenes, Total	ND		10	1.1	ug/L			05/09/24 15:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*05/09/24 15:34*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*05/09/24 15:34*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*05/09/24 15:34*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*05/09/24 15:34*	*1*

Lab Sample ID: LCS 480-711350/6
Matrix: Water
Analysis Batch: 711350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.6		ug/L		103	37 - 151		
Ethylbenzene			20.0	20.1		ug/L		100	37 - 162		
m-Xylene & p-Xylene			20.0	20.3		ug/L		102	79 - 120		
o-Xylene			20.0	19.6		ug/L		98	79 - 120		
Toluene			20.0	20.2		ug/L		101	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*68 - 130*
4-Bromofluorobenzene (Surr)	*96*		*76 - 123*
Dibromofluoromethane (Surr)	*98*		*75 - 123*
Toluene-d8 (Surr)	*100*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

GC/MS VOA

Analysis Batch: 711350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219711-1	OWS-2 EFFLUENT	Total/NA	Water	624.1	
480-219711-2	BSA OUTFALL	Total/NA	Water	624.1	
480-219711-3	TRIP BLANK	Total/NA	Water	624.1	
MB 480-711350/8	Method Blank	Total/NA	Water	624.1	
LCS 480-711350/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-219711-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 EFFLUENT
Lab Sample ID: 480-219711-1
Date Collected: 05/09/24 10:30
Matrix: Water
Date Received: 05/09/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		2	711350	AXK	EET BUF	05/09/24 21:13

Client Sample ID: BSA OUTFALL
Lab Sample ID: 480-219711-2
Date Collected: 05/09/24 10:35
Matrix: Water
Date Received: 05/09/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		2	711350	AXK	EET BUF	05/09/24 21:36

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-219711-3
Date Collected: 05/09/24 00:00
Matrix: Water
Date Received: 05/09/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	711350	AXK	EET BUF	05/09/24 22:01

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-219711-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-219711-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219711-1	OWS-2 EFFLUENT	Water	05/09/24 10:30	05/09/24 15:10
480-219711-2	BSA OUTFALL	Water	05/09/24 10:35	05/09/24 15:10
480-219711-3	TRIP BLANK	Water	05/09/24 00:00	05/09/24 15:10

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 5/9/2024	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	Analysis Turnaround Time			Sampler: Chris Finn
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
716-551-6281	TAT if different from Below			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	5/9/24	10:30	G	W	3			x	
BSA Outfall	5/9/24	10:35	G	W	3			x	
Trip Blank				W	2			x	

480-219711 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be asses

☐ Return to Client ☑ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

15.9 no I (E

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: LaBella	Date/Time: 5/9/24 1516	Received by:	Company: TAB	Date/Time: 5-9-24 1510
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

5/14/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-219711-1

Login Number: 219711
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is acceptable.	True	rec'd same day as collected
Cooler Temperature is recorded.	True	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for June 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	6/13/2024
Flow rate on date sampled:	47.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	45.00	2.70	ND (1.90)	ND (4.30)	47.70
Effluent Concentration (ug/l):	11.00	ND (1.80)	ND (1.90)	ND (4.30)	11.00
Flow Rate (Gal/min)[1]:	47.00	47.00	47.00	47.00	47.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	75.56%	33.33%	0.00%	0.00%	76.94%
Emission Rate (lb/hr):	0.0008	0.0000	0.0000	0.0000	0.0009
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 6/18/2024 1:45:28 PM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-220805-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

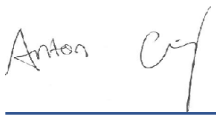
Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Designee for
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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-220805-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-220805-1 Eurofins Buffalo

Job Narrative
480-220805-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/13/2024 2:20 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 20.6°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 EFFLUENT (480-220805-1) and BSA OUTFALL (480-220805-2). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

Client Sample ID: OWS-2 EFFLUENT — Lab Sample ID: 480-220805-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	45		20	2.4	ug/L	4		624.1	Total/NA
Toluene	2.7	J	20	1.8	ug/L	4		624.1	Total/NA
Total BTEX	48		40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: BSA OUTFALL — Lab Sample ID: 480-220805-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11	J	20	2.4	ug/L	4		624.1	Total/NA
Total BTEX	11	J	40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-220805-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

Client Sample ID: OWS-2 EFFLUENT

Date Collected: 06/13/24 12:35
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220805-1

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**45**		20	2.4	ug/L			06/14/24 13:58	4
Ethylbenzene	ND		20	1.9	ug/L			06/14/24 13:58	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			06/14/24 13:58	4
o-Xylene	ND		20	1.7	ug/L			06/14/24 13:58	4
Toluene	**2.7**	**J**	20	1.8	ug/L			06/14/24 13:58	4
Total BTEX	**48**		40	4.3	ug/L			06/14/24 13:58	4
Xylenes, Total	ND		40	4.3	ug/L			06/14/24 13:58	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*06/14/24 13:58*	*4*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*06/14/24 13:58*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/14/24 13:58*	*4*
Toluene-d8 (Surr)	*104*		*77 - 120*		*06/14/24 13:58*	*4*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

Client Sample ID: BSA OUTFALL

Date Collected: 06/13/24 12:40
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220805-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11**	**J**	20	2.4	ug/L			06/14/24 14:21	4
Ethylbenzene	ND		20	1.9	ug/L			06/14/24 14:21	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			06/14/24 14:21	4
o-Xylene	ND		20	1.7	ug/L			06/14/24 14:21	4
Toluene	ND		20	1.8	ug/L			06/14/24 14:21	4
Total BTEX	**11**	**J**	40	4.3	ug/L			06/14/24 14:21	4
Xylenes, Total	ND		40	4.3	ug/L			06/14/24 14:21	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*06/14/24 14:21*	*4*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*06/14/24 14:21*	*4*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/14/24 14:21*	*4*
Toluene-d8 (Surr)	*106*		*77 - 120*		*06/14/24 14:21*	*4*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

Client Sample ID: TRIP BLANK

Date Collected: 06/13/24 00:00
Date Received: 06/13/24 14:20

Lab Sample ID: 480-220805-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			06/14/24 14:46	1
Ethylbenzene	ND		5.0	0.46	ug/L			06/14/24 14:46	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			06/14/24 14:46	1
o-Xylene	ND		5.0	0.43	ug/L			06/14/24 14:46	1
Toluene	ND		5.0	0.45	ug/L			06/14/24 14:46	1
Total BTEX	ND		10	1.1	ug/L			06/14/24 14:46	1
Xylenes, Total	ND		10	1.1	ug/L			06/14/24 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*06/14/24 14:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*06/14/24 14:46*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/14/24 14:46*	*1*
Toluene-d8 (Surr)	*103*		*77 - 120*		*06/14/24 14:46*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-220805-1	OWS-2 EFFLUENT	106	101	103	104
480-220805-2	BSA OUTFALL	106	100	104	106
480-220805-3	TRIP BLANK	104	99	101	103
LCS 480-715608/6	Lab Control Sample	107	102	107	104
MB 480-715608/8	Method Blank	106	101	108	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-715608/8
Matrix: Water
Analysis Batch: 715608

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			06/14/24 12:21	1
Ethylbenzene	ND		5.0	0.46	ug/L			06/14/24 12:21	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			06/14/24 12:21	1
o-Xylene	ND		5.0	0.43	ug/L			06/14/24 12:21	1
Toluene	ND		5.0	0.45	ug/L			06/14/24 12:21	1
Total BTEX	ND		10	1.1	ug/L			06/14/24 12:21	1
Xylenes, Total	ND		10	1.1	ug/L			06/14/24 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*06/14/24 12:21*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*06/14/24 12:21*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*06/14/24 12:21*	*1*
Toluene-d8 (Surr)	*105*		*77 - 120*		*06/14/24 12:21*	*1*

Lab Sample ID: LCS 480-715608/6
Matrix: Water
Analysis Batch: 715608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	22.0		ug/L		110	37 - 151		
Ethylbenzene			20.0	22.4		ug/L		112	37 - 162		
m-Xylene & p-Xylene			20.0	22.0		ug/L		110	79 - 120		
o-Xylene			20.0	22.0		ug/L		110	79 - 120		
Toluene			20.0	21.8		ug/L		109	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*104*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

GC/MS VOA

Analysis Batch: 715608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220805-1	OWS-2 EFFLUENT	Total/NA	Water	624.1	
480-220805-2	BSA OUTFALL	Total/NA	Water	624.1	
480-220805-3	TRIP BLANK	Total/NA	Water	624.1	
MB 480-715608/8	Method Blank	Total/NA	Water	624.1	
LCS 480-715608/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-220805-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 EFFLUENT
Lab Sample ID: 480-220805-1
Date Collected: 06/13/24 12:35
Matrix: Water
Date Received: 06/13/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	715608	AXK	EET BUF	06/14/24 13:58

Client Sample ID: BSA OUTFALL
Lab Sample ID: 480-220805-2
Date Collected: 06/13/24 12:40
Matrix: Water
Date Received: 06/13/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	715608	AXK	EET BUF	06/14/24 14:21

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-220805-3
Date Collected: 06/13/24 00:00
Matrix: Water
Date Received: 06/13/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	715608	AXK	EET BUF	06/14/24 14:46

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-220805-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-220805-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220805-1	OWS-2 EFFLUENT	Water	06/13/24 12:35	06/13/24 14:20
480-220805-2	BSA OUTFALL	Water	06/13/24 12:40	06/13/24 14:20
480-220805-3	TRIP BLANK	Water	06/13/24 00:00	06/13/24 14:20

Chain of Custody Record

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	Analysis Turnaround Time			Sampler: Chris Finn
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
716-551-6281	TAT if different from Below			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # 2231211	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	6/13	1235	G	W	3			x	
BSA Outfall	6/13	1240	G	W	3			x	
Trip Blank				W	2			x	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if s...

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

480-220805 Chain of Custody

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

2016 #1 No ice

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company: LaBella	Date/Time: 6/13 1420	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 6/13/24 1420

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-220805-1

Login Number: 220805
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for July 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	7/10/2024
Flow rate on date sampled:	44.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	53.00	2.70	ND (1.90)	ND (4.30)	55.70
Effluent Concentration (ug/l):	26.00	ND (1.80)	ND (1.90)	ND (4.30)	26.00
Flow Rate (Gal/min)[1]:	44.00	44.00	44.00	44.00	44.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	51.00%	33.33%	0.00%	0.00%	53.32%
Emission Rate (lb/hr):	0.0006	0.0000	0.0000	0.0000	0.0007
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 7/17/2024 10:15:33 AM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-221489-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

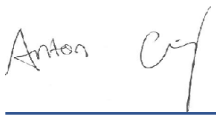
Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
7/17/2024 10:15:33 AM

Authorized for release by
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Designee for
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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-221489-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-221489-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 7/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 24.5°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 EFFLUENT (480-221489-1) and BSA OUTFALL (480-221489-2). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Client Sample ID: OWS-2 EFFLUENT — Lab Sample ID: 480-221489-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	53		20	2.4	ug/L	4		624.1	Total/NA
Toluene	2.7	J	20	1.8	ug/L	4		624.1	Total/NA
Total BTEX	56		40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: BSA OUTFALL — Lab Sample ID: 480-221489-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	26		20	2.4	ug/L	4		624.1	Total/NA
Total BTEX	26	J	40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-221489-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Client Sample ID: OWS-2 EFFLUENT
Date Collected: 07/10/24 14:00
Date Received: 07/10/24 15:00

Lab Sample ID: 480-221489-1
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**53**		20	2.4	ug/L			07/11/24 13:08	4
Ethylbenzene	ND		20	1.9	ug/L			07/11/24 13:08	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			07/11/24 13:08	4
o-Xylene	ND		20	1.7	ug/L			07/11/24 13:08	4
Toluene	**2.7**	**J**	20	1.8	ug/L			07/11/24 13:08	4
Total BTEX	**56**		40	4.3	ug/L			07/11/24 13:08	4
Xylenes, Total	ND		40	4.3	ug/L			07/11/24 13:08	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*07/11/24 13:08*	*4*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*07/11/24 13:08*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*07/11/24 13:08*	*4*
Toluene-d8 (Surr)	*103*		*77 - 120*		*07/11/24 13:08*	*4*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Client Sample ID: BSA OUTFALL
Date Collected: 07/10/24 14:05
Date Received: 07/10/24 15:00

Lab Sample ID: 480-221489-2
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**26**		20	2.4	ug/L			07/11/24 13:32	4
Ethylbenzene	ND		20	1.9	ug/L			07/11/24 13:32	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			07/11/24 13:32	4
o-Xylene	ND		20	1.7	ug/L			07/11/24 13:32	4
Toluene	ND		20	1.8	ug/L			07/11/24 13:32	4
Total BTEX	**26**	**J**	40	4.3	ug/L			07/11/24 13:32	4
Xylenes, Total	ND		40	4.3	ug/L			07/11/24 13:32	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 130*		*07/11/24 13:32*	*4*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*07/11/24 13:32*	*4*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*07/11/24 13:32*	*4*
Toluene-d8 (Surr)	*104*		*77 - 120*		*07/11/24 13:32*	*4*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Client Sample ID: TRIP BLANK

Date Collected: 07/10/24 00:00
Date Received: 07/10/24 15:00

Lab Sample ID: 480-221489-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			07/11/24 13:56	1
Ethylbenzene	ND		5.0	0.46	ug/L			07/11/24 13:56	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			07/11/24 13:56	1
o-Xylene	ND		5.0	0.43	ug/L			07/11/24 13:56	1
Toluene	ND		5.0	0.45	ug/L			07/11/24 13:56	1
Total BTEX	ND		10	1.1	ug/L			07/11/24 13:56	1
Xylenes, Total	ND		10	1.1	ug/L			07/11/24 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*07/11/24 13:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*07/11/24 13:56*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/11/24 13:56*	*1*
Toluene-d8 (Surr)	*104*		*77 - 120*		*07/11/24 13:56*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-221489-1	OWS-2 EFFLUENT	108	99	102	103
480-221489-2	BSA OUTFALL	112	100	109	104
480-221489-3	TRIP BLANK	109	99	98	104
LCS 480-718138/6	Lab Control Sample	109	99	107	103
MB 480-718138/8	Method Blank	107	97	106	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-718138/8
Matrix: Water
Analysis Batch: 718138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			07/11/24 12:19	1
Ethylbenzene	ND		5.0	0.46	ug/L			07/11/24 12:19	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			07/11/24 12:19	1
o-Xylene	ND		5.0	0.43	ug/L			07/11/24 12:19	1
Toluene	ND		5.0	0.45	ug/L			07/11/24 12:19	1
Total BTEX	ND		10	1.1	ug/L			07/11/24 12:19	1
Xylenes, Total	ND		10	1.1	ug/L			07/11/24 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*07/11/24 12:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*07/11/24 12:19*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*07/11/24 12:19*	*1*
Toluene-d8 (Surr)	*103*		*77 - 120*		*07/11/24 12:19*	*1*

Lab Sample ID: LCS 480-718138/6
Matrix: Water
Analysis Batch: 718138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	21.7		ug/L		109	37 - 151		
Ethylbenzene			20.0	21.2		ug/L		106	37 - 162		
m-Xylene & p-Xylene			20.0	21.1		ug/L		105	79 - 120		
o-Xylene			20.0	20.7		ug/L		104	79 - 120		
Toluene			20.0	21.2		ug/L		106	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*103*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

GC/MS VOA

Analysis Batch: 718138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221489-1	OWS-2 EFFLUENT	Total/NA	Water	624.1	
480-221489-2	BSA OUTFALL	Total/NA	Water	624.1	
480-221489-3	TRIP BLANK	Total/NA	Water	624.1	
MB 480-718138/8	Method Blank	Total/NA	Water	624.1	
LCS 480-718138/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Client Sample ID: OWS-2 EFFLUENT
Lab Sample ID: 480-221489-1
Date Collected: 07/10/24 14:00
Matrix: Water
Date Received: 07/10/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	718138	AXK	EET BUF	07/11/24 13:08

Client Sample ID: BSA OUTFALL
Lab Sample ID: 480-221489-2
Date Collected: 07/10/24 14:05
Matrix: Water
Date Received: 07/10/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	718138	AXK	EET BUF	07/11/24 13:32

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-221489-3
Date Collected: 07/10/24 00:00
Matrix: Water
Date Received: 07/10/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	718138	AXK	EET BUF	07/11/24 13:56

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-221489-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-221489-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-221489-1	OWS-2 EFFLUENT	Water	07/10/24 14:00	07/10/24 15:00
480-221489-2	BSA OUTFALL	Water	07/10/24 14:05	07/10/24 15:00
480-221489-3	TRIP BLANK	Water	07/10/24 00:00	07/10/24 15:00

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 7/10/24	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Chris Finn
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below ____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # 2231211	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1	Sample Specific Notes:
					2				
OWS-2 Effluent	7/10	1400	G	W	3			x	
BSA Outfall	7/10	1405	G	W	3			x	
Trip Blank				W	2			x	

480-221489 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

2 @ 5# 1 @ 0 ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by:	Company: LaBella	Date/Time: 7/10/24 1500	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 7/10/24 1500

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-221489-1

Login Number: 221489
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for August 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	8/8/2024
Flow rate on date sampled:	30.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	54.00	3.90	2.00	ND (4.30)	59.90
Effluent Concentration (ug/l):	21.00	ND (1.80)	ND (1.90)	ND (4.30)	21.00
Flow Rate (Gal/min)[1]:	30.00	30.00	30.00	30.00	30.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	61.11%	53.85%	5.00%	0.00%	64.94%
Emission Rate (lb/hr):	0.0005	0.0000	0.0000	0.0000	0.0006
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 8/13/2024 2:13:21 PM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-222410-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

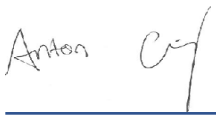
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
8/13/2024 2:13:21 PM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-222410-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-222410-1 Eurofins Buffalo

Job Narrative
480-222410-1

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 8/8/2024 2:35 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 16.7°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BSA Outfall (480-222410-2). Elevated reporting limits (RLs) are provided.

Method 624.1_PREC: The following sample was diluted due to the abundance of non-target analytes: OWS-2 Effluent (480-222410-1). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Client Sample ID: OWS-2 Effluent — Lab Sample ID: 480-222410-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	54		20	2.4	ug/L	4		624.1	Total/NA
Ethylbenzene	2.0	J	20	1.9	ug/L	4		624.1	Total/NA
Toluene	3.9	J	20	1.8	ug/L	4		624.1	Total/NA
Total BTEX	60		40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: BSA Outfall — Lab Sample ID: 480-222410-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		20	2.4	ug/L	4		624.1	Total/NA
Total BTEX	21	J	40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-222410-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Client Sample ID: OWS-2 Effluent

Date Collected: 08/08/24 09:20
Date Received: 08/08/24 14:35

Lab Sample ID: 480-222410-1

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**54**		20	2.4	ug/L			08/09/24 19:06	4
Ethylbenzene	**2.0**	**J**	20	1.9	ug/L			08/09/24 19:06	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			08/09/24 19:06	4
o-Xylene	ND		20	1.7	ug/L			08/09/24 19:06	4
Toluene	**3.9**	**J**	20	1.8	ug/L			08/09/24 19:06	4
Total BTEX	**60**		40	4.3	ug/L			08/09/24 19:06	4
Xylenes, Total	ND		40	4.3	ug/L			08/09/24 19:06	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*08/09/24 19:06*	*4*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*08/09/24 19:06*	*4*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/09/24 19:06*	*4*
Toluene-d8 (Surr)	*105*		*77 - 120*		*08/09/24 19:06*	*4*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Client Sample ID: BSA Outfall

Date Collected: 08/08/24 09:25
Date Received: 08/08/24 14:35

Lab Sample ID: 480-222410-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**21**		20	2.4	ug/L			08/09/24 19:30	4
Ethylbenzene	ND		20	1.9	ug/L			08/09/24 19:30	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			08/09/24 19:30	4
o-Xylene	ND		20	1.7	ug/L			08/09/24 19:30	4
Toluene	ND		20	1.8	ug/L			08/09/24 19:30	4
Total BTEX	**21**	**J**	40	4.3	ug/L			08/09/24 19:30	4
Xylenes, Total	ND		40	4.3	ug/L			08/09/24 19:30	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*08/09/24 19:30*	*4*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*08/09/24 19:30*	*4*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/09/24 19:30*	*4*
Toluene-d8 (Surr)	*106*		*77 - 120*		*08/09/24 19:30*	*4*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Client Sample ID: Trip Blank

Date Collected: 08/08/24 09:15
Date Received: 08/08/24 14:35

Lab Sample ID: 480-222410-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			08/09/24 19:55	1
Ethylbenzene	ND		5.0	0.46	ug/L			08/09/24 19:55	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			08/09/24 19:55	1
o-Xylene	ND		5.0	0.43	ug/L			08/09/24 19:55	1
Toluene	ND		5.0	0.45	ug/L			08/09/24 19:55	1
Total BTEX	ND		10	1.1	ug/L			08/09/24 19:55	1
Xylenes, Total	ND		10	1.1	ug/L			08/09/24 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*08/09/24 19:55*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*08/09/24 19:55*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/09/24 19:55*	*1*
Toluene-d8 (Surr)	*105*		*77 - 120*		*08/09/24 19:55*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-222410-1	OWS-2 Effluent	107	99	108	105
480-222410-2	BSA Outfall	105	98	107	106
480-222410-3	Trip Blank	107	98	109	105
LCS 480-721231/6	Lab Control Sample	110	99	106	106
MB 480-721231/8	Method Blank	105	98	106	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-721231/8
Matrix: Water
Analysis Batch: 721231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			08/09/24 13:22	1
Ethylbenzene	ND		5.0	0.46	ug/L			08/09/24 13:22	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			08/09/24 13:22	1
o-Xylene	ND		5.0	0.43	ug/L			08/09/24 13:22	1
Toluene	ND		5.0	0.45	ug/L			08/09/24 13:22	1
Total BTEX	ND		10	1.1	ug/L			08/09/24 13:22	1
Xylenes, Total	ND		10	1.1	ug/L			08/09/24 13:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*08/09/24 13:22*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*08/09/24 13:22*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/09/24 13:22*	*1*
Toluene-d8 (Surr)	*105*		*77 - 120*		*08/09/24 13:22*	*1*

Lab Sample ID: LCS 480-721231/6
Matrix: Water
Analysis Batch: 721231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.1		ug/L		101	37 - 151		
Ethylbenzene			20.0	19.8		ug/L		99	37 - 162		
m-Xylene & p-Xylene			20.0	19.9		ug/L		99	79 - 120		
o-Xylene			20.0	21.0		ug/L		105	79 - 120		
Toluene			20.0	20.7		ug/L		103	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 130*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*106*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

GC/MS VOA

Analysis Batch: 721231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222410-1	OWS-2 Effluent	Total/NA	Water	624.1	
480-222410-2	BSA Outfall	Total/NA	Water	624.1	
480-222410-3	Trip Blank	Total/NA	Water	624.1	
MB 480-721231/8	Method Blank	Total/NA	Water	624.1	
LCS 480-721231/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Client Sample ID: OWS-2 Effluent
Lab Sample ID: 480-222410-1
Date Collected: 08/08/24 09:20
Matrix: Water
Date Received: 08/08/24 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	721231	AXK	EET BUF	08/09/24 19:06

Client Sample ID: BSA Outfall
Lab Sample ID: 480-222410-2
Date Collected: 08/08/24 09:25
Matrix: Water
Date Received: 08/08/24 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	721231	AXK	EET BUF	08/09/24 19:30

Client Sample ID: Trip Blank
Lab Sample ID: 480-222410-3
Date Collected: 08/08/24 09:15
Matrix: Water
Date Received: 08/08/24 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	721231	AXK	EET BUF	08/09/24 19:55

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-222410-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-222410-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-222410-1	OWS-2 Effluent	Water	08/08/24 09:20	08/08/24 14:35
480-222410-2	BSA Outfall	Water	08/08/24 09:25	08/08/24 14:35
480-222410-3	Trip Blank	Water	08/08/24 09:15	08/08/24 14:35

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 8/8/2024	COC No: 1
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Carly Repka
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below _____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	8/8/24	0920	G	W	3			x	
BSA Outfall	8/8/24	0925	G	W	3			x	
Trip Blank	8/8/24	0915		W	2			x	

480-222410 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

617 #1 NO ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by: Carly Repka	Company: LaBella	Date/Time: 8/8/24 14:35	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 8/8/24 1435

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

8/13/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-222410-1

Login Number: 222410
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.7 #1 no 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	Labella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for September 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	9/11/2024
Flow rate on date sampled:	65.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	78.00	2.80	ND (1.90)	ND (4.30)	80.80
Effluent Concentration (ug/l):	41.00	ND (1.80)	ND (1.90)	ND (4.30)	41.00
Flow Rate (Gal/min)[1]:	65.00	65.00	65.00	65.00	65.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	47.44%	35.71%	0.00%	0.00%	49.26%
Emission Rate (lb/hr):	0.0012	0.0000	0.0000	0.0000	0.0013
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 9/16/2024 8:18:39 AM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-223338-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

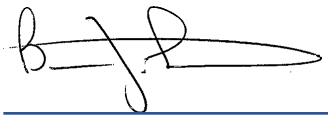
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
9/16/2024 8:18:39 AM

Authorized for release by
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-223338-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-223338-1 Eurofins Buffalo

Job Narrative
480-223338-1

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 9/12/2024 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 23.4°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 Effluent (480-223338-1) and BSA Outfall (480-223338-2). 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.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-223338-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 Effluent
Lab Sample ID: 480-223338-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	78		20	2.4	ug/L	4		624.1	Total/NA
Toluene	2.8	J	20	1.8	ug/L	4		624.1	Total/NA
Total BTEX	81		40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: BSA Outfall
Lab Sample ID: 480-223338-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	41		20	2.4	ug/L	4		624.1	Total/NA
Total BTEX	41		40	4.3	ug/L	4		624.1	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 480-223338-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

Client Sample ID: OWS-2 Effluent

Lab Sample ID: 480-223338-1

Date Collected: 09/11/24 12:45

Matrix: Water

Date Received: 09/12/24 14:15

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**78**		20	2.4	ug/L			09/13/24 00:16	4
Ethylbenzene	ND		20	1.9	ug/L			09/13/24 00:16	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			09/13/24 00:16	4
o-Xylene	ND		20	1.7	ug/L			09/13/24 00:16	4
Toluene	**2.8**	**J**	20	1.8	ug/L			09/13/24 00:16	4
Total BTEX	**81**		40	4.3	ug/L			09/13/24 00:16	4
Xylenes, Total	ND		40	4.3	ug/L			09/13/24 00:16	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*09/13/24 00:16*	*4*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*09/13/24 00:16*	*4*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/13/24 00:16*	*4*
Toluene-d8 (Surr)	*106*		*77 - 120*		*09/13/24 00:16*	*4*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

Client Sample ID: BSA Outfall

Date Collected: 09/11/24 12:50
Date Received: 09/12/24 14:15

Lab Sample ID: 480-223338-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**41**		20	2.4	ug/L			09/13/24 00:40	4
Ethylbenzene	ND		20	1.9	ug/L			09/13/24 00:40	4
m-Xylene & p-Xylene	ND		40	4.3	ug/L			09/13/24 00:40	4
o-Xylene	ND		20	1.7	ug/L			09/13/24 00:40	4
Toluene	ND		20	1.8	ug/L			09/13/24 00:40	4
Total BTEX	**41**		40	4.3	ug/L			09/13/24 00:40	4
Xylenes, Total	ND		40	4.3	ug/L			09/13/24 00:40	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*09/13/24 00:40*	*4*
4-Bromofluorobenzene (Surr)	*96*		*76 - 123*		*09/13/24 00:40*	*4*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/13/24 00:40*	*4*
Toluene-d8 (Surr)	*106*		*77 - 120*		*09/13/24 00:40*	*4*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

Client Sample ID: Trip Blank
Date Collected: 09/11/24 12:30
Date Received: 09/12/24 14:15

Lab Sample ID: 480-223338-3
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			09/13/24 01:04	1
Ethylbenzene	ND		5.0	0.46	ug/L			09/13/24 01:04	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			09/13/24 01:04	1
o-Xylene	ND		5.0	0.43	ug/L			09/13/24 01:04	1
Toluene	ND		5.0	0.45	ug/L			09/13/24 01:04	1
Total BTEX	ND		10	1.1	ug/L			09/13/24 01:04	1
Xylenes, Total	ND		10	1.1	ug/L			09/13/24 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*09/13/24 01:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*09/13/24 01:04*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/13/24 01:04*	*1*
Toluene-d8 (Surr)	*108*		*77 - 120*		*09/13/24 01:04*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-223338-1	OWS-2 Effluent	105	98	106	106
480-223338-2	BSA Outfall	102	96	101	106
480-223338-3	Trip Blank	105	97	108	108
LCS 480-724962/6	Lab Control Sample	106	98	105	106
MB 480-724962/8	Method Blank	104	97	99	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-724962/8
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			09/12/24 20:35	1
Ethylbenzene	ND		5.0	0.46	ug/L			09/12/24 20:35	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			09/12/24 20:35	1
o-Xylene	ND		5.0	0.43	ug/L			09/12/24 20:35	1
Toluene	ND		5.0	0.45	ug/L			09/12/24 20:35	1
Total BTEX	ND		10	1.1	ug/L			09/12/24 20:35	1
Xylenes, Total	ND		10	1.1	ug/L			09/12/24 20:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*09/12/24 20:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*09/12/24 20:35*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/12/24 20:35*	*1*
Toluene-d8 (Surr)	*107*		*77 - 120*		*09/12/24 20:35*	*1*

Lab Sample ID: LCS 480-724962/6
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.3		ug/L		101	37 - 151		
Ethylbenzene			20.0	20.2		ug/L		101	37 - 162		
m-Xylene & p-Xylene			20.0	19.8		ug/L		99	79 - 120		
o-Xylene			20.0	21.0		ug/L		105	79 - 120		
Toluene			20.0	21.1		ug/L		105	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*106*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

GC/MS VOA

Analysis Batch: 724962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223338-1	OWS-2 Effluent	Total/NA	Water	624.1	
480-223338-2	BSA Outfall	Total/NA	Water	624.1	
480-223338-3	Trip Blank	Total/NA	Water	624.1	
MB 480-724962/8	Method Blank	Total/NA	Water	624.1	
LCS 480-724962/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-223338-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 Effluent
Lab Sample ID: 480-223338-1

Date Collected: 09/11/24 12:45
Matrix: Water
Date Received: 09/12/24 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	724962	AXK	EET BUF	09/13/24 00:16

Client Sample ID: BSA Outfall
Lab Sample ID: 480-223338-2

Date Collected: 09/11/24 12:50
Matrix: Water
Date Received: 09/12/24 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		4	724962	AXK	EET BUF	09/13/24 00:40

Client Sample ID: Trip Blank
Lab Sample ID: 480-223338-3

Date Collected: 09/11/24 12:30
Matrix: Water
Date Received: 09/12/24 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	724962	AXK	EET BUF	09/13/24 01:04

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223338-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-223338-1
Project/Site: (ESCP) Elk St Job# 2231211

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223338-1	OWS-2 Effluent	Water	09/11/24 12:45	09/12/24 14:15
480-223338-2	BSA Outfall	Water	09/11/24 12:50	09/12/24 14:15
480-223338-3	Trip Blank	Water	09/11/24 12:30	09/12/24 14:15

Address: _____

Chain of Custody Record 639455

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
Company Name: LaBella	Tel/Email: ajanik@labellapc.com	Lab Contact:	Carrier:	_____ of _____ COCs
Address: 300 Pearl st #RA	Analysis Turnaround Time			Sampler: Carly Repka
City/State/Zip: Buffalo NY, 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 716-551-6281	TAT if different from Below _____			Walk-in Client:
Fax:	☑ 2 weeks			Lab Sampling:
Project Name: ESCP ~~EM Sheet 2241733~~	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1	Sample Specific Notes:
OWS-2 Effluent	9/12/24	12:45	G	H2O	3			X	
BSA Outfall	9/12/24	12:50	G	H2O	3			X	
Trip Blank	9/12/24	12:30		H2O	2			X	

480-223338 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

23.4 #1 no ice

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by: Carly Repka	LaBella	9/12/24 13:45	KS		9-12-24 1415
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

9/16/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-223338-1

Login Number: 223338

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	23.4 #1 no 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	Labella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for October 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	10/11/2024
Flow rate on date sampled:	67.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	86.00	ND (3.60)	ND (3.70)	ND (8.60)	86.00
Effluent Concentration (ug/l):	6.10	ND (2.30)	ND (2.30)	ND (5.40)	6.10
Flow Rate (Gal/min)[1]:	67.00	67.00	67.00	67.00	67.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	92.91%	36.11%	37.84%	37.21%	92.91%
Emission Rate (lb/hr):	0.0027	0.0000	0.0000	0.0001	0.0027
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 10/16/2024 1:02:18 PM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-224289-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

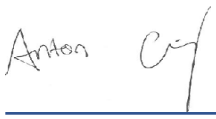
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
10/16/2024 1:02:18 PM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
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Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-224289-1 — Eurofins Buffalo

Job Narrative
480-224289-1

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 10/11/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 7.2°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: OWS-2 Effluent (480-224289-1), BSA Outfall (480-224289-2) and Trip Blank (480-224289-3). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 Effluent (480-224289-1) and BSA Outfall (480-224289-2). 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.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-224289-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 Effluent
Lab Sample ID: 480-224289-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	86		40	4.8	ug/L	8		624.1	Total/NA
Total BTEX	86		80	8.6	ug/L	8		624.1	Total/NA

Client Sample ID: BSA Outfall
Lab Sample ID: 480-224289-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.1	J	25	3.0	ug/L	5		624.1	Total/NA
Total BTEX	6.1	J	50	5.4	ug/L	5		624.1	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 480-224289-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Client Sample ID: OWS-2 Effluent

Date Collected: 10/11/24 09:35
Date Received: 10/11/24 12:30

Lab Sample ID: 480-224289-1

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**86**		40	4.8	ug/L			10/14/24 18:59	8
Ethylbenzene	ND		40	3.7	ug/L			10/14/24 18:59	8
m-Xylene & p-Xylene	ND		80	8.6	ug/L			10/14/24 18:59	8
o-Xylene	ND		40	3.4	ug/L			10/14/24 18:59	8
Toluene	ND		40	3.6	ug/L			10/14/24 18:59	8
Total BTEX	**86**		80	8.6	ug/L			10/14/24 18:59	8
Xylenes, Total	ND		80	8.6	ug/L			10/14/24 18:59	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*10/14/24 18:59*	*8*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*10/14/24 18:59*	*8*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/14/24 18:59*	*8*
Toluene-d8 (Surr)	*99*		*77 - 120*		*10/14/24 18:59*	*8*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Client Sample ID: BSA Outfall

Date Collected: 10/11/24 09:40
Date Received: 10/11/24 12:30

Lab Sample ID: 480-224289-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.1**	**J**	25	3.0	ug/L			10/14/24 19:24	5
Ethylbenzene	ND		25	2.3	ug/L			10/14/24 19:24	5
m-Xylene & p-Xylene	ND		50	5.4	ug/L			10/14/24 19:24	5
o-Xylene	ND		25	2.1	ug/L			10/14/24 19:24	5
Toluene	ND		25	2.3	ug/L			10/14/24 19:24	5
Total BTEX	**6.1**	**J**	50	5.4	ug/L			10/14/24 19:24	5
Xylenes, Total	ND		50	5.4	ug/L			10/14/24 19:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*10/14/24 19:24*	*5*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*10/14/24 19:24*	*5*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/14/24 19:24*	*5*
Toluene-d8 (Surr)	*100*		*77 - 120*		*10/14/24 19:24*	*5*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Client Sample ID: Trip Blank

Date Collected: 10/11/24 09:45
Date Received: 10/11/24 12:30

Lab Sample ID: 480-224289-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			10/14/24 19:48	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/14/24 19:48	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			10/14/24 19:48	1
o-Xylene	ND		5.0	0.43	ug/L			10/14/24 19:48	1
Toluene	ND		5.0	0.45	ug/L			10/14/24 19:48	1
Total BTEX	ND		10	1.1	ug/L			10/14/24 19:48	1
Xylenes, Total	ND		10	1.1	ug/L			10/14/24 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*10/14/24 19:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*10/14/24 19:48*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/14/24 19:48*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*10/14/24 19:48*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-224289-1	OWS-2 Effluent	103	99	100	99
480-224289-2	BSA Outfall	103	98	102	100
480-224289-3	Trip Blank	104	98	97	99
LCS 480-728187/6	Lab Control Sample	100	100	102	99
MB 480-728187/8	Method Blank	104	99	102	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-728187/8
Matrix: Water
Analysis Batch: 728187

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			10/14/24 12:46	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/14/24 12:46	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			10/14/24 12:46	1
o-Xylene	ND		5.0	0.43	ug/L			10/14/24 12:46	1
Toluene	ND		5.0	0.45	ug/L			10/14/24 12:46	1
Total BTEX	ND		10	1.1	ug/L			10/14/24 12:46	1
Xylenes, Total	ND		10	1.1	ug/L			10/14/24 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*10/14/24 12:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*10/14/24 12:46*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/14/24 12:46*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*10/14/24 12:46*	*1*

Lab Sample ID: LCS 480-728187/6
Matrix: Water
Analysis Batch: 728187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.8		ug/L		94	37 - 151		
Ethylbenzene			20.0	19.0		ug/L		95	37 - 162		
m-Xylene & p-Xylene			20.0	19.0		ug/L		95	79 - 120		
o-Xylene			20.0	19.0		ug/L		95	79 - 120		
Toluene			20.0	18.7		ug/L		93	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*99*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

GC/MS VOA

Analysis Batch: 728187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224289-1	OWS-2 Effluent	Total/NA	Water	624.1	
480-224289-2	BSA Outfall	Total/NA	Water	624.1	
480-224289-3	Trip Blank	Total/NA	Water	624.1	
MB 480-728187/8	Method Blank	Total/NA	Water	624.1	
LCS 480-728187/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Client Sample ID: OWS-2 Effluent
Lab Sample ID: 480-224289-1
Date Collected: 10/11/24 09:35
Matrix: Water
Date Received: 10/11/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		8	728187	AXK	EET BUF	10/14/24 18:59

Client Sample ID: BSA Outfall
Lab Sample ID: 480-224289-2
Date Collected: 10/11/24 09:40
Matrix: Water
Date Received: 10/11/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	728187	AXK	EET BUF	10/14/24 19:24

Client Sample ID: Trip Blank
Lab Sample ID: 480-224289-3
Date Collected: 10/11/24 09:45
Matrix: Water
Date Received: 10/11/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	728187	AXK	EET BUF	10/14/24 19:48

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-224289-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-224289-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224289-1	OWS-2 Effluent	Water	10/11/24 09:35	10/11/24 12:30
480-224289-2	BSA Outfall	Water	10/11/24 09:40	10/11/24 12:30
480-224289-3	Trip Blank	Water	10/11/24 09:45	10/11/24 12:30

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 10/11/24	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Chris Finn
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below _____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # ~~2231211~~ 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	BTEX 624.1	Sample Specific Notes:
					2				
OWS-2 Effluent	10/11	9:35	G	W	3			x	
BSA Outfall	10/11	9:40	G	W	3			x	
Trip Blank	10/11	9:45		W	2			x	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assesse

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

480-224289 Chain of Custody

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

7.2 IR #5C ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____	
Relinquished by: Cathy Kepka	Company: LaBella	Date/Time: 10/11/24 12:30	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 10/11/24 1230

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-224289-1

Login Number: 224289
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	7.2 ICE IR# SC
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for November 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	11/12/2024
Flow rate on date sampled:	42.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	46.00	ND (3.60)	ND (3.70)	ND (8.60)	46.00 J
Effluent Concentration (ug/l):	ND (3.00)	ND (2.30)	ND (2.30)	ND (5.40)	ND (5.40)
Flow Rate (Gal/min)[1]:	42.00	42.00	42.00	42.00	42.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	93.48%	36.11%	37.84%	37.21%	88.26%
Emission Rate (lb/hr):	0.0009	0.0000	0.0000	0.0001	0.0009
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 11/15/2024 8:47:35 AM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-225378-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
11/15/2024 8:47:35 AM

Authorized for release by
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Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-225378-1

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 11/12/2024 3:20 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 12.3°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2-EFFLUENT (480-225378-1) and BSA OUTFALL (480-225378-2). 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.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-225378-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2-EFFLUENT — Lab Sample ID: 480-225378-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	46		40	4.8	ug/L	8		624.1	Total/NA
Total BTEX	46	J	80	8.6	ug/L	8		624.1	Total/NA

Client Sample ID: BSA OUTFALL — Lab Sample ID: 480-225378-2

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-225378-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Client Sample ID: OWS-2-EFFLUENT

Date Collected: 11/12/24 14:00
Date Received: 11/12/24 15:20

Lab Sample ID: 480-225378-1

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**46**		40	4.8	ug/L			11/13/24 17:18	8
Ethylbenzene	ND		40	3.7	ug/L			11/13/24 17:18	8
m-Xylene & p-Xylene	ND		80	8.6	ug/L			11/13/24 17:18	8
o-Xylene	ND		40	3.4	ug/L			11/13/24 17:18	8
Toluene	ND		40	3.6	ug/L			11/13/24 17:18	8
Total BTEX	**46**	**J**	80	8.6	ug/L			11/13/24 17:18	8
Xylenes, Total	ND		80	8.6	ug/L			11/13/24 17:18	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 130*		*11/13/24 17:18*	*8*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*11/13/24 17:18*	*8*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*11/13/24 17:18*	*8*
Toluene-d8 (Surr)	*99*		*77 - 120*		*11/13/24 17:18*	*8*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Client Sample ID: BSA OUTFALL

Date Collected: 11/12/24 14:05
Date Received: 11/12/24 15:20

Lab Sample ID: 480-225378-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		25	3.0	ug/L			11/13/24 17:42	5
Ethylbenzene	ND		25	2.3	ug/L			11/13/24 17:42	5
m-Xylene & p-Xylene	ND		50	5.4	ug/L			11/13/24 17:42	5
o-Xylene	ND		25	2.1	ug/L			11/13/24 17:42	5
Toluene	ND		25	2.3	ug/L			11/13/24 17:42	5
Total BTEX	ND		50	5.4	ug/L			11/13/24 17:42	5
Xylenes, Total	ND		50	5.4	ug/L			11/13/24 17:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 130*		*11/13/24 17:42*	*5*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*11/13/24 17:42*	*5*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/13/24 17:42*	*5*
Toluene-d8 (Surr)	*98*		*77 - 120*		*11/13/24 17:42*	*5*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Client Sample ID: TRIP BLANK

Date Collected: 11/12/24 14:10
Date Received: 11/12/24 15:20

Lab Sample ID: 480-225378-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			11/13/24 18:06	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/13/24 18:06	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			11/13/24 18:06	1
o-Xylene	ND		5.0	0.43	ug/L			11/13/24 18:06	1
Toluene	ND		5.0	0.45	ug/L			11/13/24 18:06	1
Total BTEX	ND		10	1.1	ug/L			11/13/24 18:06	1
Xylenes, Total	ND		10	1.1	ug/L			11/13/24 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*11/13/24 18:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*11/13/24 18:06*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*11/13/24 18:06*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*11/13/24 18:06*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-225378-1	OWS-2-EFFLUENT	94	99	100	99
480-225378-2	BSA OUTFALL	97	99	99	98
480-225378-3	TRIP BLANK	95	99	107	99
LCS 480-732253/6	Lab Control Sample	99	100	103	99
MB 480-732253/8	Method Blank	95	99	104	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-732253/8
Matrix: Water
Analysis Batch: 732253

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			11/13/24 12:53	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/13/24 12:53	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			11/13/24 12:53	1
o-Xylene	ND		5.0	0.43	ug/L			11/13/24 12:53	1
Toluene	ND		5.0	0.45	ug/L			11/13/24 12:53	1
Total BTEX	ND		10	1.1	ug/L			11/13/24 12:53	1
Xylenes, Total	ND		10	1.1	ug/L			11/13/24 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*11/13/24 12:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*11/13/24 12:53*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/13/24 12:53*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*11/13/24 12:53*	*1*

Lab Sample ID: LCS 480-732253/6
Matrix: Water
Analysis Batch: 732253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	19.1		ug/L		95	37 - 151		
Ethylbenzene			20.0	19.8		ug/L		99	37 - 162		
m-Xylene & p-Xylene			20.0	20.3		ug/L		102	79 - 120		
o-Xylene			20.0	20.4		ug/L		102	79 - 120		
Toluene			20.0	19.5		ug/L		98	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*99*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

GC/MS VOA

Analysis Batch: 732253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225378-1	OWS-2-EFFLUENT	Total/NA	Water	624.1	
480-225378-2	BSA OUTFALL	Total/NA	Water	624.1	
480-225378-3	TRIP BLANK	Total/NA	Water	624.1	
MB 480-732253/8	Method Blank	Total/NA	Water	624.1	
LCS 480-732253/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Client Sample ID: OWS-2-EFFLUENT
Lab Sample ID: 480-225378-1
Date Collected: 11/12/24 14:00
Matrix: Water
Date Received: 11/12/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		8	732253	AXK	EET BUF	11/13/24 17:18

Client Sample ID: BSA OUTFALL
Lab Sample ID: 480-225378-2
Date Collected: 11/12/24 14:05
Matrix: Water
Date Received: 11/12/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	732253	AXK	EET BUF	11/13/24 17:42

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-225378-3
Date Collected: 11/12/24 14:10
Matrix: Water
Date Received: 11/12/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	732253	AXK	EET BUF	11/13/24 18:06

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-225378-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-225378-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-225378-1	OWS-2-EFFLUENT	Water	11/12/24 14:00	11/12/24 15:20
480-225378-2	BSA OUTFALL	Water	11/12/24 14:05	11/12/24 15:20
480-225378-3	TRIP BLANK	Water	11/12/24 14:10	11/12/24 15:20

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 8/8/2024	COC No: 1
LaBella	Tel.716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	Analysis Turnaround Time			Sampler: Carly Repka
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
716-551-6281	TAT if different from Below			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	~~8/8/24~~ 11/12/24	~~0920~~ 14:00	G	W	3			x	
BSA Outfall	~~8/8/24~~ 11/12/24	~~0925~~ 14:05	G	W	3			x	
Trip Blank	~~8/8/24~~ 11/12/24	~~0915~~ 14:10		W	2			x	

480-225378 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Flammabl ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

12.3 I12 #SC NO J/R

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: Carly Repka	Company: LaBella	Date/Time: ~~8/8/24~~ 11/12/24 15:20	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 11/12/24 15:20

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

11/15/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-225378-1

Login Number: 225378
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for December 2024
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	12/12/2024
Flow rate on date sampled:	41.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	48.00	ND (3.60)	ND (3.70)	ND (8.6)	48 J
Effluent Concentration (ug/l):	ND (3.00)	ND (2.30)	ND (2.30)	ND (5.4)	ND (5.4)
Flow Rate (Gal/min)[1]:	41.00	41.00	41.00	41.00	41.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	93.75%	36.11%	37.84%	37.21%	88.75%
Emission Rate (lb/hr):	0.0009	0.0000	0.0000	0.0001	0.0009
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 12/16/2024 10:58:47 PM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-226262-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

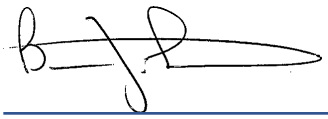
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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12/16/2024 10:58:47 PM

Authorized for release by
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-226262-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-226262-1

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 12/12/2024 1:30 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 13.0°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 Effluent (480-226262-1) and BSA Outfall (480-226262-2). 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.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-226262-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 Effluent
Lab Sample ID: 480-226262-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	48		40	4.8	ug/L	8		624.1	Total/NA
Total BTEX	48	J	80	8.6	ug/L	8		624.1	Total/NA

Client Sample ID: BSA Outfall
Lab Sample ID: 480-226262-2

No Detections.

Client Sample ID: Trip Blank
Lab Sample ID: 480-226262-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226262-1

Client Sample ID: OWS-2 Effluent
Date Collected: 12/12/24 12:15
Date Received: 12/12/24 13:30

Lab Sample ID: 480-226262-1
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**48**		40	4.8	ug/L			12/13/24 17:28	8
Ethylbenzene	ND		40	3.7	ug/L			12/13/24 17:28	8
m-Xylene & p-Xylene	ND		80	8.6	ug/L			12/13/24 17:28	8
o-Xylene	ND		40	3.4	ug/L			12/13/24 17:28	8
Toluene	ND		40	3.6	ug/L			12/13/24 17:28	8
Total BTEX	**48**	**J**	80	8.6	ug/L			12/13/24 17:28	8
Xylenes, Total	ND		80	8.6	ug/L			12/13/24 17:28	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*12/13/24 17:28*	*8*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*12/13/24 17:28*	*8*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/13/24 17:28*	*8*
Toluene-d8 (Surr)	*99*		*77 - 120*		*12/13/24 17:28*	*8*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226262-1

Client Sample ID: BSA Outfall
Date Collected: 12/12/24 12:20
Date Received: 12/12/24 13:30

Lab Sample ID: 480-226262-2
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		25	3.0	ug/L			12/13/24 17:51	5
Ethylbenzene	ND		25	2.3	ug/L			12/13/24 17:51	5
m-Xylene & p-Xylene	ND		50	5.4	ug/L			12/13/24 17:51	5
o-Xylene	ND		25	2.1	ug/L			12/13/24 17:51	5
Toluene	ND		25	2.3	ug/L			12/13/24 17:51	5
Total BTEX	ND		50	5.4	ug/L			12/13/24 17:51	5
Xylenes, Total	ND		50	5.4	ug/L			12/13/24 17:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*12/13/24 17:51*	*5*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*12/13/24 17:51*	*5*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/13/24 17:51*	*5*
Toluene-d8 (Surr)	*100*		*77 - 120*		*12/13/24 17:51*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226262-1

Client Sample ID: Trip Blank
Date Collected: 12/12/24 12:30
Date Received: 12/12/24 13:30

Lab Sample ID: 480-226262-3
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			12/13/24 18:16	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/13/24 18:16	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			12/13/24 18:16	1
o-Xylene	ND		5.0	0.43	ug/L			12/13/24 18:16	1
Toluene	ND		5.0	0.45	ug/L			12/13/24 18:16	1
Total BTEX	ND		10	1.1	ug/L			12/13/24 18:16	1
Xylenes, Total	ND		10	1.1	ug/L			12/13/24 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*12/13/24 18:16*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*12/13/24 18:16*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/13/24 18:16*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*12/13/24 18:16*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226262-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-226262-1	OWS-2 Effluent	107	102	105	99
480-226262-2	BSA Outfall	107	102	103	100
480-226262-3	Trip Blank	108	103	101	100
LCS 480-735253/6	Lab Control Sample	110	102	101	99
MB 480-735253/8	Method Blank	108	103	103	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226262-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-735253/8
Matrix: Water
Analysis Batch: 735253

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			12/13/24 15:04	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/13/24 15:04	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			12/13/24 15:04	1
o-Xylene	ND		5.0	0.43	ug/L			12/13/24 15:04	1
Toluene	ND		5.0	0.45	ug/L			12/13/24 15:04	1
Total BTEX	ND		10	1.1	ug/L			12/13/24 15:04	1
Xylenes, Total	ND		10	1.1	ug/L			12/13/24 15:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*12/13/24 15:04*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*12/13/24 15:04*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/13/24 15:04*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*12/13/24 15:04*	*1*

Lab Sample ID: LCS 480-735253/6
Matrix: Water
Analysis Batch: 735253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	19.9		ug/L		100	37 - 151		
Ethylbenzene			20.0	20.2		ug/L		101	37 - 162		
m-Xylene & p-Xylene			20.0	19.7		ug/L		99	79 - 120		
o-Xylene			20.0	19.4		ug/L		97	79 - 120		
Toluene			20.0	20.0		ug/L		100	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 130*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*99*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Job ID: 480-226262-1
Project/Site: (ESCP) Elk St Job# 2231211

GC/MS VOA

Analysis Batch: 735253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226262-1	OWS-2 Effluent	Total/NA	Water	624.1	
480-226262-2	BSA Outfall	Total/NA	Water	624.1	
480-226262-3	Trip Blank	Total/NA	Water	624.1	
MB 480-735253/8	Method Blank	Total/NA	Water	624.1	
LCS 480-735253/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-226262-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 Effluent
Lab Sample ID: 480-226262-1

Date Collected: 12/12/24 12:15
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		8	735253	AXK	EET BUF	12/13/24 17:28

Client Sample ID: BSA Outfall
Lab Sample ID: 480-226262-2

Date Collected: 12/12/24 12:20
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	735253	AXK	EET BUF	12/13/24 17:51

Client Sample ID: Trip Blank
Lab Sample ID: 480-226262-3

Date Collected: 12/12/24 12:30
Matrix: Water
Date Received: 12/12/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	735253	AXK	EET BUF	12/13/24 18:16

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-226262-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226262-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-226262-1
Project/Site: (ESCP) Elk St Job# 2231211

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226262-1	OWS-2 Effluent	Water	12/12/24 12:15	12/12/24 13:30
480-226262-2	BSA Outfall	Water	12/12/24 12:20	12/12/24 13:30
480-226262-3	Trip Blank	Water	12/12/24 12:30	12/12/24 13:30

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Chris Finn
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below ____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # ~~2231211~~ 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1
								2
OWS-2 Effluent	12/12/24	12:45	G	W	3			x
BSA Outfall	12/12/24	12:20	G	W	3			x
Trip Blank	12/12/24	12:30		W	2			x

Sample Specific Notes:

480-226262 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

13 of FREE NO ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by: Carly Kuhlman	Company:	Date/Time: 12/12/24 13:30	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 12/12/24 1330

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-226262-1

Login Number: 226262

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

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	13.0 ICE IR# SC
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for January 2025
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	1/2/2025
Flow rate on date sampled:	44.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	70.00	ND (3.60)	ND (3.70)	ND (8.6)	70.00 J
Effluent Concentration (ug/l):	6.50 J	ND (2.30)	ND (2.30)	ND (5.4)	6.50 J
Flow Rate (Gal/min)[1]:	44.00	44.00	44.00	44.00	44.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	90.71%	36.11%	37.84%	37.21%	90.71%
Emission Rate (lb/hr):	0.0014	0.0000	0.0000	0.0001	0.0014
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 1/7/2025 11:07:11 AM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-226586-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

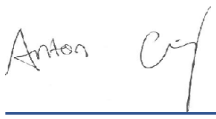
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Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
Anton Gruning, Project Management Assistant I
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Designee for
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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-226586-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-226586-1 Eurofins Buffalo

Job Narrative
480-226586-1

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 1/2/2025 12:40 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 13.8°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2-EFFLUENT (480-226586-1) and BSA OUTFALL (480-226586-2). 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.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-226586-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2-EFFLUENT — Lab Sample ID: 480-226586-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	70		40	4.8	ug/L	8		624.1	Total/NA
Total BTEX	70	J	80	8.6	ug/L	8		624.1	Total/NA

Client Sample ID: BSA OUTFALL — Lab Sample ID: 480-226586-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.5	J	25	3.0	ug/L	5		624.1	Total/NA
Total BTEX	6.5	J	50	5.4	ug/L	5		624.1	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-226586-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226586-1

Client Sample ID: OWS-2-EFFLUENT

Date Collected: 01/02/25 11:55
Date Received: 01/02/25 12:40

Lab Sample ID: 480-226586-1

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**70**		40	4.8	ug/L			01/03/25 14:16	8
Ethylbenzene	ND		40	3.7	ug/L			01/03/25 14:16	8
m-Xylene & p-Xylene	ND		80	8.6	ug/L			01/03/25 14:16	8
o-Xylene	ND		40	3.4	ug/L			01/03/25 14:16	8
Toluene	ND		40	3.6	ug/L			01/03/25 14:16	8
Total BTEX	**70**	**J**	80	8.6	ug/L			01/03/25 14:16	8
Xylenes, Total	ND		80	8.6	ug/L			01/03/25 14:16	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*01/03/25 14:16*	*8*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*01/03/25 14:16*	*8*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/03/25 14:16*	*8*
Toluene-d8 (Surr)	*98*		*77 - 120*		*01/03/25 14:16*	*8*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226586-1

Client Sample ID: BSA OUTFALL

Date Collected: 01/02/25 12:00
Date Received: 01/02/25 12:40

Lab Sample ID: 480-226586-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.5**	**J**	25	3.0	ug/L			01/03/25 14:40	5
Ethylbenzene	ND		25	2.3	ug/L			01/03/25 14:40	5
m-Xylene & p-Xylene	ND		50	5.4	ug/L			01/03/25 14:40	5
o-Xylene	ND		25	2.1	ug/L			01/03/25 14:40	5
Toluene	ND		25	2.3	ug/L			01/03/25 14:40	5
Total BTEX	**6.5**	**J**	50	5.4	ug/L			01/03/25 14:40	5
Xylenes, Total	ND		50	5.4	ug/L			01/03/25 14:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*01/03/25 14:40*	*5*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*01/03/25 14:40*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*01/03/25 14:40*	*5*
Toluene-d8 (Surr)	*100*		*77 - 120*		*01/03/25 14:40*	*5*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226586-1

Client Sample ID: TRIP BLANK

Date Collected: 01/02/25 12:05
Date Received: 01/02/25 12:40

Lab Sample ID: 480-226586-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			01/03/25 15:05	1
Ethylbenzene	ND		5.0	0.46	ug/L			01/03/25 15:05	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			01/03/25 15:05	1
o-Xylene	ND		5.0	0.43	ug/L			01/03/25 15:05	1
Toluene	ND		5.0	0.45	ug/L			01/03/25 15:05	1
Total BTEX	ND		10	1.1	ug/L			01/03/25 15:05	1
Xylenes, Total	ND		10	1.1	ug/L			01/03/25 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*01/03/25 15:05*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*01/03/25 15:05*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*01/03/25 15:05*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*01/03/25 15:05*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226586-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-226586-1	OWS-2-EFFLUENT	106	102	103	98
480-226586-2	BSA OUTFALL	106	101	106	100
480-226586-3	TRIP BLANK	103	101	97	97
LCS 480-736491/6	Lab Control Sample	99	101	97	97
MB 480-736491/8	Method Blank	101	101	100	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-736491/8
Matrix: Water
Analysis Batch: 736491

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			01/03/25 13:28	1
Ethylbenzene	ND		5.0	0.46	ug/L			01/03/25 13:28	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			01/03/25 13:28	1
o-Xylene	ND		5.0	0.43	ug/L			01/03/25 13:28	1
Toluene	ND		5.0	0.45	ug/L			01/03/25 13:28	1
Total BTEX	ND		10	1.1	ug/L			01/03/25 13:28	1
Xylenes, Total	ND		10	1.1	ug/L			01/03/25 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*01/03/25 13:28*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*01/03/25 13:28*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*01/03/25 13:28*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*01/03/25 13:28*	*1*

Lab Sample ID: LCS 480-736491/6
Matrix: Water
Analysis Batch: 736491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	16.4		ug/L		82	37 - 151		
Ethylbenzene			20.0	16.6		ug/L		83	37 - 162		
m-Xylene & p-Xylene			20.0	16.5		ug/L		83	79 - 120		
o-Xylene			20.0	15.9		ug/L		80	79 - 120		
Toluene			20.0	16.4		ug/L		82	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*
Dibromofluoromethane (Surr)	*97*		*75 - 123*
Toluene-d8 (Surr)	*97*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226586-1

GC/MS VOA

Analysis Batch: 736491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226586-1	OWS-2-EFFLUENT	Total/NA	Water	624.1	
480-226586-2	BSA OUTFALL	Total/NA	Water	624.1	
480-226586-3	TRIP BLANK	Total/NA	Water	624.1	
MB 480-736491/8	Method Blank	Total/NA	Water	624.1	
LCS 480-736491/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-226586-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2-EFFLUENT
Lab Sample ID: 480-226586-1
Date Collected: 01/02/25 11:55
Matrix: Water
Date Received: 01/02/25 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		8	736491	ZN	EET BUF	01/03/25 14:16

Client Sample ID: BSA OUTFALL
Lab Sample ID: 480-226586-2
Date Collected: 01/02/25 12:00
Matrix: Water
Date Received: 01/02/25 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	736491	ZN	EET BUF	01/03/25 14:40

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-226586-3
Date Collected: 01/02/25 12:05
Matrix: Water
Date Received: 01/02/25 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	736491	ZN	EET BUF	01/03/25 15:05

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-226586-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226586-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-226586-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226586-1	OWS-2-EFFLUENT	Water	01/02/25 11:55	01/02/25 12:40
480-226586-2	BSA OUTFALL	Water	01/02/25 12:00	01/02/25 12:40
480-226586-3	TRIP BLANK	Water	01/02/25 12:05	01/02/25 12:40

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
LaBella	Tel: 716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Chris Finn
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # ~~2231271~~ 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	11/21/25	11:55	G	W	3			x	
BSA Outfall	11/21/25	12:00	G	W	3			x	
Trip Blank	11/21/25	12:05		W	2			x	

480-226586 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

13.8 IR#51 NO ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: Cody Repka	Company: LaBella	Date/Time: 11/21/25 12:40	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by Laboratory by:	Company: TA	Date/Time: 01/02/25 1240

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-226586-1

Login Number: 226586
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for February 2025
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	2/13/2025
Flow rate on date sampled:	24.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	70.00	ND (3.60)	ND (3.70)	ND (8.60)	70.00 J
Effluent Concentration (ug/l):	3.5 J	ND (2.30)	ND (2.30)	ND (5.40)	3.5 J
Flow Rate (Gal/min)[1]:	24.00	24.00	24.00	24.00	24.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	95.00%	36.11%	37.84%	37.21%	95.00%
Emission Rate (lb/hr):	0.0008	0.0000	0.0000	0.0000	0.0008
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 2/19/2025 10:08:12 AM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-227358-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

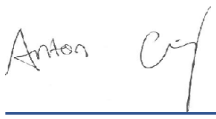
Eurofins Buffalo

Job Notes

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Authorization



Generated
2/19/2025 10:08:12 AM

Authorized for release by
Anton Gruning, Project Management Assistant I
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Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-227358-1
Project/Site: (ESCP) Elk St Job# 2231211

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-227358-1

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 2/13/2025 2:25 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 17.8°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 Effluent (480-227358-1) and BSA Outfall (480-227358-2). 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.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-227358-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: OWS-2 Effluent — Lab Sample ID: 480-227358-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	70		40	4.8	ug/L	8		624.1	Total/NA
Total BTEX	70	J	80	8.6	ug/L	8		624.1	Total/NA

Client Sample ID: BSA Outfall — Lab Sample ID: 480-227358-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.5	J	25	3.0	ug/L	5		624.1	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-227358-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

Client Sample ID: OWS-2 Effluent

Lab Sample ID: 480-227358-1

Date Collected: 02/13/25 13:05
Matrix: Water
Date Received: 02/13/25 14:25

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**70**		40	4.8	ug/L			02/14/25 15:40	8
Ethylbenzene	ND		40	3.7	ug/L			02/14/25 15:40	8
m-Xylene & p-Xylene	ND		80	8.6	ug/L			02/14/25 15:40	8
o-Xylene	ND		40	3.4	ug/L			02/14/25 15:40	8
Toluene	ND		40	3.6	ug/L			02/14/25 15:40	8
Total BTEX	**70**	**J**	80	8.6	ug/L			02/14/25 15:40	8
Xylenes, Total	ND		80	8.6	ug/L			02/14/25 15:40	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*68 - 130*		*02/14/25 15:40*	*8*
4-Bromofluorobenzene (Surr)	*104*		*76 - 123*		*02/14/25 15:40*	*8*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/14/25 15:40*	*8*
Toluene-d8 (Surr)	*100*		*77 - 120*		*02/14/25 15:40*	*8*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

Client Sample ID: BSA Outfall

Date Collected: 02/13/25 13:00
Date Received: 02/13/25 14:25

Lab Sample ID: 480-227358-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.5**	**J**	25	3.0	ug/L			02/14/25 16:05	5
Ethylbenzene	ND		25	2.3	ug/L			02/14/25 16:05	5
m-Xylene & p-Xylene	ND		50	5.4	ug/L			02/14/25 16:05	5
o-Xylene	ND		25	2.1	ug/L			02/14/25 16:05	5
Toluene	ND		25	2.3	ug/L			02/14/25 16:05	5
Total BTEX	ND		50	5.4	ug/L			02/14/25 16:05	5
Xylenes, Total	ND		50	5.4	ug/L			02/14/25 16:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 130*		*02/14/25 16:05*	*5*
4-Bromofluorobenzene (Surr)	*106*		*76 - 123*		*02/14/25 16:05*	*5*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/14/25 16:05*	*5*
Toluene-d8 (Surr)	*99*		*77 - 120*		*02/14/25 16:05*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

Client Sample ID: Trip Blank

Date Collected: 02/13/25 13:10
Date Received: 02/13/25 14:25

Lab Sample ID: 480-227358-3

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			02/14/25 16:29	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/14/25 16:29	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			02/14/25 16:29	1
o-Xylene	ND		5.0	0.43	ug/L			02/14/25 16:29	1
Toluene	ND		5.0	0.45	ug/L			02/14/25 16:29	1
Total BTEX	ND		10	1.1	ug/L			02/14/25 16:29	1
Xylenes, Total	ND		10	1.1	ug/L			02/14/25 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*02/14/25 16:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*02/14/25 16:29*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/14/25 16:29*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*02/14/25 16:29*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-227358-1	OWS-2 Effluent	115	104	104	100
480-227358-2	BSA Outfall	113	106	104	99
480-227358-3	Trip Blank	105	103	104	100
LCS 480-739021/6	Lab Control Sample	108	103	105	102
MB 480-739021/8	Method Blank	115	102	109	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-739021/8
Matrix: Water
Analysis Batch: 739021

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			02/14/25 14:52	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/14/25 14:52	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			02/14/25 14:52	1
o-Xylene	ND		5.0	0.43	ug/L			02/14/25 14:52	1
Toluene	ND		5.0	0.45	ug/L			02/14/25 14:52	1
Total BTEX	ND		10	1.1	ug/L			02/14/25 14:52	1
Xylenes, Total	ND		10	1.1	ug/L			02/14/25 14:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*68 - 130*		*02/14/25 14:52*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*02/14/25 14:52*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*02/14/25 14:52*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*02/14/25 14:52*	*1*

Lab Sample ID: LCS 480-739021/6
Matrix: Water
Analysis Batch: 739021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.1		ug/L		90	37 - 151		
Ethylbenzene			20.0	18.2		ug/L		91	37 - 162		
m-Xylene & p-Xylene			20.0	18.0		ug/L		90	79 - 120		
o-Xylene			20.0	17.4		ug/L		87	79 - 120		
Toluene			20.0	17.7		ug/L		88	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*102*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

GC/MS VOA

Analysis Batch: 739021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227358-1	OWS-2 Effluent	Total/NA	Water	624.1	
480-227358-2	BSA Outfall	Total/NA	Water	624.1	
480-227358-3	Trip Blank	Total/NA	Water	624.1	
MB 480-739021/8	Method Blank	Total/NA	Water	624.1	
LCS 480-739021/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

Client Sample ID: OWS-2 Effluent

Lab Sample ID: 480-227358-1

Date Collected: 02/13/25 13:05

Matrix: Water

Date Received: 02/13/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		8	739021	AXK	EET BUF	02/14/25 15:40

Client Sample ID: BSA Outfall

Lab Sample ID: 480-227358-2

Date Collected: 02/13/25 13:00

Matrix: Water

Date Received: 02/13/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	739021	AXK	EET BUF	02/14/25 16:05

Client Sample ID: Trip Blank

Lab Sample ID: 480-227358-3

Date Collected: 02/13/25 13:10

Matrix: Water

Date Received: 02/13/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	739021	AXK	EET BUF	02/14/25 16:29

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-227358-1
Project/Site: (ESCP) Elk St Job# 2231211

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-227358-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-227358-1	OWS-2 Effluent	Water	02/13/25 13:05	02/13/25 14:25
480-227358-2	BSA Outfall	Water	02/13/25 13:00	02/13/25 14:25
480-227358-3	Trip Blank	Water	02/13/25 13:10	02/13/25 14:25

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
LaBella	Tel: 716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Chris Finn
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below ____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # ~~220121T~~ 2251277	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	2/13/25	13:05	G	W	3			x	
BSA Outfall	2/13/25	13:00	G	W	3			x	
Trip Blank	2/13/25	13:10		W	2			x	

480-227358 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

17.8 IR#5C no ice

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

	Company	Date/Time		Company	Date/Time
Relinquished by: Cathy Bepka	LaBella	2/13/25 14:25	Received by: E Walker	TAB	2/13/25 1475
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

2/19/2025

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-227358-1

Login Number: 227358
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	17.8 IR#SC no 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	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for March 2025
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	3/5/2025
Flow rate on date sampled:	59.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	60.00	ND (3.60)	ND (3.70)	ND (8.60)	60.00 J
Effluent Concentration (ug/l):	ND (3.00)	ND (2.30)	ND (2.30)	ND (5.40)	ND (5.40)
Flow Rate (Gal/min)[1]:	59.00	59.00	59.00	59.00	59.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	95.00%	36.11%	37.84%	37.21%	91.00%
Emission Rate (lb/hr):	0.0017	0.0000	0.0000	0.0001	0.0016
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 3/10/2025 10:56:44 AM

JOB DESCRIPTION

(ESCP) Elk St

JOB NUMBER

480-227679-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

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Authorization



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3/10/2025 10:56:44 AM

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Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-227679-1 — Eurofins Buffalo

Job Narrative
480-227679-1

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 3/5/2025 1:50 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 4.5°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 EFFLUENT (480-227679-1) and BSA OUTFALL (480-227679-2). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Client Sample ID: OWS-2 EFFLUENT — Lab Sample ID: 480-227679-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	60		40	4.8	ug/L	8		624.1	Total/NA
Total BTEX	60	J	80	8.6	ug/L	8		624.1	Total/NA

Client Sample ID: BSA OUTFALL — Lab Sample ID: 480-227679-2

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-227679-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Client Sample ID: OWS-2 EFFLUENT

Lab Sample ID: 480-227679-1

Date Collected: 03/05/25 11:35
Matrix: Water
Date Received: 03/05/25 13:50

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**60**		40	4.8	ug/L			03/05/25 19:47	8
Ethylbenzene	ND		40	3.7	ug/L			03/05/25 19:47	8
m-Xylene & p-Xylene	ND		80	8.6	ug/L			03/05/25 19:47	8
o-Xylene	ND		40	3.4	ug/L			03/05/25 19:47	8
Toluene	ND		40	3.6	ug/L			03/05/25 19:47	8
Total BTEX	**60**	**J**	80	8.6	ug/L			03/05/25 19:47	8
Xylenes, Total	ND		80	8.6	ug/L			03/05/25 19:47	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*		*03/05/25 19:47*	*8*
4-Bromofluorobenzene (Surr)	*104*		*76 - 123*		*03/05/25 19:47*	*8*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/05/25 19:47*	*8*
Toluene-d8 (Surr)	*102*		*77 - 120*		*03/05/25 19:47*	*8*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Client Sample ID: BSA OUTFALL
Date Collected: 03/05/25 11:40
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227679-2
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		25	3.0	ug/L			03/05/25 20:12	5
Ethylbenzene	ND		25	2.3	ug/L			03/05/25 20:12	5
m-Xylene & p-Xylene	ND		50	5.4	ug/L			03/05/25 20:12	5
o-Xylene	ND		25	2.1	ug/L			03/05/25 20:12	5
Toluene	ND		25	2.3	ug/L			03/05/25 20:12	5
Total BTEX	ND		50	5.4	ug/L			03/05/25 20:12	5
Xylenes, Total	ND		50	5.4	ug/L			03/05/25 20:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 130*		*03/05/25 20:12*	*5*
4-Bromofluorobenzene (Surr)	*108*		*76 - 123*		*03/05/25 20:12*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*03/05/25 20:12*	*5*
Toluene-d8 (Surr)	*104*		*77 - 120*		*03/05/25 20:12*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Client Sample ID: TRIP BLANK
Date Collected: 03/05/25 11:30
Date Received: 03/05/25 13:50

Lab Sample ID: 480-227679-3
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			03/05/25 20:35	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/05/25 20:35	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			03/05/25 20:35	1
o-Xylene	ND		5.0	0.43	ug/L			03/05/25 20:35	1
Toluene	ND		5.0	0.45	ug/L			03/05/25 20:35	1
Total BTEX	ND		10	1.1	ug/L			03/05/25 20:35	1
Xylenes, Total	ND		10	1.1	ug/L			03/05/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*		*03/05/25 20:35*	*1*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*		*03/05/25 20:35*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/05/25 20:35*	*1*
Toluene-d8 (Surr)	*104*		*77 - 120*		*03/05/25 20:35*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-227679-1	OWS-2 EFFLUENT	111	104	102	102
480-227679-2	BSA OUTFALL	112	108	106	104
480-227679-3	TRIP BLANK	111	105	103	104
LCS 480-740121/6	Lab Control Sample	101	105	103	105
MB 480-740121/8	Method Blank	109	107	102	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-740121/8
Matrix: Water
Analysis Batch: 740121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			03/05/25 14:32	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/05/25 14:32	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			03/05/25 14:32	1
o-Xylene	ND		5.0	0.43	ug/L			03/05/25 14:32	1
Toluene	ND		5.0	0.45	ug/L			03/05/25 14:32	1
Total BTEX	ND		10	1.1	ug/L			03/05/25 14:32	1
Xylenes, Total	ND		10	1.1	ug/L			03/05/25 14:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*03/05/25 14:32*	*1*
4-Bromofluorobenzene (Surr)	*107*		*76 - 123*		*03/05/25 14:32*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/05/25 14:32*	*1*
Toluene-d8 (Surr)	*103*		*77 - 120*		*03/05/25 14:32*	*1*

Lab Sample ID: LCS 480-740121/6
Matrix: Water
Analysis Batch: 740121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.4		ug/L		92	37 - 151		
Ethylbenzene			20.0	19.1		ug/L		96	37 - 162		
m-Xylene & p-Xylene			20.0	18.8		ug/L		94	79 - 120		
o-Xylene			20.0	18.5		ug/L		92	79 - 120		
Toluene			20.0	18.6		ug/L		93	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*105*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

GC/MS VOA

Analysis Batch: 740121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227679-1	OWS-2 EFFLUENT	Total/NA	Water	624.1	
480-227679-2	BSA OUTFALL	Total/NA	Water	624.1	
480-227679-3	TRIP BLANK	Total/NA	Water	624.1	
MB 480-740121/8	Method Blank	Total/NA	Water	624.1	
LCS 480-740121/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Client Sample ID: OWS-2 EFFLUENT
Lab Sample ID: 480-227679-1
Date Collected: 03/05/25 11:35
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		8	740121	AXK	EET BUF	03/05/25 19:47

Client Sample ID: BSA OUTFALL
Lab Sample ID: 480-227679-2
Date Collected: 03/05/25 11:40
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	740121	AXK	EET BUF	03/05/25 20:12

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-227679-3
Date Collected: 03/05/25 11:30
Matrix: Water
Date Received: 03/05/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	740121	AXK	EET BUF	03/05/25 20:35

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-227679-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-227679-1	OWS-2 EFFLUENT	Water	03/05/25 11:35	03/05/25 13:50
480-227679-2	BSA OUTFALL	Water	03/05/25 11:40	03/05/25 13:50
480-227679-3	TRIP BLANK	Water	03/05/25 11:30	03/05/25 13:50

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date:	COC No:
LaBella	Tel: 716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: ~~Chris Finn~~ Carly Rupka
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below ____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O # ~~2201211~~ 2251277	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	3/5/25	11:35	G	W	3			x	
BSA Outfall	3/5/25	11:40	G	W	3			x	
Trip Blank	3/5/25	11:30		W	2			x	

480-227679 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

4.5 ICE IR#5C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by: Carly Rupka	Company: LaBella	Date/Time: 3/5/25 1350	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAL	Date/Time: 3/5/25 1350

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

3/10/2025

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-227679-1

Login Number: 227679
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Air Emissions Compliance Monitoring for April 2025
Elk Street Commerce Park, Buffalo, New York

Monitoring Location:	Groundwater Treatment System
Emission Source:	Air Sparge Tank (3 in parallel)
Permit Type:	Air Facility Registration
Facility ID:	9-1402-00977
Permit Expiration Date:	Rescinded 11/29/21
Date Sampled:	4/15/2025
Flow rate on date sampled:	62.00 gpm (average flow for date sampled)

SPARGE TANK EMISSIONS

WATER	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX
Influent Concentration (ug/l):	64.00	ND (3.60)	ND (3.70)	ND (8.60)	64.00 J
Effluent Concentration (ug/l):	6.90 J	ND (2.30)	ND (2.30)	ND (5.40)	6.90 J
Flow Rate (Gal/min)[1]:	62.00	62.00	62.00	62.00	62.00
AIR	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**Total BTEX**
Air Sparging Tank Efficiency[2]:	89.22%	36.11%	37.84%	37.21%	89.22%
Emission Rate (lb/hr):	0.0018	0.0000	0.0000	0.0001	0.0018
Discharge Limits (lb/hr):	<0.011	0.2 [3]	0.3 [3]	1.6 [3]	<0.5

Notes:

[1] Flow rate based on average flow through the system on the date sampled.

[2] Air Stripper Emission Rate = (Avg. influent conc. - Avg. effluent conc.) x (flow rate)(conversion factor)

If analytes are ND, then the detection limits are used to calculate emission rates.

If effluent conc. is higher than influent conc., effluent conc. is used to calculate emission rates.

Conversion Factor = (1 L/.2642 gal)(1 g/1000000 ug)(1 LB/454 g)(60 min/hr) = 5.002E-07

[3] The discharge limits shown are for comparison purposes only.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 4/17/2025 11:53:17 PM

JOB DESCRIPTION

(ESCP) Elk St

JOB NUMBER

480-228715-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

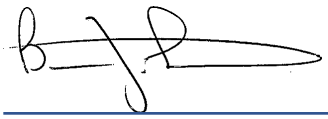
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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4/17/2025 11:53:17 PM

Authorized for release by
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-228715-1

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 4/15/2025 2:55 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 12.6°C.

GC/MS VOA
Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OWS-2 Effluent (480-228715-1) and BSA Outfall (480-228715-2). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Client Sample ID: OWS-2 Effluent — Lab Sample ID: 480-228715-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	64		40	4.8	ug/L	8		624.1	Total/NA
Total BTEX	64	J	80	8.6	ug/L	8		624.1	Total/NA

Client Sample ID: BSA Outfall — Lab Sample ID: 480-228715-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.9	J	25	3.0	ug/L	5		624.1	Total/NA
Total BTEX	6.9	J	50	5.4	ug/L	5		624.1	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-228715-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Client Sample ID: OWS-2 Effluent
Date Collected: 04/15/25 14:15
Date Received: 04/15/25 14:55

Lab Sample ID: 480-228715-1
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**64**		40	4.8	ug/L			04/16/25 21:15	8
Ethylbenzene	ND		40	3.7	ug/L			04/16/25 21:15	8
m-Xylene & p-Xylene	ND		80	8.6	ug/L			04/16/25 21:15	8
o-Xylene	ND		40	3.4	ug/L			04/16/25 21:15	8
Toluene	ND		40	3.6	ug/L			04/16/25 21:15	8
Total BTEX	**64**	**J**	80	8.6	ug/L			04/16/25 21:15	8
Xylenes, Total	ND		80	8.6	ug/L			04/16/25 21:15	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 130*		*04/16/25 21:15*	*8*
4-Bromofluorobenzene (Surr)	*107*		*76 - 123*		*04/16/25 21:15*	*8*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*04/16/25 21:15*	*8*
Toluene-d8 (Surr)	*109*		*77 - 120*		*04/16/25 21:15*	*8*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Client Sample ID: BSA Outfall

Date Collected: 04/15/25 14:30
Date Received: 04/15/25 14:55

Lab Sample ID: 480-228715-2

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.9**	**J**	25	3.0	ug/L			04/16/25 21:39	5
Ethylbenzene	ND		25	2.3	ug/L			04/16/25 21:39	5
m-Xylene & p-Xylene	ND		50	5.4	ug/L			04/16/25 21:39	5
o-Xylene	ND		25	2.1	ug/L			04/16/25 21:39	5
Toluene	ND		25	2.3	ug/L			04/16/25 21:39	5
Total BTEX	**6.9**	**J**	50	5.4	ug/L			04/16/25 21:39	5
Xylenes, Total	ND		50	5.4	ug/L			04/16/25 21:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*68 - 130*		*04/16/25 21:39*	*5*
4-Bromofluorobenzene (Surr)	*110*		*76 - 123*		*04/16/25 21:39*	*5*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*04/16/25 21:39*	*5*
Toluene-d8 (Surr)	*111*		*77 - 120*		*04/16/25 21:39*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Client Sample ID: Trip Blank
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 14:55

Lab Sample ID: 480-228715-3
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			04/16/25 22:03	1
Ethylbenzene	ND		5.0	0.46	ug/L			04/16/25 22:03	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			04/16/25 22:03	1
o-Xylene	ND		5.0	0.43	ug/L			04/16/25 22:03	1
Toluene	ND		5.0	0.45	ug/L			04/16/25 22:03	1
Total BTEX	ND		10	1.1	ug/L			04/16/25 22:03	1
Xylenes, Total	ND		10	1.1	ug/L			04/16/25 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 130*		*04/16/25 22:03*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 123*		*04/16/25 22:03*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*04/16/25 22:03*	*1*
Toluene-d8 (Surr)	*110*		*77 - 120*		*04/16/25 22:03*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-228715-1	OWS-2 Effluent	110	107	106	109
480-228715-2	BSA Outfall	115	110	109	111
480-228715-3	Trip Blank	112	109	106	110
LCS 480-743746/6	Lab Control Sample	104	105	101	104
MB 480-743746/8	Method Blank	111	105	102	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-743746/8
Matrix: Water
Analysis Batch: 743746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			04/16/25 17:13	1
Ethylbenzene	ND		5.0	0.46	ug/L			04/16/25 17:13	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			04/16/25 17:13	1
o-Xylene	ND		5.0	0.43	ug/L			04/16/25 17:13	1
Toluene	ND		5.0	0.45	ug/L			04/16/25 17:13	1
Total BTEX	ND		10	1.1	ug/L			04/16/25 17:13	1
Xylenes, Total	ND		10	1.1	ug/L			04/16/25 17:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*		*04/16/25 17:13*	*1*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*		*04/16/25 17:13*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/16/25 17:13*	*1*
Toluene-d8 (Surr)	*105*		*77 - 120*		*04/16/25 17:13*	*1*

Lab Sample ID: LCS 480-743746/6
Matrix: Water
Analysis Batch: 743746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.4		ug/L		102	37 - 151		
Ethylbenzene			20.0	20.7		ug/L		104	37 - 162		
m-Xylene & p-Xylene			20.0	20.7		ug/L		104	79 - 120		
o-Xylene			20.0	20.4		ug/L		102	79 - 120		
Toluene			20.0	20.8		ug/L		104	47 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*104*		*77 - 120*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

GC/MS VOA

Analysis Batch: 743746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228715-1	OWS-2 Effluent	Total/NA	Water	624.1	
480-228715-2	BSA Outfall	Total/NA	Water	624.1	
480-228715-3	Trip Blank	Total/NA	Water	624.1	
MB 480-743746/8	Method Blank	Total/NA	Water	624.1	
LCS 480-743746/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Client Sample ID: OWS-2 Effluent

Lab Sample ID: 480-228715-1

Date Collected: 04/15/25 14:15

Matrix: Water

Date Received: 04/15/25 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		8	743746	LCH	EET BUF	04/16/25 21:15

Client Sample ID: BSA Outfall

Lab Sample ID: 480-228715-2

Date Collected: 04/15/25 14:30

Matrix: Water

Date Received: 04/15/25 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	743746	LCH	EET BUF	04/16/25 21:39

Client Sample ID: Trip Blank

Lab Sample ID: 480-228715-3

Date Collected: 04/15/25 00:00

Matrix: Water

Date Received: 04/15/25 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	743746	LCH	EET BUF	04/16/25 22:03

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	Total BTEX

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St

Job ID: 480-228715-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-228715-1	OWS-2 Effluent	Water	04/15/25 14:15	04/15/25 14:55
480-228715-2	BSA Outfall	Water	04/15/25 14:30	04/15/25 14:55
480-228715-3	Trip Blank	Water	04/15/25 00:00	04/15/25 14:55

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
Phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 4/15/25	COC No: 1
LaBella	Tel: 716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Gabe Hadley
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below _____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No:
P O # 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	BTEX 624.1	Sample Specific Notes:
								2	
OWS-2 Effluent	4/15/25	2:15	G	W	3			x	
BSA Outfall	4/15/25	2:30	G	W	3			x	
Trip Blank	4/15/25			W	2			x	

480-228715 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

12.6 IR#5C NO ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No:		Cooler Temp. (°C): Obs'd _____ Corr'd _____	Therm ID No: _____	
Relinquished by:	Company: LaBella	Date/Time: 4/15 2:55	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ET	Date/Time: 4/15/25 1455

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

4/17/2025

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-228715-1

Login Number: 228715

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.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	12.6 IR#SC no 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	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

APPENDIX 8

2024-2025 OU-3 PFAS Sampling Data

Table 1
Annual PFAS Detections Summary
ESCP OU-3 GWETS Effluent

Sample Date		9/24/2021		9/16/2022		9/15/2023		9/12/2024		NYSDEC Ambient Water Quality Guidance Values
Group	**Per- and Polyfluoroalkyl Subsances (PFAS) (ng/L)**									
Perfluoroalkyl carboxylates	Perfluorobutanoic acid (PFBA)	**15**		**23**		**55**		**8.0**	**J**	NL
	Perfluoropentanoic acid (PFPeA)	**14**		**13**		**18**		**17**		NL
	Perfluorohexanoic acid (PFHxA)	**15**		**13**		**16**		**14**		NL
	Perfluoroheptanoic acid (PFHpA)	**16**		**13**		**17.0**		**12**		NL
	Perfluorooctanoic acid (PFOA)	**22**		**23**		**25**		**41**		6.7
	Perfluorononanoic acid (PFNA)	**25**		**25**		**20**		**51**		NL
	Perfluorodecanoic acid (PFDA)	**2.4**		**2.0**		**3.4**		**2.2**		NL
	Perfluoroundecanoic acid (PFUA/PFUnA)	**2.1**		**2.7**		1.8	U	**3.5**		NL
	Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
	Perfluorotridecanoic acid (PFTriA/PFTrDA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
	Perfluorotetradecanoic acid (PFTA/PFTeA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
Perfluoroalkyl sulfonates	Perfluorobutanesulfonic acid (PFBS)	**3.3**		**3**		**4.4**		2.2	U	NL
	Perfluorohexanesulfonic acid (PFHxS)	**5.3**		**5.2**		**5.1**		**5.3**		NL
	Perfluoroheptanesulfonic acid (PFHpS)	1.7	U	1.7	U	1.8	U	2.2	U	NL
	Perfluorooctanesulfonic acid (PFOS)	**7.0**		**6.4**		**9.3**		**6.9**		2.7
	Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	U	1.8	U	2.2	U	NL
Fluorinated Telomer Sulfonates	6:2 Fluorotelomer sulfonate (6:2 FTS)	**2.1**	**J**	**2.0**	**J**	**1.8**	**J**	8.8	U	NL
	8:2 Fluorotelomer sulfonate (8:2 FTS)	**2.7**		**2.6**		**4.7**		**2.7**	**J**	NL
Perfluorooctane-sulfonamides	Perfluroroctanesulfonamide (PFOSA)	1.7	U	1.7	U	1.8	U	2.2	U	NL
Perfluorooctane-sulfonamidoacetic acids	N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	4.1	U	4.3	U	4.5	U	2.2	U	NL
	N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	4.1	U	4.3	U	4.5	U	2.2	U	NL

NOTES:

ng/L - nanograms per liter or parts per trillion (ppt)

PFAs analyzed by USEPA Method 1633 (modified)

U = The analyte was analyzed for but was not detected above the level of the associated reported quantitation limit.

NL = No Limit

BOLD = The analyte was detected above the level of the associated reorted quantitation limit

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ANALYTICAL REPORT

PREPARED FOR

Attn: Andy Janik
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 9/20/2024 12:32:01 PM

JOB DESCRIPTION

(ESCP) Elk St Job# 2231211

JOB NUMBER

480-223345-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
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Designee for
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Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-223345-1

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 9/12/2024 2:20 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 10.3°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: BSA Day 1 Grab (480-223345-1) and BSA Day 2 Grab (480-223345-2). This does not meet regulatory requirements.

GC/MS VOA
Method 624.1_PREC: The continuing calibration verification (CCV) associated with batch 480-724962 recovered above the upper control limit for 1,2,4-Trichlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BSA Grab 1 (480-223345-4) and Trip Blank 1 (480-223345-6).

Method 624.1_PREC: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-724962 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: BSA Grab 1 (480-223345-4) and Trip Blank 1 (480-223345-6).

Method 624.1_PREC: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BSA Grab 1 (480-223345-4). 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.

PFAS
Method 1633: The following sample was collected in an improper container: BSA Oytfall - PFAS (480-223345-7). The laboratory was instructed to proceed with analysis.

Method 1633: The low level continuing calibration verification (CCVL) and continuing calibration verification (CCV) associated with batch 240-627188 recovered outside of control limits for IDA compound(s) (flagged). Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analyte(s) associated with this IDA are within spec, data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 1664B: Analysis for Hexane Extractable Material (HEM) was performed for the following samples: BSA Day 1 Grab (480-223345-1), BSA Day 2 Grab (480-223345-2) and BSA Day 3 Grab (480-223345-3). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BSA Day 1 Grab (480-223345-1), BSA Day 2 Grab (480-223345-2) and BSA Day 3 Grab (480-223345-3).

Job ID: 480-223345-1 (Continued) Eurofins Buffalo

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 1 Grab — Lab Sample ID: 480-223345-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.14	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	17.7	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Day 2 Grab — Lab Sample ID: 480-223345-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	2.8	J	5.1	1.4	mg/L	1		1664B	Total/NA
pH	7.71	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	17.7	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Day 3 Grab — Lab Sample ID: 480-223345-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.64	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	17.5	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: BSA Grab 1 — Lab Sample ID: 480-223345-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	4.5	J	25	2.7	ug/L	5		624.1	Total/NA
1,4-Dichlorobenzene	25		25	2.5	ug/L	5		624.1	Total/NA
Benzene	49		25	3.0	ug/L	5		624.1	Total/NA
Chlorobenzene	84		25	2.4	ug/L	5		624.1	Total/NA
Isopropylbenzene	9.1	J	25	2.6	ug/L	5		624.1	Total/NA
Methyl tert-butyl ether	16	J	25	1.8	ug/L	5		624.1	Total/NA
Methylene Chloride	6.7	J	25	4.1	ug/L	5		624.1	Total/NA

Client Sample ID: BSA Comp 1 — Lab Sample ID: 480-223345-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	4.1		2.0	2.0	mg/L	1		SM 5210B	Total/NA

Client Sample ID: Trip Blank 1 — Lab Sample ID: 480-223345-6

No Detections.

Client Sample ID: BSA Oytfall - PFAS — Lab Sample ID: 480-223345-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	8.0	J	8.8	2.3	ng/L	1		Draft-3 1633	Total/NA
Perfluoropentanoic acid (PFPeA)	17		4.4	1.1	ng/L	1		Draft-3 1633	Total/NA
Perfluorohexanoic acid (PFHxA)	14		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorooctanoic acid (PFOA)	41		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorononanoic acid (PFNA)	51		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorodecanoic acid (PFDA)	2.2		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.5		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.3		2.2	0.57	ng/L	1		Draft-3 1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.9		2.2	0.55	ng/L	1		Draft-3 1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.7	J	8.8	2.2	ng/L	1		Draft-3 1633	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 1 Grab

Date Collected: 09/10/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		4.8	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM (1664B)	ND		4.8	1.9	mg/L		09/13/24 08:05	09/13/24 09:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.14**	**HF**	0.100	0.100	SU			09/15/24 13:57	1
Temperature (SW846 9040C)	**17.7**	**HF**	0.00100	0.00100	Degrees C			09/15/24 13:57	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 2 Grab

Date Collected: 09/11/24 13:10
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	**2.8**	**J**	5.1	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM (1664B)	ND		5.1	2.0	mg/L		09/13/24 08:05	09/13/24 09:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.71**	**HF**	0.100	0.100	SU			09/15/24 13:57	1
Temperature (SW846 9040C)	**17.7**	**HF**	0.00100	0.00100	Degrees C			09/15/24 13:57	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Day 3 Grab

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		5.1	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM (1664B)	ND		5.1	2.0	mg/L		09/13/24 08:05	09/13/24 09:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.64**	**HF**	0.100	0.100	SU			09/15/24 13:57	1
Temperature (SW846 9040C)	**17.5**	**HF**	0.00100	0.00100	Degrees C			09/15/24 13:57	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Grab 1

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-4

Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	1.9	ug/L			09/13/24 01:28	5
1,1,2,2-Tetrachloroethane	ND		25	1.3	ug/L			09/13/24 01:28	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	1.8	ug/L			09/13/24 01:28	5
1,1,2-Trichloroethane	ND		25	2.4	ug/L			09/13/24 01:28	5
1,1-Dichloroethane	ND		25	2.9	ug/L			09/13/24 01:28	5
1,1-Dichloroethene	ND		25	4.3	ug/L			09/13/24 01:28	5
1,2,4-Trichlorobenzene	ND	*+	25	2.0	ug/L			09/13/24 01:28	5
1,2-Dibromo-3-Chloropropane	ND		25	3.1	ug/L			09/13/24 01:28	5
1,2-Dibromoethane	ND		25	2.5	ug/L			09/13/24 01:28	5
1,2-Dichlorobenzene	ND		25	2.2	ug/L			09/13/24 01:28	5
1,2-Dichloroethane	ND		25	3.0	ug/L			09/13/24 01:28	5
1,2-Dichloropropane	ND		25	3.1	ug/L			09/13/24 01:28	5
1,3-Dichlorobenzene	**4.5**	**J**	25	2.7	ug/L			09/13/24 01:28	5
1,4-Dichlorobenzene	**25**		25	2.5	ug/L			09/13/24 01:28	5
2-Butanone (MEK)	ND		130	8.8	ug/L			09/13/24 01:28	5
2-Hexanone	ND		130	9.8	ug/L			09/13/24 01:28	5
4-Methyl-2-pentanone (MIBK)	ND		130	6.5	ug/L			09/13/24 01:28	5
Acetone	ND		130	9.9	ug/L			09/13/24 01:28	5
Benzene	**49**		25	3.0	ug/L			09/13/24 01:28	5
Bromodichloromethane	ND		25	2.7	ug/L			09/13/24 01:28	5
Bromoform	ND		25	2.3	ug/L			09/13/24 01:28	5
Bromomethane	ND		25	6.0	ug/L			09/13/24 01:28	5
Carbon disulfide	ND		25	1.4	ug/L			09/13/24 01:28	5
Carbon tetrachloride	ND		25	2.6	ug/L			09/13/24 01:28	5
Chlorobenzene	**84**		25	2.4	ug/L			09/13/24 01:28	5
Chloroethane	ND		25	4.4	ug/L			09/13/24 01:28	5
Chloroform	ND		25	2.7	ug/L			09/13/24 01:28	5
Chloromethane	ND		25	3.2	ug/L			09/13/24 01:28	5
cis-1,2-Dichloroethene	ND		25	2.9	ug/L			09/13/24 01:28	5
cis-1,3-Dichloropropene	ND		25	1.7	ug/L			09/13/24 01:28	5
Dibromochloromethane	ND		25	2.1	ug/L			09/13/24 01:28	5
Dichlorodifluoromethane	ND		25	1.4	ug/L			09/13/24 01:28	5
Ethylbenzene	ND		25	2.3	ug/L			09/13/24 01:28	5
Isopropylbenzene	**9.1**	**J**	25	2.6	ug/L			09/13/24 01:28	5
Methyl tert-butyl ether	**16**	**J**	25	1.8	ug/L			09/13/24 01:28	5
Methylene Chloride	**6.7**	**J**	25	4.1	ug/L			09/13/24 01:28	5
Styrene	ND		25	1.9	ug/L			09/13/24 01:28	5
Tetrachloroethene	ND		25	1.7	ug/L			09/13/24 01:28	5
Toluene	ND		25	2.3	ug/L			09/13/24 01:28	5
trans-1,2-Dichloroethene	ND		25	2.9	ug/L			09/13/24 01:28	5
trans-1,3-Dichloropropene	ND		25	2.2	ug/L			09/13/24 01:28	5
Trichloroethene	ND		25	3.0	ug/L			09/13/24 01:28	5
Trichlorofluoromethane	ND		25	2.2	ug/L			09/13/24 01:28	5
Vinyl chloride	ND		25	3.7	ug/L			09/13/24 01:28	5
Xylenes, Total	ND		50	5.4	ug/L			09/13/24 01:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*09/13/24 01:28*	*5*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*09/13/24 01:28*	*5*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/24 01:28*	*5*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Grab 1
Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-4
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		77 - 120		09/13/24 01:28	5

Client Sample Results

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Comp 1

Date Collected: 09/12/24 13:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-5

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM 5210B)	**4.1**		2.0	2.0	mg/L			09/13/24 12:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0	4.0	mg/L			09/13/24 13:05	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: Trip Blank 1
Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-6
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/13/24 01:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			09/13/24 01:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			09/13/24 01:52	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/13/24 01:52	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/13/24 01:52	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			09/13/24 01:52	1
1,2,4-Trichlorobenzene	ND	*+	5.0	0.39	ug/L			09/13/24 01:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			09/13/24 01:52	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			09/13/24 01:52	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			09/13/24 01:52	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/13/24 01:52	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			09/13/24 01:52	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			09/13/24 01:52	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			09/13/24 01:52	1
2-Butanone (MEK)	ND		25	1.8	ug/L			09/13/24 01:52	1
2-Hexanone	ND		25	2.0	ug/L			09/13/24 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			09/13/24 01:52	1
Acetone	ND		25	2.0	ug/L			09/13/24 01:52	1
Benzene	ND		5.0	0.60	ug/L			09/13/24 01:52	1
Bromodichloromethane	ND		5.0	0.54	ug/L			09/13/24 01:52	1
Bromoform	ND		5.0	0.47	ug/L			09/13/24 01:52	1
Bromomethane	ND		5.0	1.2	ug/L			09/13/24 01:52	1
Carbon disulfide	ND		5.0	0.29	ug/L			09/13/24 01:52	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/13/24 01:52	1
Chlorobenzene	ND		5.0	0.48	ug/L			09/13/24 01:52	1
Chloroethane	ND		5.0	0.87	ug/L			09/13/24 01:52	1
Chloroform	ND		5.0	0.54	ug/L			09/13/24 01:52	1
Chloromethane	ND		5.0	0.64	ug/L			09/13/24 01:52	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			09/13/24 01:52	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			09/13/24 01:52	1
Dibromochloromethane	ND		5.0	0.41	ug/L			09/13/24 01:52	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			09/13/24 01:52	1
Ethylbenzene	ND		5.0	0.46	ug/L			09/13/24 01:52	1
Isopropylbenzene	ND		5.0	0.51	ug/L			09/13/24 01:52	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			09/13/24 01:52	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/13/24 01:52	1
Styrene	ND		5.0	0.38	ug/L			09/13/24 01:52	1
Tetrachloroethene	ND		5.0	0.34	ug/L			09/13/24 01:52	1
Toluene	ND		5.0	0.45	ug/L			09/13/24 01:52	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			09/13/24 01:52	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			09/13/24 01:52	1
Trichloroethene	ND		5.0	0.60	ug/L			09/13/24 01:52	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			09/13/24 01:52	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/13/24 01:52	1
Xylenes, Total	ND		10	1.1	ug/L			09/13/24 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*09/13/24 01:52*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*		*09/13/24 01:52*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/13/24 01:52*	*1*

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: Trip Blank 1
Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-6
Matrix: Water

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		77 - 120		09/13/24 01:52	1

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Oytfall - PFAS

Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-7

Matrix: Water

Method: EPA Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**8.0**	**J**	8.8	2.3	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoropentanoic acid (PFPeA)	**17**		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorohexanoic acid (PFHxA)	**14**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoroheptanoic acid (PFHpA)	**12**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorooctanoic acid (PFOA)	**41**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorononanoic acid (PFNA)	**51**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorodecanoic acid (PFDA)	**2.2**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoroundecanoic acid (PFUnA)	**3.5**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorododecanoic acid (PFDoA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorohexanesulfonic acid (PFHxS)	**5.3**		2.2	0.57	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorooctanesulfonic acid (PFOS)	**6.9**		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorononanesulfonic acid (PFNS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**2.7**	**J**	8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.2	0.68	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.2	0.57	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		22	5.5	ng/L		09/16/24 08:32	09/17/24 00:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		22	5.5	ng/L		09/16/24 08:32	09/17/24 00:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		4.4	1.3	ng/L		09/16/24 08:32	09/17/24 00:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		8.8	2.2	ng/L		09/16/24 08:32	09/17/24 00:27	1

Client Sample ID: BSA Oytfall - PFAS
Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-7
Matrix: Water

Method: EPA Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		11	2.7	ng/L		09/16/24 08:32	09/17/24 00:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		55	14	ng/L		09/16/24 08:32	09/17/24 00:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		55	16	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.2	0.55	ng/L		09/16/24 08:32	09/17/24 00:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		4.4	1.1	ng/L		09/16/24 08:32	09/17/24 00:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.8*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C5 PFPeA	*77.6*		*35 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C5 PFHxA	*69.2*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C4 PFHpA	*96.9*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C8 PFOA	*67.7*		*60 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C9 PFNA	*107*		*55 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C6 PFDA	*109*		*50 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C7 PFUnA	*97.0*		*30 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C2 PFTeDA	*69.8*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C3 PFBS	*86.9*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C3 PFHxS	*90.0*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C8 PFOS	*87.9*		*45 - 140*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C8 PFOSA	*83.4*		*30 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d3-NMeFOSAA	*56.2*		*45 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d5-NEtFOSAA	*63.2*		*10 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
M2-4:2 FTS	*72.5*		*60 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
M2-6:2 FTS	*77.3*		*60 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
M2-8:2 FTS	*90.3*		*50 - 200*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C3 HFPO-DA	*72.3*		*25 - 160*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d7-N-MeFOSE-M	*71.9*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d9-N-EtFOSE-M	*66.5*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
d5-NEtPFOSA	*54.0*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
D3-NMeFOSA	*62.0*		*15 - 130*	*09/16/24 08:32*	*09/17/24 00:27*	*1*
13C2-PFDoDA	*85.6*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:27*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-223345-4	BSA Grab 1	107	98	104	106
480-223345-6	Trip Blank 1	105	95	99	106
LCS 480-724962/6	Lab Control Sample	106	98	105	106
MB 480-724962/8	Method Blank	104	97	99	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(35-150)	(55-150)	(55-150)	(60-140)	(55-140)	(50-140)	(30-140)
480-223345-7	BSA Oytfall - PFAS	86.8	77.6	69.2	96.9	67.7	107	109	97.0
MB 240-627062/1-A	Method Blank	87.1	74.2	73.8	76.9	81.9	97.4	106	97.0

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(55-150)	(55-150)	(45-140)	(30-130)	(45-200)	(10-200)	(60-200)
480-223345-7	BSA Oytfall - PFAS	69.8	86.9	90.0	87.9	83.4	56.2	63.2	72.5
MB 240-627062/1-A	Method Blank	68.8	98.7	96.4	96.4	91.8	96.4	101	130

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(60-200)	(50-200)	(25-160)	(10-150)	(10-150)	(10-130)	(15-130)	(10-150)
480-223345-7	BSA Oytfall - PFAS	77.3	90.3	72.3	71.9	66.5	54.0	62.0	85.6
MB 240-627062/1-A	Method Blank	127	118	75.4	86.7	76.3	64.9	67.0	90.0

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = D3-NMeFOSA
PFDoDA = 13C2-PFDoDA

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(40-150)	(40-150)	(40-150)	(30-140)	(30-140)	(20-140)	(20-140)
LCS 240-627062/3-A	Lab Control Sample	82.3	73.2	71.3	76.2	85.7	87.4	90.9	102
LLCS 240-627062/2-A	Lab Control Sample	84.3	73.7	73.0	72.0	79.1	89.0	103	90.3

Isotope Dilution Summary

Client: LaBella Associates DPC
Job ID: 480-223345-1
Project/Site: (ESCP) Elk St Job# 2231211

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (25-150)	C3PFHS (25-150)	C8PFOS (20-140)	PFOSA (10-130)	d3NMFOS (10-200)	d5NEFOS (10-200)	M242FTS (25-200)
LCS 240-627062/3-A	Lab Control Sample	76.7	90.6	89.2	88.3	82.0	82.0	92.5	127
LLCS 240-627062/2-A	Lab Control Sample	67.5	97.8	91.6	90.6	86.2	89.2	91.8	135

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (25-200)	M282FTS (25-200)	HFPODA (25-160)	NMFM (10-150)	NEFM (10-150)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDoDA (10-150)
LCS 240-627062/3-A	Lab Control Sample	117	115	72.8	73.6	75.3	59.8	60.9	86.1
LLCS 240-627062/2-A	Lab Control Sample	122	113	74.1	78.3	79.3	60.8	65.9	95.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = D3-NMeFOSA
PFDoDA = 13C2-PFDoDA

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-724962/8
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/12/24 20:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			09/12/24 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.36	ug/L			09/12/24 20:35	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/12/24 20:35	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/12/24 20:35	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			09/12/24 20:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.39	ug/L			09/12/24 20:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.62	ug/L			09/12/24 20:35	1
1,2-Dibromoethane	ND		5.0	0.50	ug/L			09/12/24 20:35	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			09/12/24 20:35	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/12/24 20:35	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			09/12/24 20:35	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			09/12/24 20:35	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			09/12/24 20:35	1
2-Butanone (MEK)	ND		25	1.8	ug/L			09/12/24 20:35	1
2-Hexanone	ND		25	2.0	ug/L			09/12/24 20:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.3	ug/L			09/12/24 20:35	1
Acetone	ND		25	2.0	ug/L			09/12/24 20:35	1
Benzene	ND		5.0	0.60	ug/L			09/12/24 20:35	1
Bromodichloromethane	ND		5.0	0.54	ug/L			09/12/24 20:35	1
Bromoform	ND		5.0	0.47	ug/L			09/12/24 20:35	1
Bromomethane	ND		5.0	1.2	ug/L			09/12/24 20:35	1
Carbon disulfide	ND		5.0	0.29	ug/L			09/12/24 20:35	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/12/24 20:35	1
Chlorobenzene	ND		5.0	0.48	ug/L			09/12/24 20:35	1
Chloroethane	ND		5.0	0.87	ug/L			09/12/24 20:35	1
Chloroform	ND		5.0	0.54	ug/L			09/12/24 20:35	1
Chloromethane	ND		5.0	0.64	ug/L			09/12/24 20:35	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			09/12/24 20:35	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			09/12/24 20:35	1
Dibromochloromethane	ND		5.0	0.41	ug/L			09/12/24 20:35	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			09/12/24 20:35	1
Ethylbenzene	ND		5.0	0.46	ug/L			09/12/24 20:35	1
Isopropylbenzene	ND		5.0	0.51	ug/L			09/12/24 20:35	1
Methyl tert-butyl ether	ND		5.0	0.35	ug/L			09/12/24 20:35	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/12/24 20:35	1
Styrene	ND		5.0	0.38	ug/L			09/12/24 20:35	1
Tetrachloroethene	ND		5.0	0.34	ug/L			09/12/24 20:35	1
Toluene	ND		5.0	0.45	ug/L			09/12/24 20:35	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			09/12/24 20:35	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			09/12/24 20:35	1
Trichloroethene	ND		5.0	0.60	ug/L			09/12/24 20:35	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			09/12/24 20:35	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/12/24 20:35	1
Xylenes, Total	ND		10	1.1	ug/L			09/12/24 20:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*09/12/24 20:35*	*1*

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-724962/8
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*09/12/24 20:35*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/12/24 20:35*	*1*
Toluene-d8 (Surr)	*107*		*77 - 120*		*09/12/24 20:35*	*1*

Lab Sample ID: LCS 480-724962/6
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.4		ug/L		112	52 - 162
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	46 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.9		ug/L		110	50 - 150
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	52 - 150
1,1-Dichloroethane	20.0	21.1		ug/L		106	59 - 155
1,1-Dichloroethene	20.0	21.5		ug/L		108	1 - 234
1,2,4-Trichlorobenzene	20.0	27.7	*+	ug/L		138	56 - 128
1,2-Dibromo-3-Chloropropane	20.0	23.4		ug/L		117	44 - 138
1,2-Dibromoethane	20.0	20.1		ug/L		100	77 - 124
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	18 - 190
1,2-Dichloroethane	20.0	21.4		ug/L		107	49 - 155
1,2-Dichloropropane	20.0	19.1		ug/L		96	1 - 210
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	59 - 156
1,4-Dichlorobenzene	20.0	20.1		ug/L		100	18 - 190
2-Butanone (MEK)	100	116		ug/L		116	57 - 140
2-Hexanone	100	95.3		ug/L		95	50 - 150
4-Methyl-2-pentanone (MIBK)	100	110		ug/L		110	50 - 150
Acetone	100	142		ug/L		142	21 - 161
Benzene	20.0	20.3		ug/L		101	37 - 151
Bromodichloromethane	20.0	19.4		ug/L		97	35 - 155
Bromoform	20.0	21.2		ug/L		106	45 - 169
Bromomethane	20.0	24.7		ug/L		124	1 - 242
Carbon disulfide	20.0	20.4		ug/L		102	49 - 145
Carbon tetrachloride	20.0	22.1		ug/L		110	70 - 140
Chlorobenzene	20.0	20.3		ug/L		101	37 - 160
Chloroethane	20.0	23.3		ug/L		117	14 - 230
Chloroform	20.0	21.1		ug/L		106	51 - 138
Chloromethane	20.0	20.0		ug/L		100	1 - 273
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	50 - 150
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	1 - 227
Dibromochloromethane	20.0	22.0		ug/L		110	53 - 149
Dichlorodifluoromethane	20.0	21.6		ug/L		108	59 - 135
Ethylbenzene	20.0	20.2		ug/L		101	37 - 162
Isopropylbenzene	20.0	18.1		ug/L		91	68 - 133
Methyl tert-butyl ether	20.0	22.1		ug/L		111	78 - 118
Methylene Chloride	20.0	21.5		ug/L		108	1 - 221
Styrene	20.0	19.7		ug/L		98	50 - 150
Tetrachloroethene	20.0	21.7		ug/L		108	64 - 148
Toluene	20.0	21.1		ug/L		105	47 - 150

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-724962/6
Matrix: Water
Analysis Batch: 724962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	54 - 156
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	17 - 183
Trichloroethene	20.0	20.0		ug/L		100	71 - 157
Trichlorofluoromethane	20.0	22.8		ug/L		114	17 - 181
Vinyl chloride	20.0	23.6		ug/L		118	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*106*		*77 - 120*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		8.0	2.1	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoropentanoic acid (PFPeA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.52	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.62	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.52	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		20	5.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		20	5.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		4.0	1.2	ng/L		09/16/24 08:32	09/16/24 21:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		8.0	2.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		10	2.5	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		50	13	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		50	15	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		4.0	1.0	ng/L		09/16/24 08:32	09/16/24 21:17	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87.1*		*10 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C5 PFPeA	*74.2*		*35 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C5 PFHxA	*73.8*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C4 PFHpA	*76.9*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOA	*81.9*		*60 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C9 PFNA	*97.4*		*55 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C6 PFDA	*106*		*50 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C7 PFUnA	*97.0*		*30 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C2 PFTeDA	*68.8*		*10 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 PFBS	*98.7*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 PFHxS	*96.4*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOS	*96.4*		*45 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOSA	*91.8*		*30 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d3-NMeFOSAA	*96.4*		*45 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d5-NEtFOSAA	*101*		*10 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-4:2 FTS	*130*		*60 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-6:2 FTS	*127*		*60 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-8:2 FTS	*118*		*50 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 HFPO-DA	*75.4*		*25 - 160*	*09/16/24 08:32*	*09/16/24 21:17*	*1*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	86.7		10 - 150	09/16/24 08:32	09/16/24 21:17	1
d9-N-EtFOSE-M	76.3		10 - 150	09/16/24 08:32	09/16/24 21:17	1
d5-NEtPFOSA	64.9		10 - 130	09/16/24 08:32	09/16/24 21:17	1
D3-NMeFOSA	67.0		15 - 130	09/16/24 08:32	09/16/24 21:17	1
13C2-PFDoDA	90.0		10 - 150	09/16/24 08:32	09/16/24 21:17	1

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	97.7		ng/L		98	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	51.6		ng/L		103	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	27.6		ng/L		110	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	24.8		ng/L		99	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	27.0		ng/L		108	52 - 161
Perfluorononanoic acid (PFNA)	25.0	25.2		ng/L		101	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	27.2		ng/L		109	52 - 147
Perfluoroundecanoic acid (PFUnA)	25.0	20.2		ng/L		81	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	24.4		ng/L		98	64 - 142
Perfluorotridecanoic acid (PFTrDA)	25.0	21.5		ng/L		86	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	24.2		ng/L		97	47 - 161
Perfluorobutanesulfonic acid (PFBS)	22.1	22.4		ng/L		101	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	25.3		ng/L		108	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	24.7		ng/L		109	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.8	23.2		ng/L		97	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.2	22.1		ng/L		95	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.0	22.6		ng/L		94	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.2	19.1		ng/L		79	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.4	84.1		ng/L		90	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	94.8	86.8		ng/L		92	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	95.8	87.8		ng/L		92	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	26.7		ng/L		107	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	29.5		ng/L		118	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	27.8		ng/L		111	65 - 139

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	26.3		ng/L		105	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	22.8		ng/L		91	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	257		ng/L		103	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	258		ng/L		103	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	91.9		ng/L		92	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.2	101		ng/L		107	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	49.3		ng/L		99	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	54.9		ng/L		110	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	93.2	90.8		ng/L		97	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	94.2	87.9		ng/L		93	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	44.5	47.8		ng/L		108	56 - 151
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	111		ng/L		89	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	480		ng/L		77	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	550		ng/L		88	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	22.9		ng/L		95	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	50.0	48.1		ng/L		96	51 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*82.3*		*10 - 130*
13C5 PFPeA	*73.2*		*40 - 150*
13C5 PFHxA	*71.3*		*40 - 150*
13C4 PFHpA	*76.2*		*40 - 150*
13C8 PFOA	*85.7*		*30 - 140*
13C9 PFNA	*87.4*		*30 - 140*
13C6 PFDA	*90.9*		*20 - 140*
13C7 PFUnA	*102*		*20 - 140*
13C2 PFTeDA	*76.7*		*10 - 130*
13C3 PFBS	*90.6*		*25 - 150*
13C3 PFHxS	*89.2*		*25 - 150*
13C8 PFOS	*88.3*		*20 - 140*
13C8 PFOSA	*82.0*		*10 - 130*
d3-NMeFOSAA	*82.0*		*10 - 200*
d5-NEtFOSAA	*92.5*		*10 - 200*
M2-4:2 FTS	*127*		*25 - 200*
M2-6:2 FTS	*117*		*25 - 200*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-8:2 FTS	*115*		*25 - 200*
13C3 HFPO-DA	*72.8*		*25 - 160*
d7-N-MeFOSE-M	*73.6*		*10 - 150*
d9-N-EtFOSE-M	*75.3*		*10 - 150*
d5-NEtPFOSA	*59.8*		*10 - 130*
D3-NMeFOSA	*60.9*		*10 - 130*
13C2-PFDoDA	*86.1*		*10 - 150*

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.23		ng/L		103	44 - 157
Perfluoropentanoic acid (PFPeA)	4.00	4.40		ng/L		110	57 - 148
Perfluorohexanoic acid (PFHxA)	2.00	2.20		ng/L		110	62 - 149
Perfluoroheptanoic acid (PFHpA)	2.00	2.31		ng/L		116	56 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.42		ng/L		121	57 - 161
Perfluorononanoic acid (PFNA)	2.00	2.12		ng/L		106	53 - 157
Perfluorodecanoic acid (PFDA)	2.00	2.17		ng/L		109	43 - 158
Perfluoroundecanoic acid (PFUnA)	2.00	2.05		ng/L		103	50 - 155
Perfluorododecanoic acid (PFDoA)	2.00	1.96	J	ng/L		98	60 - 141
Perfluorotridecanoic acid (PFTrDA)	2.00	1.91	J	ng/L		96	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	2.00	2.41		ng/L		121	52 - 156
Perfluorobutanesulfonic acid (PFBS)	1.77	1.82	J	ng/L		103	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	2.22		ng/L		118	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	2.31		ng/L		127	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.90	2.10		ng/L		110	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.83	J	ng/L		99	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	2.04		ng/L		106	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.49	J	ng/L		77	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.21	J	ng/L		97	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	7.51	J	ng/L		99	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	7.64	J	ng/L		100	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.30		ng/L		115	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.40		ng/L		120	54 - 155

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.38		ng/L		119	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.23		ng/L		112	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.00		ng/L		100	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.6	J	ng/L		98	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.8	J	ng/L		99	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	8.26		ng/L		103	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.54	8.57		ng/L		114	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.08		ng/L		102	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.17		ng/L		104	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	7.46	7.59	J	ng/L		102	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	7.54	7.17	J	ng/L		95	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.56	4.00		ng/L		112	56 - 144
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	9.39	J	ng/L		94	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	41.4	J	ng/L		83	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	43.1	J	ng/L		86	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	1.85	J	ng/L		96	50 - 144
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.18		ng/L		105	48 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*84.3*		*10 - 130*
13C5 PFPeA	*73.7*		*40 - 150*
13C5 PFHxA	*73.0*		*40 - 150*
13C4 PFHpA	*72.0*		*40 - 150*
13C8 PFOA	*79.1*		*30 - 140*
13C9 PFNA	*89.0*		*30 - 140*
13C6 PFDA	*103*		*20 - 140*
13C7 PFUnA	*90.3*		*20 - 140*
13C2 PFTeDA	*67.5*		*10 - 130*
13C3 PFBS	*97.8*		*25 - 150*
13C3 PFHxS	*91.6*		*25 - 150*
13C8 PFOS	*90.6*		*20 - 140*
13C8 PFOSA	*86.2*		*10 - 130*
d3-NMeFOSAA	*89.2*		*10 - 200*
d5-NEtFOSAA	*91.8*		*10 - 200*

Method: Draft-3 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
M2-4:2 FTS	*135*		*25 - 200*
M2-6:2 FTS	*122*		*25 - 200*
M2-8:2 FTS	*113*		*25 - 200*
13C3 HFPO-DA	*74.1*		*25 - 160*
d7-N-MeFOSE-M	*78.3*		*10 - 150*
d9-N-EtFOSE-M	*79.3*		*10 - 150*
d5-NEtPFOSA	*60.8*		*10 - 130*
D3-NMeFOSA	*65.9*		*10 - 130*
13C2-PFDoDA	*95.7*		*10 - 150*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-724995/1-A
Matrix: Water
Analysis Batch: 725018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0	1.4	mg/L		09/13/24 08:05	09/13/24 09:02	1
SGT-HEM	ND		5.0	1.9	mg/L		09/13/24 08:05	09/13/24 09:02	1

Lab Sample ID: LCS 480-724995/2-A
Matrix: Water
Analysis Batch: 725018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	34.80		mg/L		87	78 - 114
SGT-HEM	20.0	17.40		mg/L		87	64 - 132

Method: 9040C - pH

Lab Sample ID: LCS 480-725154/1
Matrix: Water
Analysis Batch: 725154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.050		SU		101	99 - 101

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-725067/1
Matrix: Water
Analysis Batch: 725067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/13/24 13:05	1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 480-725067/2
Matrix: Water
Analysis Batch: 725067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			251	244.8		mg/L		98	88 - 110		

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-725122/1
Matrix: Water
Analysis Batch: 725122

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/13/24 12:37	1

Lab Sample ID: LCS 480-725122/2
Matrix: Water
Analysis Batch: 725122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Biochemical Oxygen Demand			198	196.7		mg/L		100	85 - 115		

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

GC/MS VOA

Analysis Batch: 724962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-4	BSA Grab 1	Total/NA	Water	624.1	
480-223345-6	Trip Blank 1	Total/NA	Water	624.1	
MB 480-724962/8	Method Blank	Total/NA	Water	624.1	
LCS 480-724962/6	Lab Control Sample	Total/NA	Water	624.1	

LCMS

Prep Batch: 627062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-7	BSA Oytfall - PFAS	Total/NA	Water	1633	
MB 240-627062/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-627062/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-627062/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 627188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-7	BSA Oytfall - PFAS	Total/NA	Water	Draft-3 1633	627062
MB 240-627062/1-A	Method Blank	Total/NA	Water	Draft-3 1633	627062
LCS 240-627062/3-A	Lab Control Sample	Total/NA	Water	Draft-3 1633	627062
LLCS 240-627062/2-A	Lab Control Sample	Total/NA	Water	Draft-3 1633	627062

General Chemistry

Prep Batch: 724995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-1	BSA Day 1 Grab	Total/NA	Water	1664B	
480-223345-2	BSA Day 2 Grab	Total/NA	Water	1664B	
480-223345-3	BSA Day 3 Grab	Total/NA	Water	1664B	
MB 480-724995/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-724995/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 725018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-1	BSA Day 1 Grab	Total/NA	Water	1664B	724995
480-223345-2	BSA Day 2 Grab	Total/NA	Water	1664B	724995
480-223345-3	BSA Day 3 Grab	Total/NA	Water	1664B	724995
MB 480-724995/1-A	Method Blank	Total/NA	Water	1664B	724995
LCS 480-724995/2-A	Lab Control Sample	Total/NA	Water	1664B	724995

Analysis Batch: 725067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-5	BSA Comp 1	Total/NA	Water	SM 2540D	
MB 480-725067/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-725067/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 725122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-5	BSA Comp 1	Total/NA	Water	SM 5210B	
USB 480-725122/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-725122/2	Lab Control Sample	Total/NA	Water	SM 5210B	

QC Association Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

General Chemistry

Analysis Batch: 725154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223345-1	BSA Day 1 Grab	Total/NA	Water	9040C	
480-223345-2	BSA Day 2 Grab	Total/NA	Water	9040C	
480-223345-3	BSA Day 3 Grab	Total/NA	Water	9040C	
LCS 480-725154/1	Lab Control Sample	Total/NA	Water	9040C	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-223345-1
Project/Site: (ESCP) Elk St Job# 2231211

Client Sample ID: BSA Day 1 Grab
Lab Sample ID: 480-223345-1
Date Collected: 09/10/24 13:00
Matrix: Water
Date Received: 09/12/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			724995	KM	EET BUF	09/13/24 08:05
Total/NA	Analysis	1664B		1	725018	KM	EET BUF	09/13/24 09:02
Total/NA	Analysis	9040C		1	725154	KB	EET BUF	09/15/24 13:57

Client Sample ID: BSA Day 2 Grab
Lab Sample ID: 480-223345-2
Date Collected: 09/11/24 13:10
Matrix: Water
Date Received: 09/12/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			724995	KM	EET BUF	09/13/24 08:05
Total/NA	Analysis	1664B		1	725018	KM	EET BUF	09/13/24 09:02
Total/NA	Analysis	9040C		1	725154	KB	EET BUF	09/15/24 13:57

Client Sample ID: BSA Day 3 Grab
Lab Sample ID: 480-223345-3
Date Collected: 09/12/24 13:00
Matrix: Water
Date Received: 09/12/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664B			724995	KM	EET BUF	09/13/24 08:05
Total/NA	Analysis	1664B		1	725018	KM	EET BUF	09/13/24 09:02
Total/NA	Analysis	9040C		1	725154	KB	EET BUF	09/15/24 13:57

Client Sample ID: BSA Grab 1
Lab Sample ID: 480-223345-4
Date Collected: 09/12/24 13:00
Matrix: Water
Date Received: 09/12/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	724962	AXK	EET BUF	09/13/24 01:28

Client Sample ID: BSA Comp 1
Lab Sample ID: 480-223345-5
Date Collected: 09/12/24 13:00
Matrix: Water
Date Received: 09/12/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540D		1	725067	AB	EET BUF	09/13/24 13:05
Total/NA	Analysis	SM 5210B		1	725122	KO	EET BUF	09/13/24 12:37

Client Sample ID: Trip Blank 1
Lab Sample ID: 480-223345-6
Date Collected: 09/12/24 00:00
Matrix: Water
Date Received: 09/12/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	724962	AXK	EET BUF	09/13/24 01:52

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Client Sample ID: BSA Oytfall - PFAS

Date Collected: 09/12/24 00:00
Date Received: 09/12/24 14:20

Lab Sample ID: 480-223345-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			627062	JVB4	EET CLE	09/16/24 08:32
Total/NA	Analysis	Draft-3 1633		1	627188	MRL	EET CLE	09/17/24 00:27

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	1,2,4-Trichlorobenzene
624.1		Water	1,2-Dibromo-3-Chloropropane
624.1		Water	1,2-Dibromoethane
624.1		Water	2-Butanone (MEK)
624.1		Water	2-Hexanone
624.1		Water	4-Methyl-2-pentanone (MIBK)
624.1		Water	Carbon disulfide
624.1		Water	Isopropylbenzene
9040C		Water	pH
9040C		Water	Temperature

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24 *
West Virginia DEP	State	210	12-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
Draft-3 1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
1664B	HEM and SGT-HEM	1664B	EET BUF
9040C	pH	SW846	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 5210B	BOD, 5-Day	SM	EET BUF
1633	Solid-Phase Extraction (SPE)	EPA	EET CLE
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: LaBella Associates DPC
Project/Site: (ESCP) Elk St Job# 2231211

Job ID: 480-223345-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223345-1	BSA Day 1 Grab	Water	09/10/24 13:00	09/12/24 14:20
480-223345-2	BSA Day 2 Grab	Water	09/11/24 13:10	09/12/24 14:20
480-223345-3	BSA Day 3 Grab	Water	09/12/24 13:00	09/12/24 14:20
480-223345-4	BSA Grab 1	Water	09/12/24 13:00	09/12/24 14:20
480-223345-5	BSA Comp 1	Water	09/12/24 13:00	09/12/24 14:20
480-223345-6	Trip Blank 1	Water	09/12/24 00:00	09/12/24 14:20
480-223345-7	BSA Oytfall - PFAS	Water	09/12/24 00:00	09/12/24 14:20

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Janik	Site Contact: Andrew Janik	Date: 9/12/24	COC No:
LaBella	Tel:716-345-6709	Lab Contact: Fisher, Brian J	Carrier: LaBella	1 of 1 COCs
300 Pearl Street, Suite 130	**Analysis Turnaround Time**			Sampler: Brent Miller
Buffalo NY 14202	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
716-551-6281	TAT if different from Below _____			Walk-in Client:
	☑ 2 weeks			Lab Sampling:
Project Name: ESCP	☐ 1 week			
Site: ESCP	☐ 2 days			Job / SDG No.:
P O #~~2231211~~ 2241733	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	5210B-BOD	2540D-TSS	624.1_PREC-624 TCL list	1664B-TPH	9040C-pH	PFC, EDA PFAS (21)	Sample Specific Notes:
								N	N	2	1	N		
BSA DAY 1 GRAB	9/10/24	1300	G	W	2						1	1		
BSA DAY 2 GRAB	9/11/24	1310	G	W	2						1	1		
BSA DAY 3 GRAB	9/12/24	1300	G	W	2						1	1		
BSA GRAB 1	9/12/24	1300	G	W	3					3				
BSA COMP. 1	9/12/24	1300	C	W	5			1	1					
TRIP BLANK 1	—	—		W	2					2				
BSA Outfall - PFAS	9/12/24		G	W	3 ARS								1	

480-223345 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Email report to ajanik@labellapc.com

10.3 #1 no ice

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: Carly Repka	Company:	Date/Time: 9/12/24 15:45	Received by: YYS	Company:	Date/Time: 9-12-24 1420
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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 (Sub Contract Lab)	Sampler	Lab PM: Fischer Brian J	Carrier Tracking No(s):	COC No: 480-89397 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 480-223345-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 9/25/2024			
City: Barberton	TAT Requested (days):			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: (ESCP) Elk St Job# 2231211	Project #: 48021585			
Site:	SSOW#:			

Analysis Requested

Sample Identification Client ID (Lab ID)	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)	1633/1633_SPE 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
BSA Oytfall PFAS (480-223345-7)	9/12/24	Eastern	G	Water			X	2	

Preservation Codes:
Other:

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9/13/24 1600	TA		9/14/24 930	Eurofins
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: 05/06/2024

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**
Barberton Facility

Client Intertek Site Name

Cooler Received on 9/14/24 Opened on 9/14/24

Cooler unpacked by: TF

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EW10 Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. 2.6 °C Corrected Cooler Temp 2.5 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	Yes	No (NA)
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/(N), # of containers (Y)/N), and sample type of grab/comp((Y)/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA	pH Strip Lot# HC442471
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot#	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container

Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory

Time preserved. Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen.

FedEx

FROM 448 1 12:00
4596
SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE
BUFFALO, NY 142282223
UNITED STATES US
26x15x14 IN
BILL SENDER

TO SAMPLE RECEIPT
EUROFINS CLEVELAND
180 S VAN BUREN AVE

BARBERTON OH 442033543
(330) 497-9396
REF: BARBERTON

Part # 159469-454 MAN EXP 01/25

FedEx Express

TRK# 0201 7463 0658 4596

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO CAKA

44203
OH-US CLE

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-223345-1

Login Number: 223345
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

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.	False	
Cooler Temperature is recorded.	True	10.3 31 no 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	Labella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-223345-1

Login Number: 223345
List Number: 2
Creator: Foltyn, Tristan

List Source: Eurofins Cleveland
List Creation: 09/14/24 10:32 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

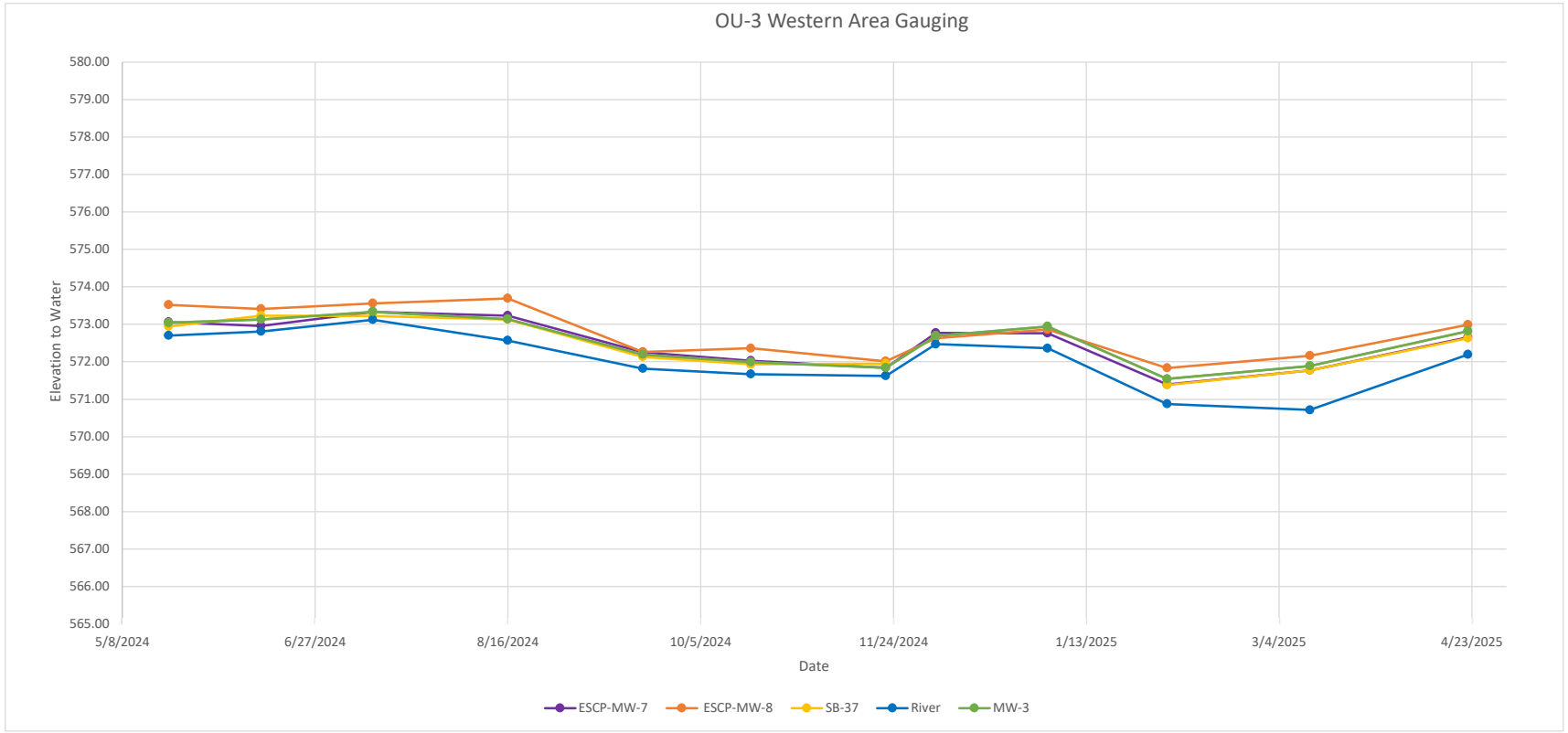
APPENDIX 9

OU-3 Hydrograph (with transducer data)

OU-3 Western Area Gauging 2024-2025

ESCP-MW-7			ESCP-MW-8			MW-3			SB-37			River		
TOC Elevation	581.55		**TOC Elevation**	581.76		**TOC Elevation**	581.84		**TOC Elevation**	582.73		**TOC Elevation**	584.32	
Date	**DTW**	**Elevation to Water**	**Date**	**DTW**	**Elevation to Water**	**Date**	**DTW**	**Elevation to Water**	**Date**	**DTW**	**Elevation to Water**	**Date**	**DTW**	**Elevation to Water**
5/20/2024	8.49	573.06	5/20/2024	8.24	573.52	5/20/2024	8.80	573.04	5/20/2024	9.79	572.94	5/20/2024	11.62	572.70
6/13/2024	8.59	572.96	6/13/2024	8.35	573.41	6/13/2024	8.71	573.13	6/13/2024	9.50	573.23	6/13/2024	11.51	572.81
7/12/2024	8.22	573.33	7/12/2024	8.20	573.56	7/12/2024	8.51	573.33	7/12/2024	9.51	573.22	7/12/2024	11.20	573.12
8/16/2024	8.32	573.23	8/16/2024	8.07	573.69	8/16/2024	8.70	573.14	8/16/2024	9.60	573.13	8/16/2024	11.75	572.57
9/20/2024	9.30	572.25	9/20/2024	9.50	572.26	9/20/2024	9.65	572.19	9/20/2024	10.60	572.13	9/20/2024	12.50	571.82
10/18/2024	9.52	572.03	10/18/2024	9.40	572.36	10/18/2024	9.85	571.99	10/18/2024	10.80	571.93	10/18/2024	12.65	571.67
11/22/2024	9.71	571.84	11/22/2024	9.75	572.01	11/22/2024	10.00	571.84	11/22/2024	10.78	571.95	11/22/2024	12.70	571.62
12/5/2024	8.78	572.77	12/5/2024	9.13	572.63	12/5/2024	9.15	572.69	12/5/2024	NA	#N/A	12/5/2024	11.85	572.47
1/3/2025	8.79	572.76	1/3/2025	8.90	572.86	1/3/2025	8.90	572.94	1/3/2025	NA	#N/A	1/3/2025	11.96	572.36
2/3/2025	10.16	571.39	2/3/2025	9.93	571.83	2/3/2025	10.30	571.54	2/3/2025	11.35	571.38	2/3/2025	13.45	570.87
3/12/2025	9.78	571.77	3/12/2025	9.60	572.16	3/12/2025	9.95	571.89	3/12/2025	10.96	571.77	3/12/2025	13.61	570.71
4/22/2025	8.90	572.65	4/22/2025	8.77	572.99	4/22/2025	9.02	572.82	4/22/2025	10.10	572.63	4/22/2025	12.13	572.19

"-" Could not find well due to snow.


OU-3 Western Area Gauging
Elevation to Water
580.00
579.00
578.00
577.00
576.00
575.00
574.00
573.00
572.00
571.00
570.00
569.00
568.00
567.00
566.00
565.00
5/8/2024
6/27/2024
8/16/2024
10/5/2024
11/24/2024
1/13/2025
3/4/2025
4/23/2025
Date
ESCP-MW-7
ESCP-MW-8
SB-37
River
MW-3

ESCP Monthly Piezometer Gauging Data

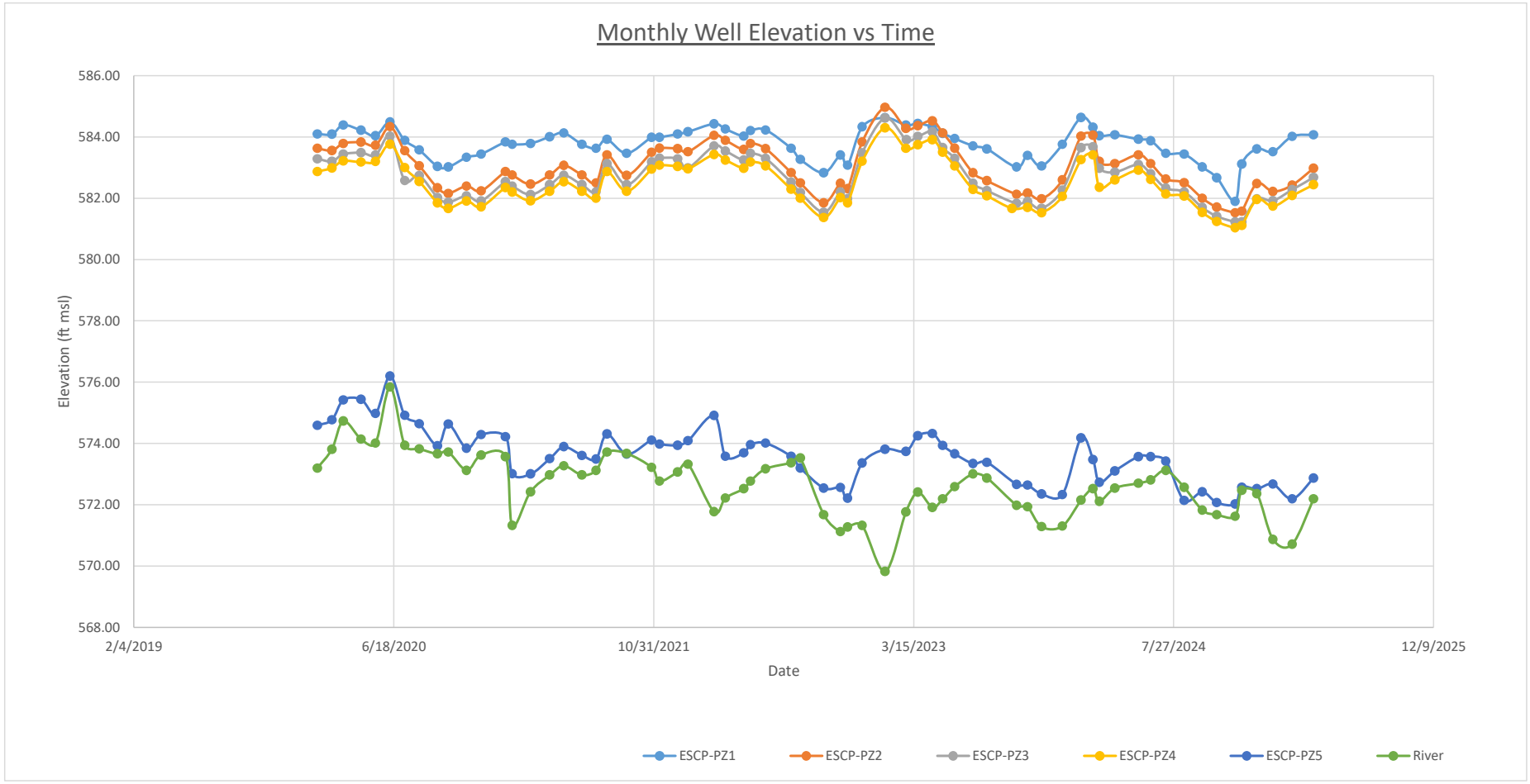


Table 1
ESCP PZ-1 Gauging Data

ESCP PZ-1				
Date	Measuring Point Elevation (ft msl) TOC	Depth to Product (ft) DTP	Depth to Water (ft) DTW	Corrected Elevation (ft msl)
1/23/2020	591.87	-	7.77	584.10
2/20/2020	591.87	-	7.78	584.09
3/13/2020	591.87	-	7.48	584.39
4/16/2020	591.87	-	7.65	584.22
5/14/2020	591.87	-	7.83	584.04
6/11/2020	591.87	-	7.38	584.49
7/9/2020	591.87	-	7.98	583.89
8/6/2020	591.87	-	8.29	583.58
9/10/2020	591.87	-	8.83	583.04
10/1/2020	591.87	-	8.85	583.02
11/5/2020	591.87	-	8.53	583.34
12/3/2020	591.87	-	8.43	583.44
1/19/2021	591.87	-	8.03	583.84
2/1/2021	591.87	-	8.11	583.76
3/8/2021	591.87	-	8.08	583.79
4/14/2021	591.87	-	7.86	584.01
5/11/2021	591.87	-	7.74	584.13
6/15/2021	591.87	-	8.11	583.76
7/12/2021	591.87	-	8.24	583.63
8/2/2021	591.87	-	7.95	583.92
9/9/2021	591.87	-	8.40	583.47
10/27/2021	591.87	-	7.88	583.99
11/11/2021	591.87	-	7.88	583.99
12/16/2021	591.87	-	7.77	584.10
1/5/2022	591.87	-	7.70	584.17
2/24/2022	591.87	-	7.44	584.43
3/18/2022	591.87	-	7.61	584.26
4/22/2022	591.87	-	7.84	584.03
5/5/2022	591.87	-	7.66	584.21
6/3/2022	591.87	-	7.64	584.23
7/22/2022	591.87	-	8.24	583.63
8/9/2022	591.87	-	8.60	583.27
9/23/2022	591.87	-	9.04	582.83
10/25/2022	591.87	-	8.46	583.41
11/8/2022	591.87	-	8.79	583.08
12/6/2022	591.87	-	7.54	584.33
1/19/2023	591.87	-	7.24	584.63
2/28/2023	591.87	-	7.48	584.39
3/23/2023	591.87	-	7.43	584.44
4/20/2023	591.87	-	7.54	584.33
5/10/2023	591.87	-	7.75	584.12
6/2/2023	591.87	-	7.92	583.95
7/7/2023	591.87	-	8.16	583.71
8/3/2023	591.87	-	8.26	583.61
9/29/2023	591.87	-	8.85	583.02
10/20/2023	591.87	-	8.47	583.4
11/16/2023	591.87	-	8.82	583.05
12/26/2023	591.87	-	8.11	583.76
1/31/2024	591.87	-	7.23	584.64
2/23/2024	591.87	-	7.55	584.32
3/6/2024	591.87	-	7.83	584.04
4/5/2024	591.87	-	7.80	584.07
5/20/2024	591.87	-	7.94	583.93
6/13/2024	591.87	-	7.99	583.88
7/12/2024	591.87	-	8.40	583.47
8/16/2024	591.87	-	8.43	583.44
9/20/2024	591.87	-	8.85	583.02
10/18/2024	591.87	-	9.20	582.67
11/22/2024	591.87	-	9.97	581.9
12/5/2024	591.87	-	8.75	583.12
1/3/2025	591.87	-	8.26	583.61
2/3/2025	591.87	-	8.35	583.52
3/12/2025	591.87	-	7.85	584.02
4/22/2025	591.87	-	7.80	584.07

Table 1
ESCP PZ-1 Gauging Data

ESCP PZ-2				
Date	Measuring Point Elevation (ft msl) TOC	Depth to Product (ft) DTP	Depth to Water (ft) DTW	Corrected Elevation (ft msl)
1/23/2020	598.08	-	14.45	583.63
2/20/2020	598.08	-	14.52	583.56
3/13/2020	598.08	-	14.29	583.79
4/16/2020	598.08	-	14.25	583.83
5/14/2020	598.08	-	14.35	583.73
6/11/2020	598.08	-	13.74	584.34
7/9/2020	598.08	-	14.53	583.55
8/6/2020	598.08	-	15.02	583.06
9/10/2020	598.08	-	15.74	582.34
10/1/2020	598.08	-	15.92	582.16
11/5/2020	598.08	-	15.68	582.40
12/3/2020	598.08	-	15.84	582.24
1/19/2021	598.08	-	15.21	582.87
2/1/2021	598.08	-	15.32	582.76
3/8/2021	598.08	-	15.62	582.46
4/14/2021	598.08	-	15.32	582.76
5/11/2021	598.08	-	15.01	583.07
6/15/2021	598.08	-	15.32	582.76
7/12/2021	598.08	-	15.58	582.50
8/2/2021	598.08	-	14.66	583.42
9/9/2021	598.08	-	15.33	582.75
10/27/2021	598.08	-	14.58	583.50
11/11/2021	598.08	-	14.44	583.64
12/16/2021	598.08	-	14.46	583.62
1/5/2022	598.08	-	14.56	583.52
2/24/2022	598.08	-	14.03	584.05
3/18/2022	598.08	-	14.19	583.89
4/22/2022	598.08	-	14.49	583.59
5/5/2022	598.08	-	14.29	583.79
6/3/2022	598.08	-	14.46	583.62
7/22/2022	598.08	-	15.24	582.84
8/9/2022	598.08	-	15.58	582.50
9/23/2022	598.08	-	16.23	581.85
10/25/2022	598.08	-	15.59	582.49
11/8/2022	598.08	-	15.77	582.31
12/6/2022	598.08	-	14.24	583.84
1/19/2023	598.08	-	13.11	584.97
2/28/2023	598.08	-	13.80	584.28
3/23/2023	598.08	-	13.71	584.37
4/20/2023	598.08	-	13.55	584.53
5/10/2023	598.08	-	13.95	584.13
6/2/2023	598.08	-	14.44	583.64
7/7/2023	598.08	-	15.25	582.83
8/3/2023	598.08	-	15.51	582.57
9/29/2023	598.08	-	15.95	582.13
10/20/2023	598.08	-	15.91	582.17
11/16/2023	598.08	-	16.10	581.98
12/26/2023	598.08	-	15.48	582.60
1/31/2024	598.08	-	14.05	584.03
2/23/2024	598.08	-	14.02	584.06
3/6/2024	598.08	-	14.88	583.20
4/5/2024	598.08	-	14.95	583.13
5/20/2024	598.08	-	14.66	583.42
6/13/2024	598.08	-	14.95	583.13
7/12/2024	598.08	-	15.45	582.63
8/16/2024	598.08	-	15.57	582.51
9/20/2024	598.08	-	16.08	582.00
10/18/2024	598.08	-	16.37	581.71
11/22/2024	598.08	-	16.55	581.53
12/5/2024	598.08	-	16.50	581.58
1/3/2025	598.08	-	15.60	582.48
2/3/2025	598.08	-	15.86	582.22
3/12/2025	598.08	-	15.65	582.43
4/22/2025	598.08	-	15.10	582.98

Table 1
ESCP PZ-1 Gauging Data

ESCP PZ-3 (MW-OU4-1)				
Date	Measuring Point Elevation (ft msl) TOC	Depth to Product (ft) DTP	Depth to Water (ft) DTW	Corrected Elevation (ft msl)
1/23/2020	597.78	-	14.49	583.29
2/20/2020	597.78	-	14.57	583.21
3/13/2020	597.78	-	14.34	583.44
4/16/2020	597.78	-	14.29	583.49
5/14/2020	597.78	-	14.37	583.41
6/11/2020	597.78	-	13.75	584.03
7/9/2020	597.78	-	15.20	582.58
8/6/2020	597.78	-	15.04	582.74
9/10/2020	597.78	-	15.75	582.03
10/1/2020	597.78	-	15.91	581.87
11/5/2020	597.78	-	15.70	582.08
12/3/2020	597.78	-	15.87	581.91
1/19/2021	597.78	-	15.24	582.54
2/1/2021	597.78	-	15.38	582.40
3/8/2021	597.78	-	15.66	582.12
4/14/2021	597.78	-	15.34	582.44
5/11/2021	597.78	-	15.03	582.75
6/15/2021	597.78	-	15.34	582.44
7/12/2021	597.78	-	15.57	582.21
8/2/2021	597.78	-	14.65	583.13
9/9/2021	597.78	-	15.34	582.44
10/27/2021	597.78	-	14.59	583.19
11/11/2021	597.78	-	14.47	583.31
12/16/2021	597.78	-	14.49	583.29
1/5/2022	597.78	-	14.79	582.99
2/24/2022	597.78	-	14.07	583.71
3/18/2022	597.78	-	14.24	583.54
4/22/2022	597.78	-	14.53	583.25
5/5/2022	597.78	-	14.32	583.46
6/3/2022	597.78	-	14.48	583.30
7/22/2022	597.78	-	15.26	582.52
8/9/2022	597.78	-	15.59	582.19
9/23/2022	597.78	-	16.24	581.54
10/25/2022	597.78	-	15.58	582.20
11/8/2022	597.78	-	15.79	581.99
12/6/2022	597.78	-	14.30	583.48
1/19/2023	597.78	-	13.16	584.62
2/28/2023	597.78	-	13.87	583.91
3/23/2023	597.78	-	13.76	584.02
4/20/2023	597.78	-	13.61	584.17
5/10/2023	597.78	-	14.13	583.65
6/2/2023	597.78	-	14.48	583.3
7/7/2023	597.78	-	15.29	582.49
8/3/2023	597.78	-	15.53	582.25
9/29/2023	597.78	-	15.95	581.83
10/20/2023	597.78	-	15.89	581.89
11/16/2023	597.78	-	16.11	581.67
12/26/2023	597.78	-	15.51	582.27
1/31/2024	597.78	-	14.13	583.65
2/23/2024	597.78	-	14.10	583.68
3/6/2024	597.78	-	14.80	582.98
4/5/2024	597.78	-	14.93	582.85
5/20/2024	597.78	-	14.68	583.10
6/13/2024	597.78	-	14.98	582.80
7/12/2024	597.78	-	15.45	582.33
8/16/2024	597.78	-	15.57	582.21
9/20/2024	597.78	-	16.08	581.70
10/18/2024	597.78	-	16.37	581.41
11/22/2024	597.78	-	16.55	581.23
12/5/2024	597.78	-	16.55	581.23
1/3/2025	597.78	-	15.80	581.98
2/3/2025	597.78	-	15.86	581.92
3/12/2025	597.78	-	15.50	582.28
4/22/2025	597.78	-	15.10	582.68

Table 1
ESCP PZ-1 Gauging Data

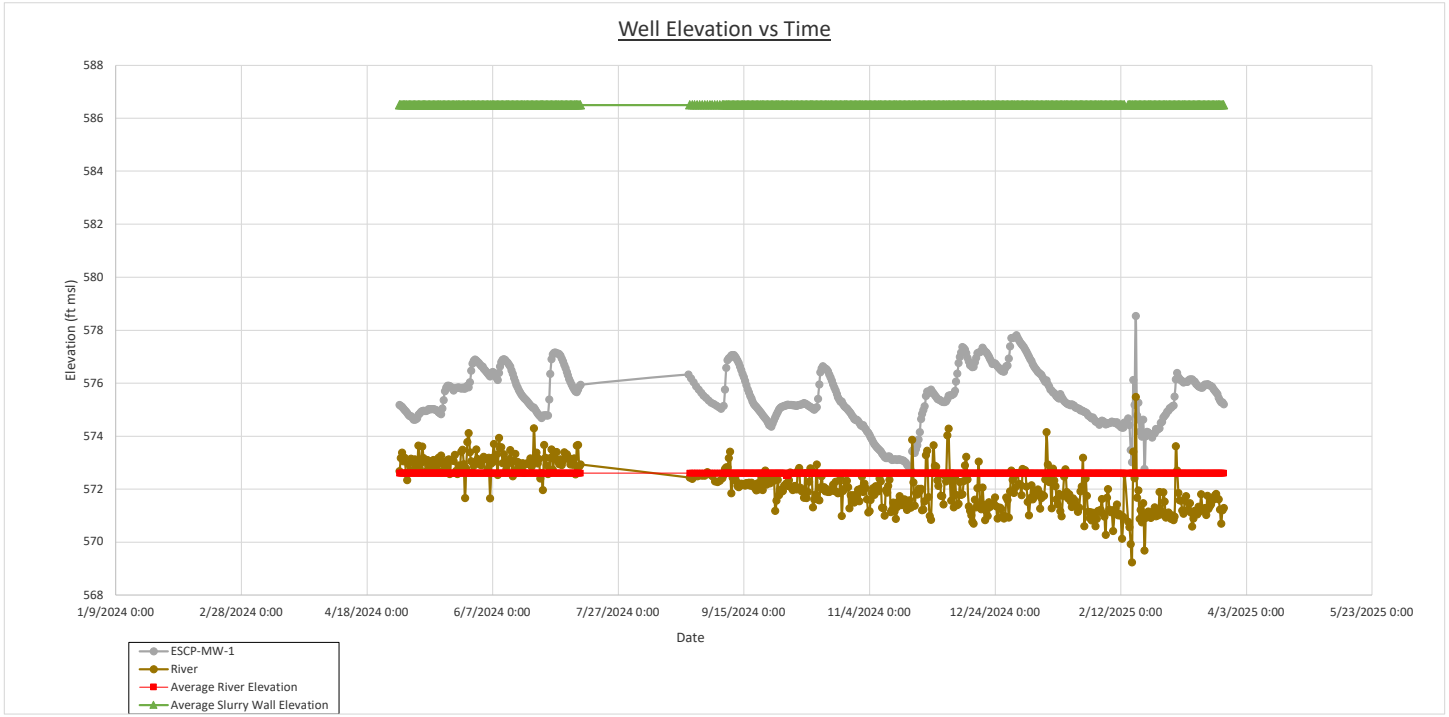
ESCP PZ-4				
Date	Measuring Point Elevation (ft msl) TOC	Depth to Product (ft) DTP	Depth to Water (ft) DTW	Corrected Elevation (ft msl)
1/23/2020	597.74	-	14.87	582.87
2/20/2020	597.74	-	14.75	582.99
3/13/2020	597.74	-	14.52	583.22
4/16/2020	597.74	-	14.56	583.18
5/14/2020	597.74	-	14.54	583.20
6/11/2020	597.74	-	13.97	583.77
7/9/2020	597.74	-	14.74	583.00
8/6/2020	597.74	-	15.19	582.55
9/10/2020	597.74	-	15.89	581.85
10/1/2020	597.74	-	16.07	581.67
11/5/2020	597.74	-	15.83	581.91
12/3/2020	597.74	-	16.02	581.72
1/19/2021	597.74	-	15.39	582.35
2/1/2021	597.74	-	15.54	582.20
3/8/2021	597.74	-	15.82	581.92
4/14/2021	597.74	-	15.51	582.23
5/11/2021	597.74	-	15.20	582.54
6/15/2021	597.74	-	15.51	582.23
7/12/2021	597.74	-	15.74	582.00
8/2/2021	597.74	-	14.87	582.87
9/9/2021	597.74	-	15.51	582.23
10/27/2021	597.74	-	14.79	582.95
11/11/2021	597.74	-	14.66	583.08
12/16/2021	597.74	-	14.70	583.04
1/5/2022	597.74	-	14.78	582.96
2/24/2022	597.74	-	14.31	583.43
3/18/2022	597.74	-	14.49	583.25
4/22/2022	597.74	-	14.76	582.98
5/5/2022	597.74	-	14.56	583.18
6/3/2022	597.74	-	14.68	583.06
7/22/2022	597.74	-	15.44	582.30
8/9/2022	597.74	-	15.74	582.00
9/23/2022	597.74	-	16.37	581.37
10/25/2022	597.74	-	15.72	582.02
11/8/2022	597.74	-	15.89	581.85
12/6/2022	597.74	-	14.53	583.21
1/19/2023	597.74	-	13.44	584.30
2/28/2023	597.74	-	14.11	583.63
3/23/2023	597.74	-	13.99	583.75
4/20/2023	597.74	-	13.83	583.91
5/10/2023	597.74	-	14.23	583.51
6/2/2023	597.74	-	14.69	583.05
7/7/2023	597.74	-	15.45	582.29
8/3/2023	597.74	-	15.66	582.08
9/29/2023	597.74	-	16.07	581.67
10/20/2023	597.74	-	16.04	581.7
11/16/2023	597.74	-	16.21	581.53
12/26/2023	597.74	-	15.68	582.06
1/31/2024	597.74	-	14.48	583.26
2/23/2024	597.74	-	14.32	583.42
3/6/2024	597.74	-	15.38	582.36
4/5/2024	597.74	-	16.38	581.36
5/20/2024	597.74	-	14.82	582.92
6/13/2024	597.74	-	15.13	582.61
7/12/2024	597.74	-	15.60	582.14
8/16/2024	597.74	-	15.67	582.07
9/20/2024	597.74	-	16.20	581.54
10/18/2024	597.74	-	16.50	581.24
11/22/2024	597.74	-	16.70	581.04
12/5/2023	597.74	-	16.63	581.11
1/3/2025	597.74	-	15.78	581.96
2/3/2025	597.74	-	16.00	581.74
3/12/2025	597.74	-	15.65	582.09
4/22/2025	597.74	-	15.30	582.44

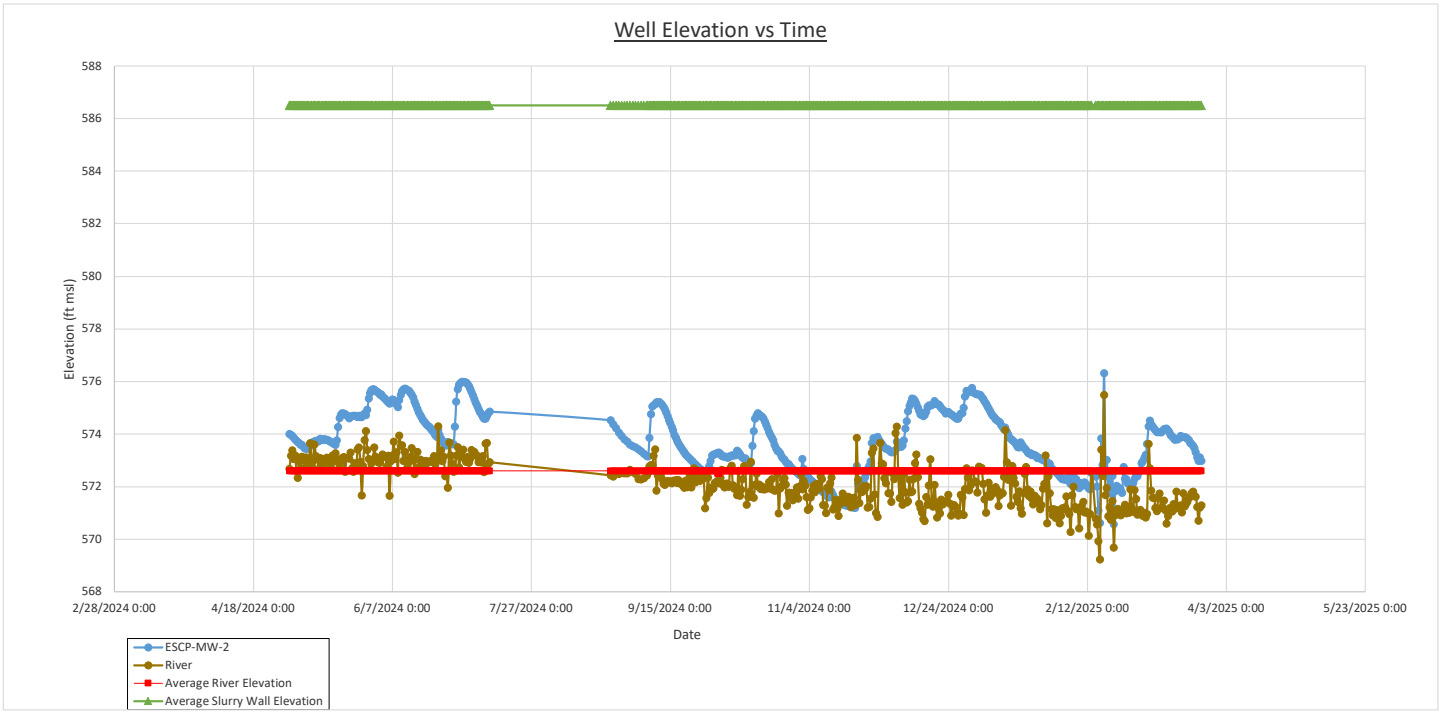
Table 1
ESCP PZ-1 Gauging Data

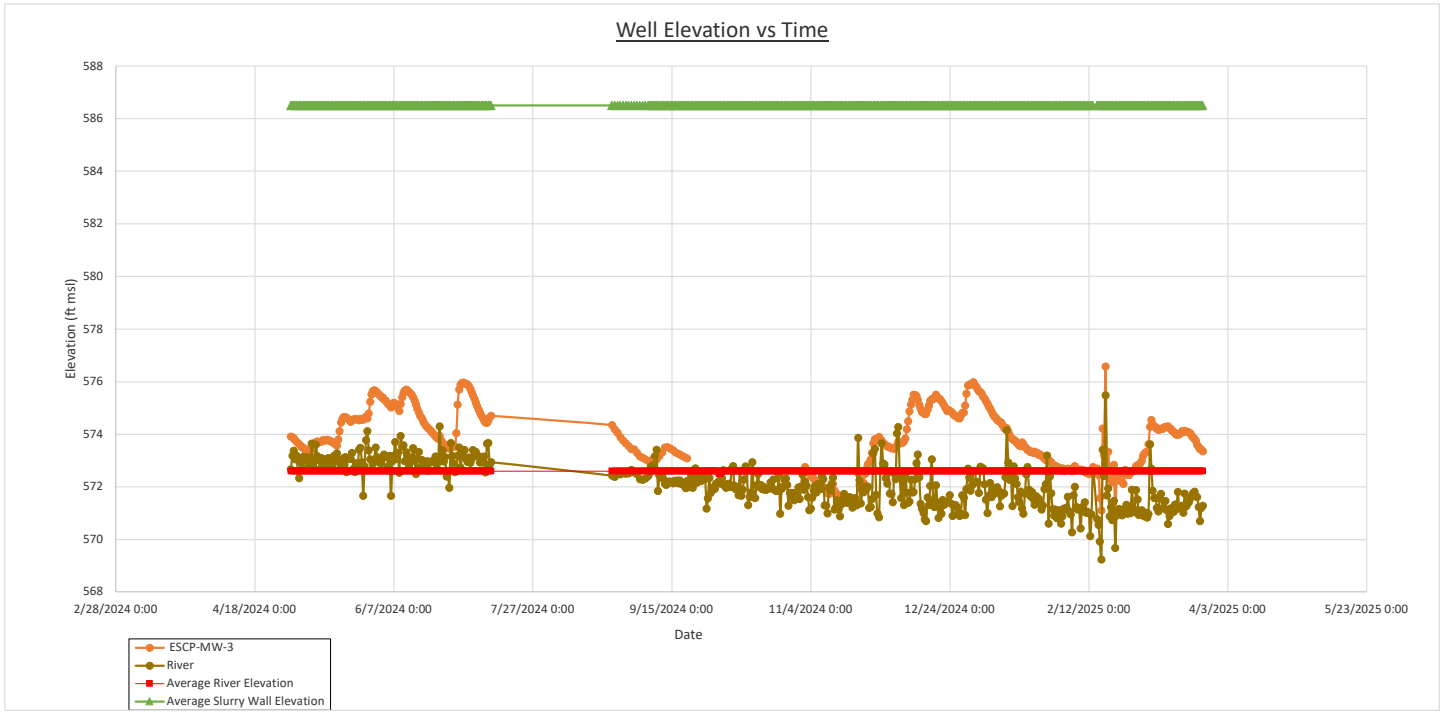
ESCP PZ-5				
Date	Measuring Point Elevation (ft msl) TOC	Depth to Product (ft) DTP	Depth to Water (ft) DTW	Corrected Elevation (ft msl)
1/23/2020	597.77	-	23.18	574.59
2/20/2020	597.77	-	23.00	574.77
3/13/2020	597.77	-	22.35	575.42
4/16/2020	597.77	-	22.33	575.44
5/14/2020	597.77	-	22.79	574.98
6/11/2020	597.77	-	21.57	576.20
7/9/2020	597.77	-	22.85	574.92
8/6/2020	597.77	-	23.13	574.64
9/10/2020	597.77	-	23.85	573.92
10/1/2020	597.77	-	23.14	574.63
11/5/2020	597.77	-	23.93	573.84
12/3/2020	597.77	-	23.48	574.29
1/19/2021	597.77	-	23.55	574.22
2/1/2021	597.77	-	24.76	573.01
3/8/2021	597.77	-	24.77	573.00
4/14/2021	597.77	-	24.27	573.50
5/11/2021	597.77	-	23.88	573.89
6/15/2021	597.77	-	24.16	573.61
7/12/2021	597.77	-	24.28	573.49
8/2/2021	597.77	-	23.46	574.31
9/9/2021	597.77	-	24.12	573.65
10/27/2021	597.77	-	23.66	574.11
11/11/2021	597.77	-	23.79	573.98
12/16/2021	597.77	-	23.83	573.94
1/5/2022	597.77	-	23.68	574.09
2/24/2022	597.77	-	22.86	574.91
3/18/2022	597.77	-	24.19	573.58
4/22/2022	597.77	-	24.08	573.69
5/5/2022	597.77	-	23.81	573.96
6/3/2022	597.77	-	23.76	574.01
7/22/2022	597.77	-	24.19	573.58
8/9/2022	597.77	-	24.57	573.20
9/23/2022	597.77	-	25.23	572.54
10/25/2022	597.77	-	25.21	572.56
11/8/2022	597.77	-	25.56	572.21
12/6/2022	597.77	-	24.41	573.36
1/19/2023	597.77	-	23.96	573.81
2/28/2023	597.77	-	24.03	573.74
3/23/2023	597.77	-	23.52	574.25
4/20/2023	597.77	-	23.45	574.32
5/10/2023	597.77	-	23.84	573.93
6/2/2023	597.77	-	24.11	573.66
7/7/2023	597.77	-	24.43	573.34
8/3/2023	597.77	-	24.39	573.38
9/29/2023	597.77	-	25.11	572.66
10/20/2023	597.77	-	25.13	572.64
11/16/2023	597.77	-	25.42	572.35
12/26/2023	597.77	-	25.44	572.33
1/31/2024	597.77	-	23.59	574.18
2/23/2024	597.77	-	24.30	573.47
3/6/2024	597.77	-	25.04	572.73
4/5/2024	597.77	-	24.67	573.10
5/20/2024	597.77	-	24.20	573.57
6/13/2024	597.77	-	24.12	573.65
7/12/2024	597.77	-	24.35	573.42
8/16/2024	597.77	-	25.63	572.14
9/20/2024	597.77	-	25.35	572.42
10/18/2024	597.77	-	25.70	572.07
11/22/2024	597.77	-	16.70	581.07
12/5/2024	597.77	-	25.20	572.57
1/3/2025	597.77	-	25.25	572.52
2/3/2025	597.77	-	25.10	572.67
3/12/2025	597.77	-	25.58	572.19
4/22/2025	597.77	-	24.90	572.87

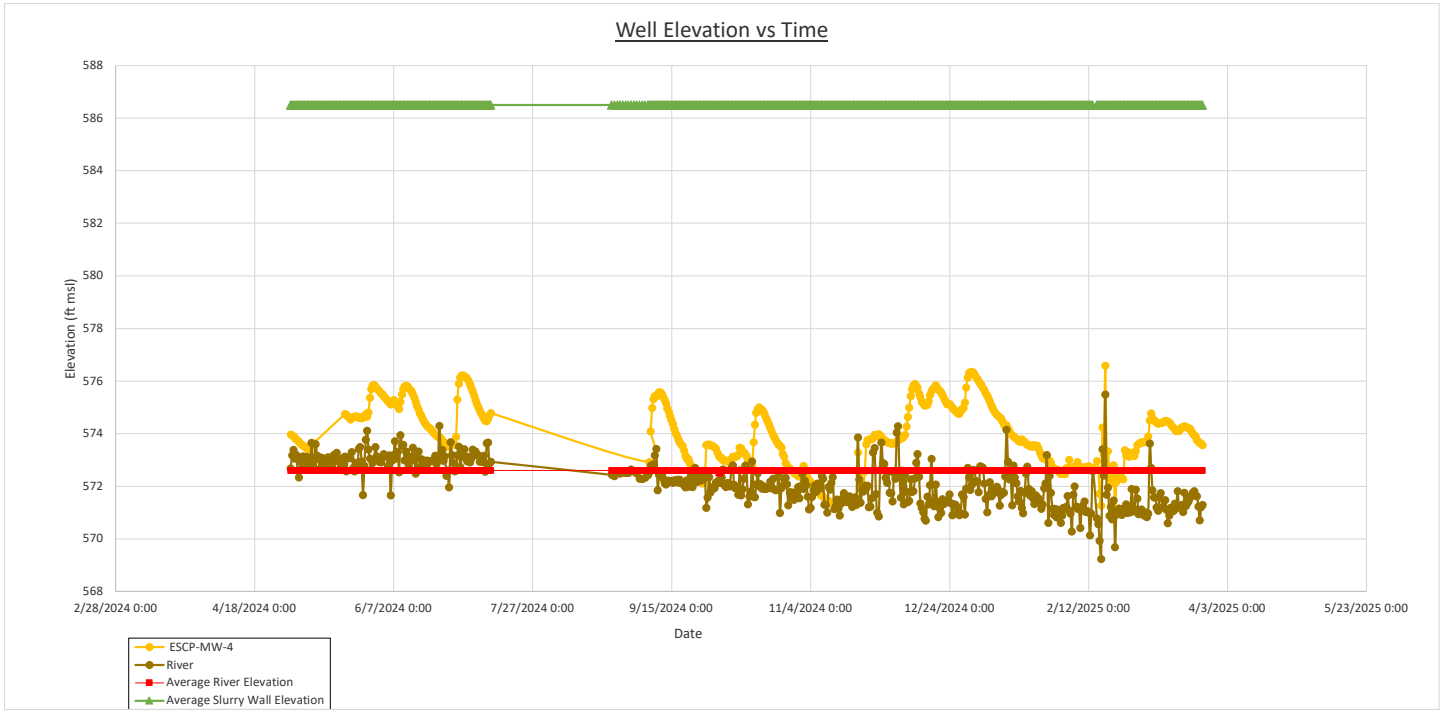
Table 1
ESCP PZ-1 Gauging Data

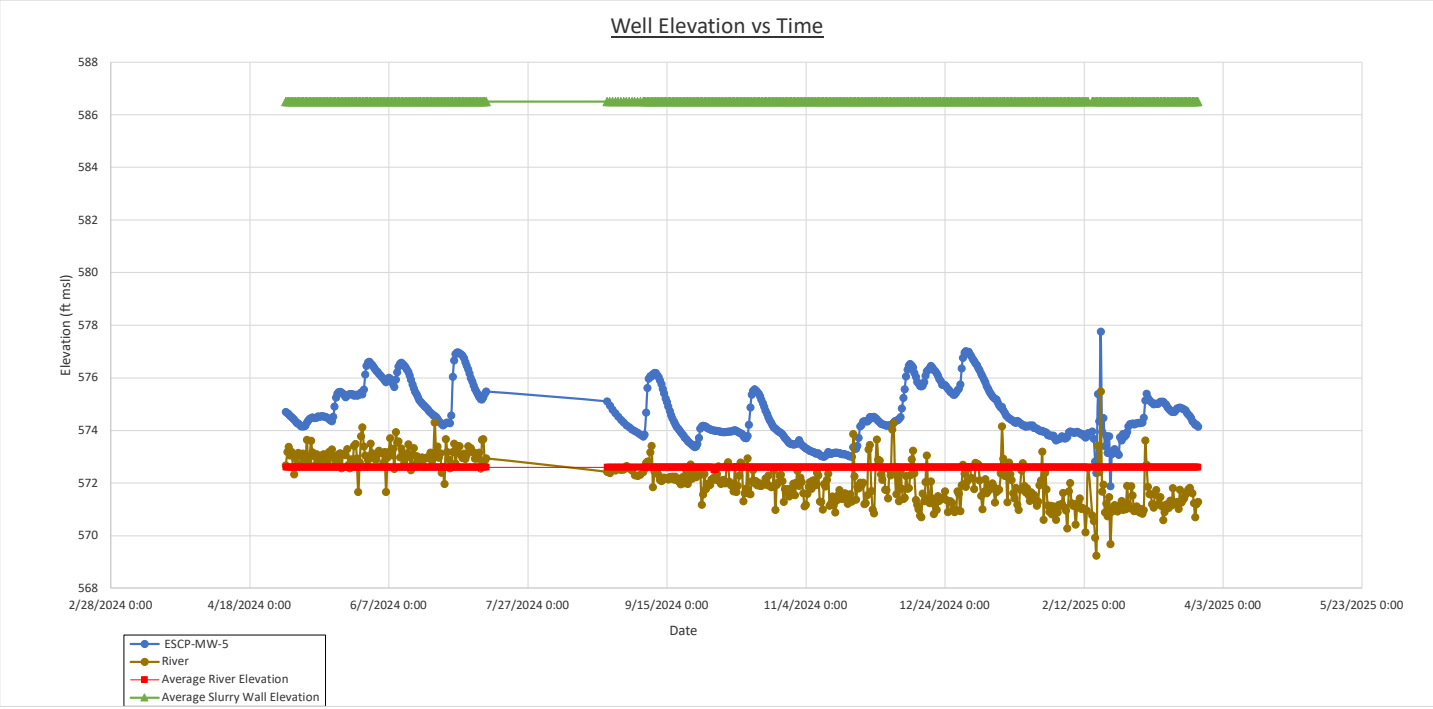
River				
Date	Measuring Point Elevation (ft msl) TOC	Depth to Product (ft) DTP	Depth to Water (ft) DTW	Corrected Elevation (ft msl)
5/11/2021	584.32		11.05	573.27
6/15/2021	584.32		11.35	572.97
7/12/2021	584.32		11.20	573.12
8/2/2021	584.32		10.60	573.72
9/9/2021	584.32		10.65	573.67
10/27/2021	584.32		11.10	573.22
11/11/2021	584.32		11.55	572.77
12/16/2021	584.32		11.25	573.07
1/5/2022	584.32		11.00	573.32
2/24/2022	584.32		12.55	571.77
3/18/2022	584.32		12.10	572.22
4/22/2022	584.32		11.80	572.52
5/5/2022	584.32	-	11.55	572.77
6/3/2022	584.32	-	11.15	573.17
7/22/2022	584.32	-	10.95	573.37
8/9/2022	584.32	-	10.80	573.52
9/23/2022	584.32	-	12.65	571.67
10/25/2022	584.32	-	13.20	571.12
11/8/2022	584.32	-	13.05	571.27
12/6/2022	584.32	-	13.00	571.32
1/19/2023	584.32	-	14.50	569.82
2/28/2023	584.32	-	12.56	571.76
3/23/2023	584.32	-	11.91	572.41
4/20/2023	584.32	-	12.41	571.91
5/10/2023	584.32	-	12.13	572.19
6/2/2023	584.32	-	11.73	572.59
7/7/2023	584.32	-	11.32	573.00
8/3/2023	584.32	-	11.45	572.87
9/29/2023	584.32	-	12.34	571.98
10/20/2023	584.32	-	12.39	571.93
11/16/2023	584.32	-	13.04	571.28
12/26/2023	584.32	-	13.02	571.30
1/31/2024	584.32	-	12.17	572.15
2/23/2024	584.32	-	11.80	572.52
3/6/2024	584.32	-	12.21	572.11
4/5/2024	584.32	-	11.78	572.54
5/20/2024	584.32	-	11.62	572.70
6/13/2024	584.32	-	11.51	572.81
7/12/2024	584.32	-	11.20	573.12
8/16/2024	584.32	-	11.75	572.57
9/20/2024	584.32	-	12.50	571.82
10/18/2024	584.32	-	12.65	571.67
11/22/2024	584.32	-	12.70	571.62
12/5/2025	584.32	-	11.85	572.47
1/3/2025	584.32	-	11.96	572.36
2/3/2025	584.32	-	13.45	570.87
3/12/2025	584.32	-	13.61	570.71
4/22/2025	584.32	-	12.13	572.19

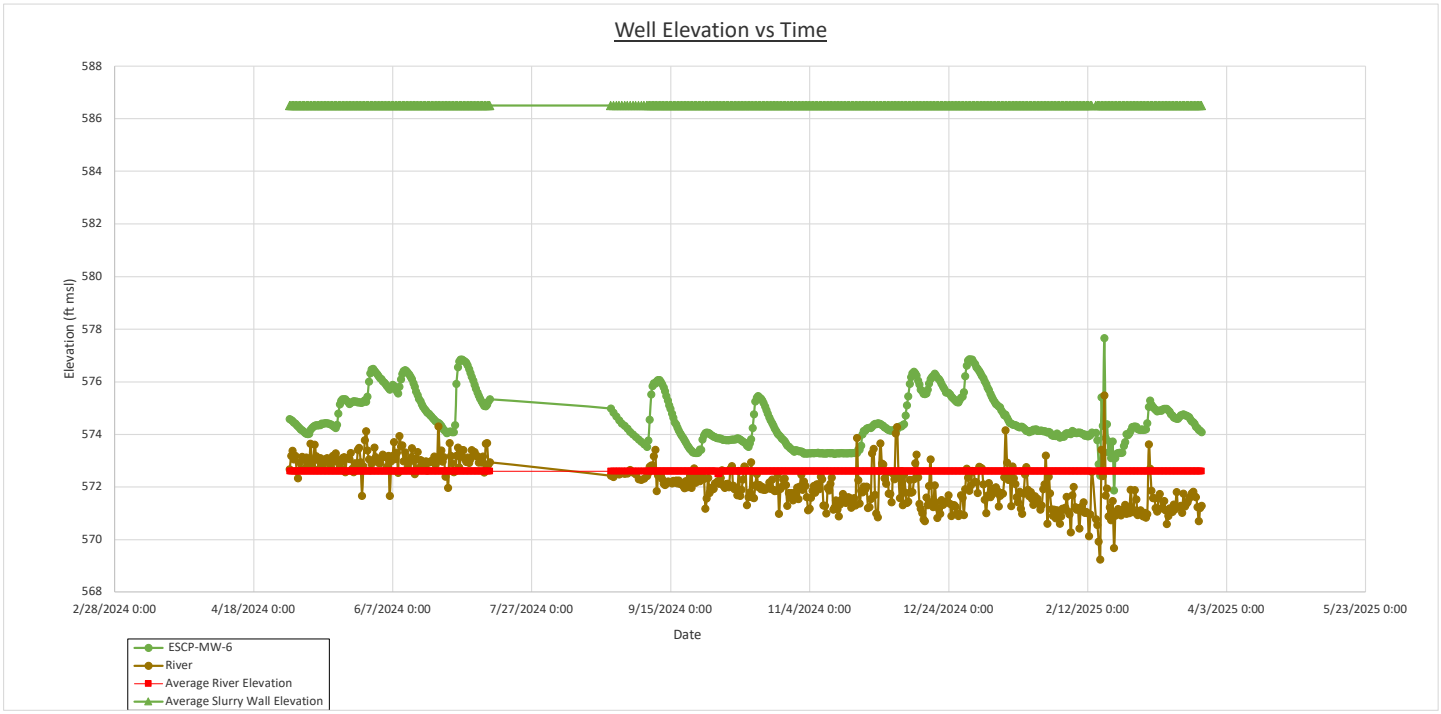

Well Elevation vs Time
588
586
584
582
580
578
576
574
572
570
568
Elevation (ft msl)
1/9/2024 0:00
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
ESCP-MW-1
River
Average River Elevation
Average Slurry Wall Elevation

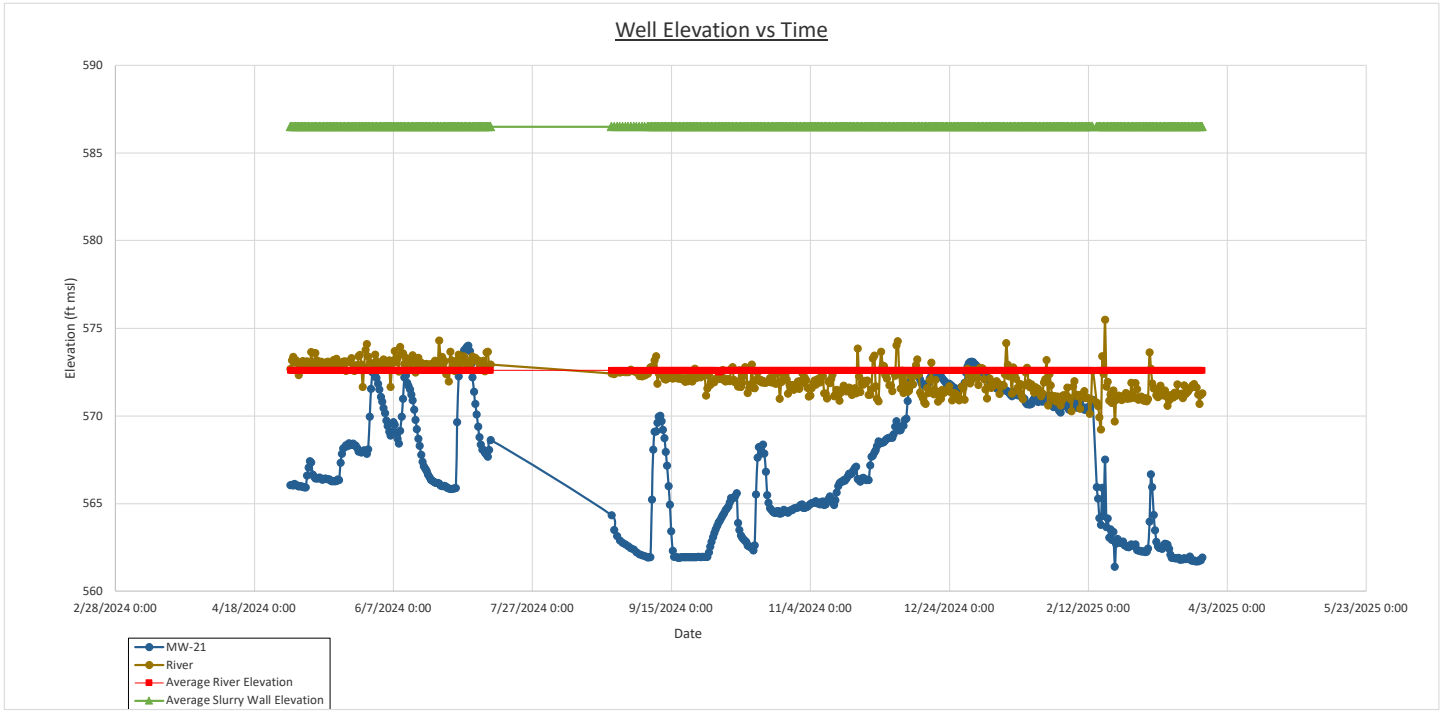

Well Elevation vs Time
588
586
584
582
580
578
576
574
572
570
568
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
ESCP-MW-2
River
Average River Elevation
Average Slurry Wall Elevation

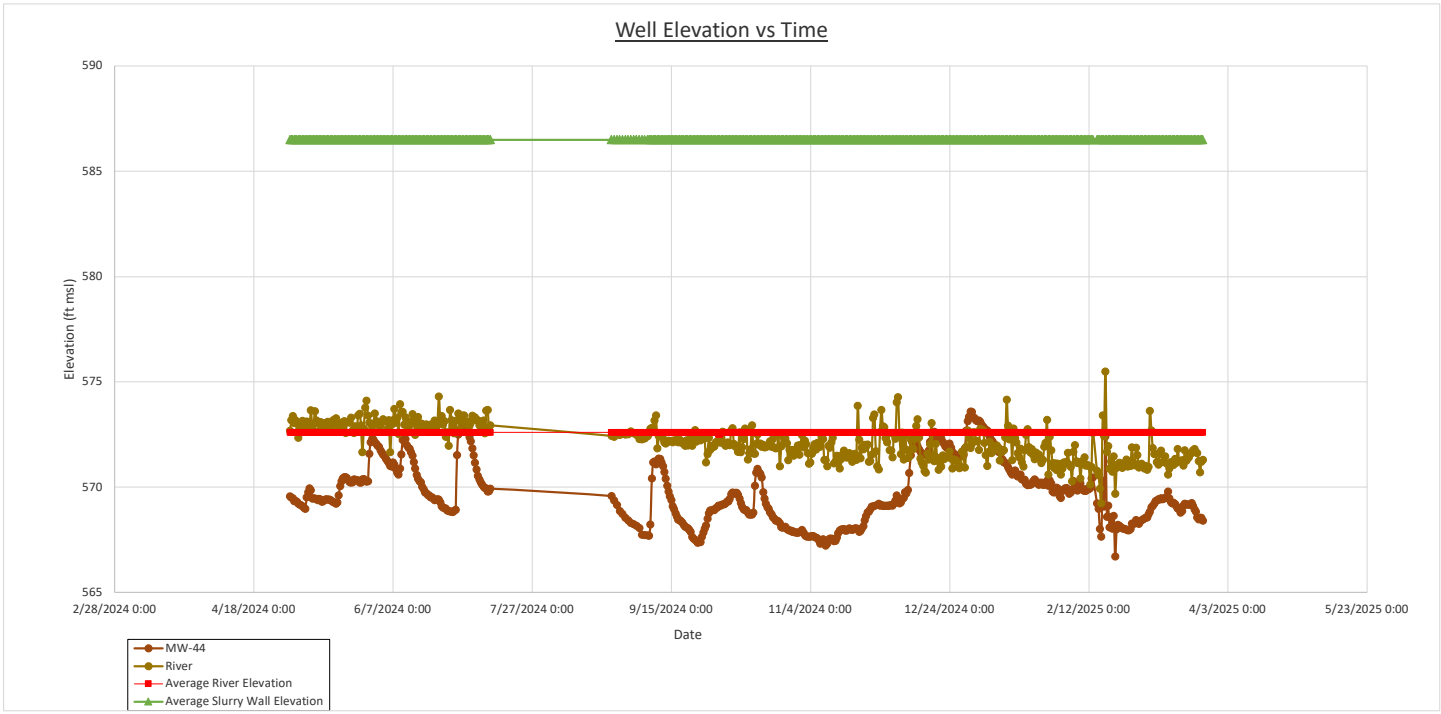

Well Elevation vs Time
588
586
584
582
580
578
576
574
572
570
568
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
ESCP-MW-3
River
Average River Elevation
Average Slurry Wall Elevation

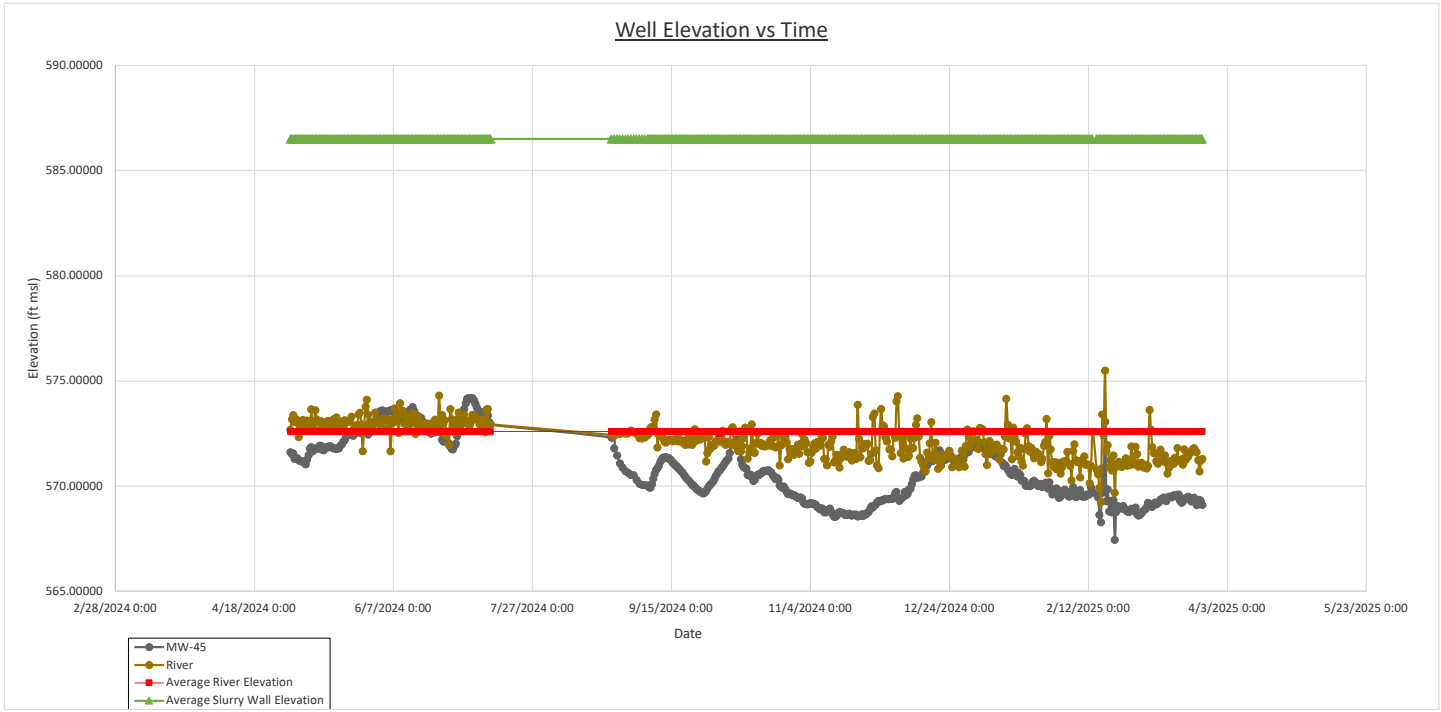

Well Elevation vs Time
588
586
584
582
580
578
576
574
572
570
568
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
ESCP-MW-4
River
Average River Elevation
Average Slurry Wall Elevation


Well Elevation vs Time
588
586
584
582
580
578
576
574
572
570
568
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
ESCP-MW-5
River
Average River Elevation
Average Slurry Wall Elevation


Well Elevation vs Time
588
586
584
582
580
578
576
574
572
570
568
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
ESCP-MW-6
River
Average River Elevation
Average Slurry Wall Elevation


Well Elevation vs Time
590
585
580
575
570
565
560
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
MW-21
River
Average River Elevation
Average Slurry Wall Elevation


Well Elevation vs Time
590
585
580
575
570
565
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
MW-44
River
Average River Elevation
Average Slurry Wall Elevation


Well Elevation vs Time
590.00000
585.00000
580.00000
575.00000
570.00000
565.00000
Elevation (ft msl)
2/28/2024 0:00
4/18/2024 0:00
6/7/2024 0:00
7/27/2024 0:00
9/15/2024 0:00
11/4/2024 0:00
12/24/2024 0:00
2/12/2025 0:00
4/3/2025 0:00
5/23/2025 0:00
Date
MW-45
River
Average River Elevation
Average Slurry Wall Elevation

ESCP-MW-1			ESCP-MW-2			ESCP-MW-3		
TOC Elevation	585.79		TOC Elevation	586.26		TOC Elevation	586.22	
5/1/2024 0:00	10.61045482	575.1795452	5/1/2024 0:00	12.26777111	573.9922289	5/1/2024 0:00	12.3109688	573.9090312
5/1/2024 12:00	10.65392595	575.136074	5/1/2024 12:00	12.30358694	573.9564131	5/1/2024 12:00	12.33338787	573.8866121
5/2/2024 0:00	10.690562	575.099438	5/2/2024 0:00	12.33830917	573.9216908	5/2/2024 0:00	12.37193774	573.8480623
5/2/2024 12:00	10.75317136	575.0368286	5/2/2024 12:00	12.3990047	573.8609953	5/2/2024 12:00	12.44603004	573.77397
5/3/2024 0:00	10.81003925	574.9799608	5/3/2024 0:00	12.46926936	573.7907306	5/3/2024 0:00	12.50481176	573.7151882
5/3/2024 12:00	10.85487739	574.9351226	5/3/2024 12:00	12.52367662	573.7363234	5/3/2024 12:00	12.5573052	573.6626948
5/4/2024 0:00	10.91858037	574.8714196	5/4/2024 0:00	12.57206901	573.687931	5/4/2024 0:00	12.60378376	573.6162162
5/4/2024 12:00	10.98501738	574.8049826	5/4/2024 12:00	12.61936778	573.6406322	5/4/2024 12:00	12.66639312	573.5536069
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7/3/2024 0:00	8.674485881	577.1155141	7/3/2024 0:00	10.28395659	575.9760434	7/3/2024 0:00	10.3041884	575.9158116
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7/4/2024 12:00	8.862040562	576.9279594	7/4/2024 12:00	10.44089009	575.8191099	7/4/2024 12:00	10.50322602	575.716774
7/5/2024 0:00	8.977143362	576.8128566	7/5/2024 0:00	10.54259613	575.7174039	7/5/2024 0:00	10.61450117	575.6054988
7/5/2024 12:00	9.105096117	576.6849039	7/5/2024 12:00	10.66672124	575.5932788	7/5/2024 12:00	10.7405401	575.4794599
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3/1/2025 0:00	11.08344257	574.7065574	3/1/2025 0:00	13.96560575	572.2943942	3/1/2025 0:00	13.44121814	572.7787819
3/1/2025 12:00	11.02602788	574.7639721	3/1/2025 12:00	13.80675842	572.4532416	3/1/2025 12:00	13.40020765	572.8197924
3/2/2025 0:00	10.96451213	574.8254879	3/2/2025 0:00	13.87155501	572.388445	3/2/2025 0:00	13.40075445	572.8192455
3/2/2025 12:00	10.87319542	574.9168046	3/2/2025 12:00	13.7228236	572.5371764	3/2/2025 12:00	13.32912278	572.8908772
3/3/2025 0:00	10.83491895	574.955081	3/3/2025 0:00	13.63287391	572.6271261	3/3/2025 0:00	13.23370502	572.986295
3/3/2025 12:00	10.74141502	575.048585	3/3/2025 12:00	13.37286735	572.8871327	3/3/2025 12:00	13.04095568	573.1790443
3/4/2025 0:00	10.72200338	575.0679966	3/4/2025 0:00	13.29604101	572.963959	3/4/2025 0:00	12.95592724	573.2640728
3/4/2025 12:00	10.66513549	575.1248645	3/4/2025 12:00	13.16453401	573.095466	3/4/2025 12:00	12.90890187	573.3110981
3/5/2025 0:00	10.63697495	575.1530251	3/5/2025 0:00	13.05025142	573.2097486	3/5/2025 0:00	12.88839662	573.3316034
3/5/2025 12:00	10.30725054	575.4827495	3/5/2025 12:00	12.64014644	573.6198536	3/5/2025 12:00	12.60433057	573.6156694
3/6/2025 0:00	9.651902767	576.1380972	3/6/2025 0:00	11.97331573	574.2866843	3/6/2025 0:00	11.93011797	574.289882
3/6/2025 12:00	9.412128051	576.3778719	3/6/2025 12:00	11.74502395	574.514976	3/6/2025 12:00	11.68405498	574.535945
3/7/2025 0:00	9.56249988	576.2275001	3/7/2025 0:00	11.89348196	574.366518	3/7/2025 0:00	11.83606723	574.3839328
3/7/2025 12:00	9.633037937	576.1569621	3/7/2025 12:00	11.97741678	574.2825832	3/7/2025 12:00	11.9246499	574.2953501
3/8/2025 0:00	9.681977132	576.1080229	3/8/2025 0:00	12.05123568	574.2087643	3/8/2025 0:00	11.95089662	574.2691034
3/8/2025 12:00	9.722440824	576.0675592	3/8/2025 12:00	12.11657907	574.1434209	3/8/2025 12:00	12.00202304	574.217977
3/9/2025 0:00	9.775754473	576.0142455	3/9/2025 0:00	12.18903095	574.070969	3/9/2025 0:00	12.05096224	574.1690378
3/9/2025 12:00	9.745406704	576.0445933	3/9/2025 12:00	12.18356289	574.0764371	3/9/2025 12:00	12.0315506	574.1884494
3/10/2025 0:00	9.7451333	576.0448667	3/10/2025 0:00	12.19477242	574.0652276	3/10/2025 0:00	12.01323258	574.2067674
3/10/2025 12:00	9.741305654	576.0486943	3/10/2025 12:00	12.19860007	574.0613999	3/10/2025 12:00	12.0151464	574.2048536
3/11/2025 0:00	9.683070746	576.1069293	3/11/2025 0:00	12.15376192	574.1062381	3/11/2025 0:00	11.97823695	574.241763
3/11/2025 12:00	9.64807512	576.1419249	3/11/2025 12:00	12.07857601	574.181424	3/11/2025 12:00	11.93093818	574.2890618
3/12/2025 0:00	9.66365911	576.1263409	3/12/2025 0:00	12.07310794	574.1868921	3/12/2025 0:00	11.9410541	574.2789459
3/12/2025 12:00	9.653269783	576.1367302	3/12/2025 12:00	12.0531495	574.2068505	3/12/2025 12:00	11.92164247	574.2983575
3/13/2025 0:00	9.704669608	576.0853304	3/13/2025 0:00	12.12942903	574.130571	3/13/2025 0:00	11.99108691	574.2289131
3/13/2025 12:00	9.738845024	576.051155	3/13/2025 12:00	12.20379473	574.0562053	3/13/2025 12:00	12.02170808	574.1982919
3/14/2025 0:00	9.819772408	575.9702276	3/14/2025 0:00	12.30577417	573.9542258	3/14/2025 0:00	12.09853442	574.1214656
3/14/2025 12:00	9.86433715	575.9256629	3/14/2025 12:00	12.36182185	573.8981781	3/14/2025 12:00	12.13216303	574.087837
3/15/2025 0:00	9.915736975	575.874263	3/15/2025 0:00	12.41896315	573.8410369	3/15/2025 0:00	12.19258516	574.0274148
3/15/2025 12:00	9.942803904	575.8471961	3/15/2025 12:00	12.4804789	573.7795211	3/15/2025 12:00	12.24316478	573.9768352
3/16/2025 0:00	9.960301717	575.8296983	3/16/2025 0:00	12.45395877	573.8060412	3/16/2025 0:00	12.23797011	573.9820299
3/16/2025 12:00	9.965222977	575.824777	3/16/2025 12:00	12.47036297	573.789637	3/16/2025 12:00	12.22512016	573.9948798
3/17/2025 0:00	9.895231726	575.8947683	3/17/2025 0:00	12.42142378	573.8385762	3/17/2025 0:00	12.18082882	574.0391712
3/17/2025 12:00	9.839457447	575.9505426	3/17/2025 12:00	12.33885597	573.921144	3/17/2025 12:00	12.10892374	574.1110763

3/18/2025 0:00	9.862423327	575.9275767	3/18/2025 0:00	12.38096009	573.8790399	3/18/2025 0:00	12.13653748	574.0834625
3/18/2025 12:00	9.826607491	575.9633925	3/18/2025 12:00	12.36619631	573.8938037	3/18/2025 12:00	12.09826101	574.121739
3/19/2025 0:00	9.859962697	575.9300373	3/19/2025 0:00	12.3899824	573.8700176	3/19/2025 0:00	12.11821946	574.1017805
3/19/2025 12:00	9.87417967	575.9158203	3/19/2025 12:00	12.39463025	573.8653697	3/19/2025 12:00	12.13544387	574.0845561
3/20/2025 0:00	9.897145549	575.8928545	3/20/2025 0:00	12.4482173	573.8117827	3/20/2025 0:00	12.15321508	574.0667849
3/20/2025 12:00	9.937062434	575.8529376	3/20/2025 12:00	12.49196184	573.7680382	3/20/2025 12:00	12.19094474	574.0290553
3/21/2025 0:00	10.01826322	575.7717368	3/21/2025 0:00	12.60378379	573.6562162	3/21/2025 0:00	12.2696849	573.9503151
3/21/2025 12:00	10.08524704	575.704753	3/21/2025 12:00	12.64397408	573.6160259	3/21/2025 12:00	12.34268359	573.8773164
3/22/2025 0:00	10.14074791	575.6492521	3/22/2025 0:00	12.71861319	573.5413868	3/22/2025 0:00	12.39517702	573.824823
3/22/2025 12:00	10.20363068	575.5863693	3/22/2025 12:00	12.79489272	573.4651073	3/22/2025 12:00	12.47583101	573.744169
3/23/2025 0:00	10.34990145	575.4400985	3/23/2025 0:00	12.96030173	573.2996983	3/23/2025 0:00	12.61061884	573.6093812
3/23/2025 12:00	10.44477241	575.3452276	3/23/2025 12:00	13.15086385	573.1091362	3/23/2025 12:00	12.71068446	573.5093155
3/24/2025 0:00	10.52132534	575.2686747	3/24/2025 0:00	13.2867453	572.9732547	3/24/2025 0:00	12.78368315	573.4363169
3/24/2025 12:00	10.52378597	575.266214	3/24/2025 12:00	13.15715212	573.1028479	3/24/2025 12:00	12.79352567	573.4264743
3/25/2025 0:00	10.59022298	575.199777	3/25/2025 0:00	13.28483148	572.9751685	3/25/2025 0:00	12.86843818	573.3515618

An issue occurred on 3/25/2025 at 12:00 PM, troubleshooting is still ongoing for this and the graphs reflect this data gap.

It should also be noted that ESCP MW-3 and ESCP MW-4 had data gaps, this was due to the storage being full on the transducer and was resolved

ESCP-MW-4			ESCP-MW-5			ESCP-MW-6		
TOC Elevation	586.35		TOC Elevation	585.99		TOC Elevation	586.14	
5/1/2024 2:31	12.38463618	573.9653638	5/1/2024 0:00	11.29697059	574.6930294	5/1/2024 0:00	11.56244523	574.5775548
5/1/2024 14:31	12.42520149	573.9247985	5/1/2024 12:00	11.34044172	574.6495583	5/1/2024 12:00	11.59826107	574.5417389
5/2/2024 2:31	12.4581352	573.8918648	5/2/2024 0:00	11.37707776	574.6129222	5/2/2024 0:00	11.63681094	574.5031891
5/2/2024 14:31	12.52975069	573.8202493	5/2/2024 12:00	11.43394565	574.5560543	5/2/2024 12:00	11.69559265	574.4444073
5/3/2024 2:31	12.57305322	573.7769468	5/3/2024 0:00	11.4869859	574.5030141	5/3/2024 0:00	11.73906378	574.4009362
5/3/2024 14:31	12.61643572	573.7335643	5/3/2024 12:00	11.53947934	574.4505207	5/3/2024 12:00	11.7896434	574.3503566
5/4/2024 2:31	12.6777332	573.6722668	5/4/2024 0:00	11.5859579	574.4040421	5/4/2024 0:00	11.83803578	574.3019642
5/4/2024 14:31	12.73585898	573.614141	5/4/2024 12:00	11.65430873	574.3356913	5/4/2024 12:00	11.89873132	574.2412687
5/5/2024 2:31	12.79260908	573.5573909	5/5/2024 0:00	11.71199683	574.2780032	5/5/2024 0:00	11.96024707	574.1797529
5/5/2024 14:31	12.81337474	573.5366253	5/5/2024 12:00	11.72457339	574.2654266	5/5/2024 12:00	11.98430656	574.1556934
5/6/2024 2:31	12.86246522	573.4875348	5/6/2024 0:00	11.78390191	574.2060981	5/6/2024 0:00	12.03215214	574.1078479
5/6/2024 14:31	12.90458665	573.4454134	5/6/2024 12:00	11.83830917	574.1516908	5/6/2024 12:00	12.08655941	574.0534406
5/7/2024 2:31	12.93153579	573.4184642	5/7/2024 0:00	11.84459745	574.1454026	5/7/2024 0:00	12.12538268	574.0146173
5/7/2024 14:31	12.90639134	573.4436087	5/7/2024 12:00	11.83448152	574.1555185	5/7/2024 12:00	12.13249116	574.0075088
5/8/2024 2:31	12.89060412	573.4593959	5/8/2024 0:00	11.81124224	574.1787578	5/8/2024 0:00	12.12647629	574.0135237
5/8/2024 14:31	12.75224586	573.5977541	5/8/2024 12:00	11.68957776	574.3004222	5/8/2024 12:00	11.97993211	574.1600679
5/9/2024 2:31	12.72211317	573.6278868	5/9/2024 0:00	11.61985991	574.3701401	5/9/2024 0:00	11.89873132	574.2412687
			5/9/2024 12:00	11.56217181	574.4278282	5/9/2024 12:00	11.84869851	574.2913015
			5/10/2024 0:00	11.52744959	574.4625504	5/10/2024 0:00	11.82163158	574.3183684
			5/10/2024 12:00	11.49901564	574.4909844	5/10/2024 12:00	11.79702528	574.3429747
			5/11/2024 0:00	11.52307514	574.4669249	5/11/2024 0:00	11.80003272	574.3399673
			5/11/2024 12:00	11.5282698	574.4617302	5/11/2024 12:00	11.79757209	574.3424279
			5/12/2024 0:00	11.51241241	574.4775876	5/12/2024 0:00	11.79128382	574.3487162
			5/12/2024 12:00	11.46702746	574.5229725	5/12/2024 12:00	11.73824357	574.4017564
			5/13/2024 0:00	11.47003489	574.5199651	5/13/2024 0:00	11.73933718	574.4006628
			5/13/2024 12:00	11.46101258	574.5289874	5/13/2024 12:00	11.72648723	574.4135128
			5/14/2024 0:00	11.445702	574.544298	5/14/2024 0:00	11.71883193	574.4211681
			5/14/2024 12:00	11.45554452	574.5344555	5/14/2024 12:00	11.72293298	574.417067
			5/15/2024 0:00	11.47386254	574.5161375	5/15/2024 0:00	11.73168189	574.4083181
			5/15/2024 12:00	11.49054014	574.4994599	5/15/2024 12:00	11.75410096	574.385899
			5/16/2024 0:00	11.51952089	574.4704791	5/16/2024 0:00	11.7735126	574.3664874
			5/16/2024 12:00	11.56463244	574.4253676	5/16/2024 12:00	11.8147965	574.3252035
			5/17/2024 0:00	11.60454933	574.3854507	5/17/2024 0:00	11.86045486	574.2795451
			5/17/2024 12:00	11.64856726	574.3414327	5/17/2024 12:00	11.89873132	574.2412687
			5/18/2024 0:00	11.47440935	574.5155907	5/18/2024 0:00	11.77624663	574.3637534
			5/18/2024 12:00	11.08207557	574.9079244	5/18/2024 12:00	11.35711934	574.7828807
			5/19/2024 0:00	10.73731398	575.252686	5/19/2024 0:00	11.00470245	575.1352975
			5/19/2024 12:00	10.60143253	575.3885675	5/19/2024 12:00	10.868821	575.271179
			5/20/2024 0:00	10.53062107	575.4593789	5/20/2024 0:00	10.80375101	575.336249
5/20/2024 12:00	11.6090331	574.7409669	5/20/2024 12:00	10.52734023	575.4626598	5/20/2024 12:00	10.80429781	575.3357022
5/21/2024 0:00	11.6341862	574.7158138	5/21/2024 0:00	10.54620506	575.4437949	5/21/2024 0:00	10.81359353	575.3264065
5/21/2024 12:00	11.68886687	574.6611331	5/21/2024 12:00	10.59733148	575.3926685	5/21/2024 12:00	10.86280612	575.2771939
5/22/2024 0:00	11.73807947	574.6119205	5/22/2024 0:00	10.65556639	575.3344336	5/22/2024 0:00	10.91721339	575.2227866
5/22/2024 12:00	11.81107816	574.5389218	5/22/2024 12:00	10.73457995	575.2554201	5/22/2024 12:00	10.98857165	575.1514283
5/23/2024 0:00	11.77034106	574.5796589	5/23/2024 0:00	10.67197059	575.3180294	5/23/2024 0:00	10.94127288	575.1987271
5/23/2024 12:00	11.72003485	574.6299652	5/23/2024 12:00	10.63396753	575.3560325	5/23/2024 12:00	10.91666658	575.2233334
5/24/2024 0:00	11.70335725	574.6466428	5/24/2024 0:00	10.6074474	575.3825526	5/24/2024 0:00	10.88440499	575.255595
5/24/2024 12:00	11.69324132	574.6567587	5/24/2024 12:00	10.60471337	575.3852866	5/24/2024 12:00	10.88932625	575.2506738
5/25/2024 0:00	11.72167527	574.6283247	5/25/2024 0:00	10.62248459	575.3675154	5/25/2024 0:00	10.89752835	575.2424717
5/25/2024 12:00	11.7569443	574.5930557	5/25/2024 12:00	10.66595571	575.3240443	5/25/2024 12:00	10.93525801	575.204742
5/26/2024 0:00	11.71511359	574.6348864	5/26/2024 0:00	10.63533454	575.3546655	5/26/2024 0:00	10.91420595	575.2257941
5/26/2024 12:00	11.7736219	574.5763781	5/26/2024 12:00	10.6648621	575.3251379	5/26/2024 12:00	10.94756116	575.1924388
5/27/2024 0:00	11.74682837	574.6031716	5/27/2024 0:00	10.66130786	575.3286921	5/27/2024 0:00	10.93826544	575.2017346
5/27/2024 12:00	11.69870939	574.6512906	5/27/2024 12:00	10.61373568	575.3762643	5/27/2024 12:00	10.89452091	575.2454791
5/28/2024 0:00	11.61832881	574.7316712	5/28/2024 0:00	10.55249333	575.4375067	5/28/2024 0:00	10.84667533	575.2933247
5/28/2024 12:00	11.70499767	574.6450023	5/28/2024 12:00	10.61893034	575.3710697	5/28/2024 12:00	10.89971557	575.2402844
5/29/2024 0:00	11.5434163	574.8065837	5/29/2024 0:00	10.443132	575.546868	5/29/2024 0:00	10.71626194	575.4237381
5/29/2024 12:00	10.98594692	575.3640531	5/29/2024 12:00	9.862423343	576.1275767	5/29/2024 12:00	10.14129475	575.9987052
5/30/2024 0:00	10.66223739	575.6877626	5/30/2024 0:00	9.53734679	576.4526532	5/30/2024 0:00	9.818132021	576.321868
5/30/2024 12:00	10.52225488	575.8277451	5/30/2024 12:00	9.402832355	576.5871676	5/30/2024 12:00	9.677876116	576.4621239
5/31/2024 0:00	10.49737518	575.8526248	5/31/2024 0:00	9.378226055	576.6117739	5/31/2024 0:00	9.657097463	576.4829025
5/31/2024 12:00	10.55752391	575.7924761	5/31/2024 12:00	9.441382223	576.5486178	5/31/2024 12:00	9.720253631	576.4197464
6/1/2024 0:00	10.61821945	575.7317805	6/1/2024 0:00	9.503171375	576.4868286	6/1/2024 0:00	9.783956606	576.3560434
6/1/2024 12:00	10.69969364	575.6503064	6/1/2024 12:00	9.579450902	576.4105491	6/1/2024 12:00	9.860236133	576.2797639
6/2/2024 0:00	10.74726582	575.6027342	6/2/2024 0:00	9.649715557	576.3402844	6/2/2024 0:00	9.928586965	576.211413

6/2/2024 12:00	10.82737299	575.522627	6/2/2024 12:00	9.733923781	576.2560762	6/2/2024 12:00	10.01279519	576.1272048
6/3/2024 0:00	10.85307291	575.4969271	6/3/2024 0:00	9.769466213	576.2205338	6/3/2024 0:00	10.0464238	576.0935762
6/3/2024 12:00	10.9350939	575.4149061	6/3/2024 12:00	9.841371287	576.1486287	6/3/2024 12:00	10.12598416	576.0140158
6/4/2024 0:00	10.99032138	575.3596786	6/4/2024 0:00	9.897418969	576.092581	6/4/2024 0:00	10.17437655	575.9656234
6/4/2024 12:00	11.06085943	575.2891406	6/4/2024 12:00	9.964676187	576.0253238	6/4/2024 12:00	10.24163377	575.8983662
6/5/2024 0:00	11.12319539	575.2268046	6/5/2024 0:00	10.02728555	575.9627145	6/5/2024 0:00	10.30615696	575.833843
6/5/2024 12:00	11.17760265	575.1723973	6/5/2024 12:00	10.10110445	575.8888956	6/5/2024 12:00	10.3838035	575.7561965
6/6/2024 0:00	11.2473205	575.1026795	6/6/2024 0:00	10.16398721	575.8260128	6/6/2024 0:00	10.44477244	575.6952276
6/6/2024 12:00	11.1647527	575.1852473	6/6/2024 12:00	10.07595134	575.9140487	6/6/2024 12:00	10.34716745	575.7928325
6/7/2024 0:00	11.07835725	575.2716428	6/7/2024 0:00	9.988188873	576.0018111	6/7/2024 0:00	10.26323263	575.8767674
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3/21/2025 12:00	12.34722207	574.0027779	3/21/2025 12:00	11.38992772	574.6000723	3/21/2025 12:00	11.65157472	574.4884253
3/22/2025 0:00	12.4147527	573.9352473	3/22/2025 0:00	11.44734242	574.5426576	3/22/2025 0:00	11.68793736	574.4520626
3/22/2025 12:00	12.46533231	573.8846677	3/22/2025 12:00	11.52362194	574.4663781	3/22/2025 12:00	11.74125101	574.398749
3/23/2025 0:00	12.59711271	573.7528873	3/23/2025 0:00	11.63927155	574.3507285	3/23/2025 0:00	11.84924532	574.2907547
3/23/2025 12:00	12.66108909	573.6889109	3/23/2025 12:00	11.70352133	574.2864787	3/23/2025 12:00	11.90775363	574.2322464
3/24/2025 0:00	12.71303572	573.6369643	3/24/2025 0:00	11.77433279	574.2156672	3/24/2025 0:00	11.98239274	574.1576073
3/24/2025 12:00	12.73490799	573.615092	3/24/2025 12:00	11.77870725	574.2112928	3/24/2025 12:00	11.99633631	574.1436637
3/25/2025 0:00	12.79478332	573.5552167	3/25/2025 0:00	11.84514425	574.1448557	3/25/2025 0:00	12.06468714	574.0753129

	MW-21			MW-44			MW-45	
TOC Elevation	582.84		TOC Elevation	586.04		TOC Elevation	585.57	
5/1/2024 0:00	16.79122908	566.0487709	5/1/2024 0:00	16.4887356	569.5512644	5/1/2024 0:00	13.96445744	571.60554
5/1/2024 12:00	16.77728551	566.0627145	5/1/2024 12:00	16.5379482	569.5020518	5/1/2024 12:00	14.04620503	571.52379
5/2/2024 0:00	16.80243862	566.0375614	5/2/2024 0:00	16.5704832	569.4695168	5/2/2024 0:00	14.02925403	571.54075
5/2/2024 12:00	16.71194212	566.1280579	5/2/2024 12:00	16.70417742	569.3358226	5/2/2024 12:00	14.28133189	571.28867
5/3/2024 0:00	16.78220677	566.0577932	5/3/2024 0:00	16.70171679	569.3382832	5/3/2024 0:00	14.23293951	571.33706
5/3/2024 12:00	16.81364815	566.0263518	5/3/2024 12:00	16.74190708	569.2980929	5/3/2024 12:00	14.25672559	571.31327
5/4/2024 0:00	16.86204054	565.9779595	5/4/2024 0:00	16.82666211	569.2133379	5/4/2024 0:00	14.34148063	571.22852
5/4/2024 12:00	16.8500108	565.9899892	5/4/2024 12:00	16.87642152	569.1635785	5/4/2024 12:00	14.39452087	571.17548
5/5/2024 0:00	16.87133625	565.9686637	5/5/2024 0:00	16.9081363	569.1318637	5/5/2024 0:00	14.38331133	571.18669
5/5/2024 12:00	16.88391281	565.9560872	5/5/2024 12:00	16.9573489	569.0826511	5/5/2024 12:00	14.40354318	571.16646
5/6/2024 0:00	16.9241031	565.9158969	5/6/2024 0:00	17.02487952	569.0151205	5/6/2024 0:00	14.48392376	571.08608
5/6/2024 12:00	16.92109566	565.9189043	5/6/2024 12:00	17.08120061	568.9587994	5/6/2024 12:00	14.54598631	571.02401
5/7/2024 0:00	16.24797667	566.5920233	5/7/2024 0:00	16.521544	569.518456	5/7/2024 0:00	14.30539139	571.26461
5/7/2024 12:00	15.78619846	567.0538015	5/7/2024 12:00	16.28669055	569.7533095	5/7/2024 12:00	14.09049637	571.47950
5/8/2024 0:00	15.41464334	567.4253567	5/8/2024 0:00	16.10433053	569.9356695	5/8/2024 0:00	13.79740801	571.77259
5/8/2024 12:00	15.49010266	567.3498973	5/8/2024 12:00	16.19291321	569.8470868	5/8/2024 12:00	13.71593382	571.85407
5/9/2024 0:00	16.18017265	566.6598273	5/9/2024 0:00	16.58415336	569.4558466	5/9/2024 0:00	13.92180652	571.64819
5/9/2024 12:00	16.28898717	566.5510128	5/9/2024 12:00	16.58005231	569.4599477	5/9/2024 12:00	13.84689401	571.72311
5/10/2024 0:00	16.40354317	566.4364568	5/10/2024 0:00	16.58278635	569.4572137	5/10/2024 0:00	13.7968612	571.77314
5/10/2024 12:00	16.40573039	566.4342696	5/10/2024 12:00	16.60520542	569.4347946	5/10/2024 12:00	13.76459961	571.80540
5/11/2024 0:00	16.40873783	566.4312622	5/11/2024 0:00	16.65933928	569.3806607	5/11/2024 0:00	13.79440057	571.77560
5/11/2024 12:00	16.34312103	566.496879	5/11/2024 12:00	16.60930647	569.4306935	5/11/2024 12:00	13.65605849	571.91394
5/12/2024 0:00	16.39998892	566.4400111	5/12/2024 0:00	16.63774041	569.4022596	5/12/2024 0:00	13.66316698	571.90683
5/12/2024 12:00	16.47326101	566.366739	5/12/2024 12:00	16.73643901	569.303561	5/12/2024 12:00	13.83978552	571.73021
5/13/2024 0:00	16.43990581	566.4000942	5/13/2024 0:00	16.71620717	569.3237928	5/13/2024 0:00	13.87532796	571.69467
5/13/2024 12:00	16.41174527	566.4282547	5/13/2024 12:00	16.65551163	569.3844884	5/13/2024 12:00	13.79166654	571.77833
5/14/2024 0:00	16.45002173	566.3899783	5/14/2024 0:00	16.61969579	569.4203042	5/14/2024 0:00	13.71319979	571.85680
5/14/2024 12:00	16.4388122	566.4011878	5/14/2024 12:00	16.6284447	569.4115553	5/14/2024 12:00	13.72878377	571.84122
5/15/2024 0:00	16.45713022	566.3828698	5/15/2024 0:00	16.63938083	569.4006192	5/15/2024 0:00	13.67820416	571.89180
5/15/2024 12:00	16.53505017	566.3049498	5/15/2024 12:00	16.65223079	569.3877692	5/15/2024 12:00	13.68531265	571.88469
5/16/2024 0:00	16.56785856	566.2721414	5/16/2024 0:00	16.71812099	569.321879	5/16/2024 0:00	13.72577634	571.84422
5/16/2024 12:00	16.55938306	566.2806169	5/16/2024 12:00	16.75421023	569.2857898	5/16/2024 12:00	13.77662936	571.79337
5/17/2024 0:00	16.5705926	566.2694074	5/17/2024 0:00	16.77744951	569.2625505	5/17/2024 0:00	13.77252831	571.79747
5/17/2024 12:00	16.5457129	566.2942871	5/17/2024 12:00	16.83349719	569.2065028	5/17/2024 12:00	13.80889095	571.76111
5/18/2024 0:00	16.46915996	566.37084	5/18/2024 0:00	16.77170804	569.268292	5/18/2024 0:00	13.76678684	571.80321
5/18/2024 12:00	16.49595349	566.3440465	5/18/2024 12:00	16.44253044	569.5974696	5/18/2024 12:00	13.77826978	571.79173
5/19/2024 0:00	15.51197493	567.3280251	5/19/2024 0:00	15.99059474	570.0494053	5/19/2024 0:00	13.64211492	571.92789
5/19/2024 12:00	14.99524264	567.8447574	5/19/2024 12:00	15.7732391	570.2667609	5/19/2024 12:00	13.58470022	571.98530
5/20/2024 0:00	14.69094474	568.1490553	5/20/2024 0:00	15.62997576	570.4100242	5/20/2024 0:00	13.46221553	572.10778
5/20/2024 12:00	14.61685244	568.2231476	5/20/2024 12:00	15.57146745	570.4685326	5/20/2024 12:00	13.38812323	572.18188
5/21/2024 0:00	14.50940493	568.3305951	5/21/2024 0:00	15.56955363	570.4704464	5/21/2024 0:00	13.22326103	572.34674
5/21/2024 12:00	14.55478989	568.2852101	5/21/2024 12:00	15.62122685	570.4187731	5/21/2024 12:00	13.17486864	572.39513
5/22/2024 0:00	14.40059041	568.4394096	5/22/2024 0:00	15.74261793	570.2973821	5/22/2024 0:00	13.09339445	572.47661
5/22/2024 12:00	14.51213897	568.327861	5/22/2024 12:00	15.81561662	570.2243834	5/22/2024 12:00	13.06332008	572.50668
5/23/2024 0:00	14.4820646	568.3579354	5/23/2024 0:00	15.83202082	570.2079792	5/23/2024 0:00	13.03324572	572.53675
5/23/2024 12:00	14.41152654	568.4284735	5/23/2024 12:00	15.80878153	570.2312185	5/23/2024 12:00	13.19045263	572.37955
5/24/2024 0:00	14.51897405	568.3210259	5/24/2024 0:00	15.67782134	570.3621787	5/24/2024 0:00	13.08355193	572.48645
5/24/2024 12:00	14.52963678	568.3103632	5/24/2024 12:00	15.69477235	570.3452277	5/24/2024 12:00	13.05593819	572.51406
5/25/2024 0:00	14.66415122	568.1758488	5/25/2024 0:00	15.70215424	570.3378458	5/25/2024 0:00	13.00481177	572.56519
5/25/2024 12:00	14.88178026	567.9582197	5/25/2024 12:00	15.74343814	570.2965619	5/25/2024 12:00	12.96790232	572.60210
5/26/2024 0:00	14.85498674	567.9850133	5/26/2024 0:00	15.82190489	570.2180951	5/26/2024 0:00	13.02531702	572.54468
5/26/2024 12:00	14.93618752	567.9038125	5/26/2024 12:00	15.82928678	570.2107132	5/26/2024 12:00	13.0644137	572.50559
5/27/2024 0:00	14.89244299	567.947557	5/27/2024 0:00	15.67918836	570.3608116	5/27/2024 0:00	12.78718272	572.78282
5/27/2024 12:00	14.79511141	568.0448886	5/27/2024 12:00	15.66114374	570.3788563	5/27/2024 12:00	12.67645438	572.89355
5/28/2024 0:00	14.8601814	567.9798186	5/28/2024 0:00	15.74316474	570.2968353	5/28/2024 0:00	12.88697494	572.68303
5/28/2024 12:00	14.99551604	567.844484	5/28/2024 12:00	15.79073691	570.2492631	5/28/2024 12:00	13.02039576	572.54960
5/29/2024 0:00	14.7450786	568.0949214	5/29/2024 0:00	15.77351251	570.2664875	5/29/2024 0:00	13.11827415	572.45173
5/29/2024 12:00	12.88019452	569.9598055	5/29/2024 12:00	14.46117655	571.5788235	5/29/2024 12:00	12.99496925	572.57503
5/30/2024 0:00	11.30156373	571.5384363	5/30/2024 0:00	13.92093158	572.1190684	5/30/2024 0:00	12.81534327	572.75466
5/30/2024 12:00	10.33644999	572.50355	5/30/2024 12:00	13.75087471	572.2891253	5/30/2024 12:00	12.67125972	572.89874
5/31/2024 0:00	10.18170371	572.6582963	5/31/2024 0:00	13.78614374	572.2538563	5/31/2024 0:00	12.52416873	573.04583
5/31/2024 12:00	10.40562103	572.434379	5/31/2024 12:00	13.90944864	572.1305514	5/31/2024 12:00	12.48397844	573.08602
6/1/2024 0:00	10.67601692	572.1639831	6/1/2024 0:00	13.99119623	572.0488038	6/1/2024 0:00	12.29697056	573.27303
6/1/2024 12:00	10.99917965	571.8408204	6/1/2024 12:00	14.08169273	571.9583073	6/1/2024 12:00	12.19717835	573.37282
6/2/2024 0:00	11.32589662	571.5141034	6/2/2024 0:00	14.12325004	571.91675	6/2/2024 0:00	12.02438745	573.54561

6/2/2024 12:00	11.75650686	571.0834931	6/2/2024 12:00	14.29057287	571.7494271	6/2/2024 12:00	12.00333539	573.56666
6/3/2024 0:00	12.02362191	570.8163781	6/3/2024 0:00	14.39446614	571.6455339	6/3/2024 0:00	11.97380783	573.59619
6/3/2024 12:00	12.38260047	570.4573995	6/3/2024 12:00	14.50054663	571.5394534	6/3/2024 12:00	12.03040232	573.53960
6/4/2024 0:00	12.67404842	570.1659516	6/4/2024 0:00	14.5888559	571.4511441	6/4/2024 0:00	12.03094913	573.53905
6/4/2024 12:00	13.09344912	569.7465509	6/4/2024 12:00	14.69849063	571.3415094	6/4/2024 12:00	12.06567135	573.50433
6/5/2024 0:00	13.40676933	569.4332307	6/5/2024 0:00	14.80593814	571.2340619	6/5/2024 0:00	12.01919279	573.55081
6/5/2024 12:00	13.74086819	569.0991318	6/5/2024 12:00	14.90846439	571.1315356	6/5/2024 12:00	12.00880346	573.56120
6/6/2024 0:00	13.96451211	568.8754879	6/6/2024 0:00	15.0413384	570.9986616	6/6/2024 0:00	11.96068447	573.60932
6/6/2024 12:00	13.75781919	569.0821808	6/6/2024 12:00	15.06403088	570.9759691	6/6/2024 12:00	11.95685683	573.61314
6/7/2024 0:00	13.19160091	569.6483991	6/7/2024 0:00	14.86636027	571.1736397	6/7/2024 0:00	12.02602787	573.54397
6/7/2024 12:00	13.34005891	569.4999411	6/7/2024 12:00	14.97134715	571.0686528	6/7/2024 12:00	12.11707118	573.45293
6/8/2024 0:00	13.78844037	569.0515596	6/8/2024 0:00	15.1892496	570.8507504	6/8/2024 0:00	12.31282796	573.25717
6/8/2024 12:00	14.14167746	568.6983225	6/8/2024 12:00	15.35903307	570.6809669	6/8/2024 12:00	12.42109567	573.14890
6/9/2024 0:00	14.42246268	568.4175373	6/9/2024 0:00	15.45499763	570.5850024	6/9/2024 0:00	12.40906593	573.16093
6/9/2024 12:00	13.69083538	569.1491646	6/9/2024 12:00	15.1649167	570.8750833	6/9/2024 12:00	12.33005237	573.23995
6/10/2024 0:00	12.87691368	569.9630863	6/10/2024 0:00	14.49179772	571.5482023	6/10/2024 0:00	12.29122909	573.27877
6/10/2024 12:00	11.86723521	570.9727648	6/10/2024 12:00	13.80336815	572.2366319	6/10/2024 12:00	12.26334196	573.30666
6/11/2024 0:00	10.64512234	572.1948777	6/11/2024 0:00	13.52285634	572.5171437	6/11/2024 0:00	12.21057511	573.35942
6/11/2024 12:00	10.53275358	572.3072464	6/11/2024 12:00	13.75415555	572.2858445	6/11/2024 12:00	12.16136252	573.40864
6/12/2024 0:00	10.93930432	571.9006957	6/12/2024 0:00	14.05189177	571.9881082	6/12/2024 0:00	12.11433714	573.45566
6/12/2024 12:00	11.12193774	571.7180623	6/12/2024 12:00	14.17820411	571.8617959	6/12/2024 12:00	12.08070853	573.48929
6/13/2024 0:00	11.32917746	571.5108225	6/13/2024 0:00	14.2192146	571.8207854	6/13/2024 0:00	11.9377186	573.63228
6/13/2024 12:00	11.62445305	571.2155469	6/13/2024 12:00	14.37997576	571.6600242	6/13/2024 12:00	11.91721335	573.65279
6/14/2024 0:00	11.94296793	570.8970321	6/14/2024 0:00	14.54948582	571.4905142	6/14/2024 0:00	11.82234239	573.74766
6/14/2024 12:00	12.48102567	570.3589743	6/14/2024 12:00	14.85351032	571.1864897	6/14/2024 12:00	12.01782577	573.55217
6/15/2024 0:00	13.05818009	569.7818199	6/15/2024 0:00	15.16354969	570.8764503	6/15/2024 0:00	12.16628377	573.40372
6/15/2024 12:00	13.58639531	569.2536047	6/15/2024 12:00	15.46237952	570.5776205	6/15/2024 12:00	12.36340757	573.20659
6/16/2024 0:00	14.14085725	568.6991427	6/16/2024 0:00	15.64884059	570.3911594	6/16/2024 0:00	12.4068787	573.16312
6/16/2024 12:00	14.54713459	568.2928654	6/16/2024 12:00	15.77542633	570.2645737	6/16/2024 12:00	12.4399605	573.13004
6/17/2024 0:00	15.05183713	567.7881629	6/17/2024 0:00	15.81178897	570.228211	6/17/2024 0:00	12.33223959	573.23776
6/17/2024 12:00	15.44827195	567.391728	6/17/2024 12:00	16.02230953	570.0176905	6/17/2024 12:00	12.50667091	573.06333
6/18/2024 0:00	15.71648061	567.1235194	6/18/2024 0:00	16.15545695	569.8845431	6/18/2024 0:00	12.60072166	572.96928
6/18/2024 12:00	15.85236206	566.9876379	6/18/2024 12:00	16.30090752	569.7390925	6/18/2024 12:00	12.77296575	572.79703
6/19/2024 0:00	15.98250205	566.857498	6/19/2024 0:00	16.33070848	569.7092915	6/19/2024 0:00	12.8342081	572.73579
6/19/2024 12:00	16.17935244	566.6606476	6/19/2024 12:00	16.42940708	569.6105929	6/19/2024 12:00	12.98321291	572.58679
6/20/2024 0:00	16.33683276	566.5031672	6/20/2024 0:00	16.44499107	569.5950089	6/20/2024 0:00	12.99524265	572.57476
6/20/2024 12:00	16.48529076	566.3547092	6/20/2024 12:00	16.53466736	569.5053326	6/20/2024 12:00	13.07863067	572.49137
6/21/2024 0:00	16.53559697	566.304403	6/21/2024 0:00	16.52919929	569.5108007	6/21/2024 0:00	13.02941807	572.54058
6/21/2024 12:00	16.59601911	566.2439809	6/21/2024 12:00	16.59399588	569.4460041	6/21/2024 12:00	13.03242551	572.53757
6/22/2024 0:00	16.64113066	566.1988693	6/22/2024 0:00	16.6615265	569.3784735	6/22/2024 0:00	13.00098412	572.56902
6/22/2024 12:00	16.66054229	566.1794577	6/22/2024 12:00	16.64375529	569.3962447	6/22/2024 12:00	12.98020547	572.58979
6/23/2024 0:00	16.65480082	566.1851992	6/23/2024 0:00	16.61368092	569.4263191	6/23/2024 0:00	12.84815167	572.72185
6/23/2024 12:00	16.69116346	566.1488365	6/23/2024 12:00	16.63609999	569.4039	6/23/2024 12:00	12.77925403	572.79075
6/24/2024 0:00	16.80407904	566.035921	6/24/2024 0:00	16.77252825	569.2674717	6/24/2024 0:00	13.02230958	572.54769
6/24/2024 12:00	16.85137781	565.9886222	6/24/2024 12:00	16.95324785	569.0867521	6/24/2024 12:00	13.36242332	572.20758
6/25/2024 0:00	16.84508954	565.9949105	6/25/2024 0:00	17.01202957	569.0279704	6/25/2024 0:00	13.45565385	572.11435
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6/26/2024 12:00	16.9489828	565.8910172	6/26/2024 12:00	17.14599719	568.8940028	6/26/2024 12:00	13.49639095	572.07361
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2/5/2025 12:00	12.49004798	570.349952	2/5/2025 12:00	16.30446176	569.7355382	2/5/2025 12:00	16.03630783	569.53369
2/6/2025 0:00	12.27132532	570.5686747	2/6/2025 0:00	16.14424741	569.8957526	2/6/2025 0:00	15.84820635	569.72179
2/6/2025 12:00	11.85165122	570.9883488	2/6/2025 12:00	15.75956894	570.2804311	2/6/2025 12:00	15.62565604	569.94434
2/7/2025 0:00	11.96784763	570.8721524	2/7/2025 0:00	15.90037165	570.1396284	2/7/2025 0:00	15.78012892	569.78987
2/7/2025 12:00	12.32928682	570.5107132	2/7/2025 12:00	16.17404838	569.8659516	2/7/2025 12:00	16.09180871	569.47819
2/8/2025 0:00	12.37494518	570.4650548	2/8/2025 0:00	16.20384934	569.8361507	2/8/2025 0:00	16.06282796	569.50717
2/8/2025 12:00	12.27569977	570.5643002	2/8/2025 12:00	16.09312099	569.946879	2/8/2025 12:00	15.92339226	569.64661
2/9/2025 0:00	12.00776451	570.8322355	2/9/2025 0:00	15.85279947	570.1872005	2/9/2025 0:00	15.76071728	569.80928
2/9/2025 12:00	12.27187213	570.5681279	2/9/2025 12:00	16.08081784	569.9591822	2/9/2025 12:00	16.02099725	569.54900
2/10/2025 0:00	12.40447274	570.4355273	2/10/2025 0:00	16.19400682	569.8459932	2/10/2025 0:00	16.07895875	569.49104
2/10/2025 12:00	12.47473739	570.3652626	2/10/2025 12:00	16.22189396	569.818106	2/10/2025 12:00	16.07075665	569.49924

2/11/2025 0:00	12.47665122	570.3633488	2/11/2025 0:00	16.22763543	569.8123646	2/11/2025 0:00	16.06692901	569.50307
2/11/2025 12:00	12.35963459	570.4803654	2/11/2025 12:00	16.1188209	569.9211791	2/11/2025 12:00	15.96713679	569.60286
2/12/2025 0:00	12.34623783	570.4937622	2/12/2025 0:00	16.14834846	569.8916515	2/12/2025 0:00	15.99010267	569.57990
2/12/2025 12:00	12.30331351	570.5366865	2/12/2025 12:00	16.08765293	569.9523471	2/12/2025 12:00	15.93569541	569.63430
2/13/2025 0:00	11.94324133	570.8967587	2/13/2025 0:00	15.63024916	570.4097508	2/13/2025 0:00	15.64069322	569.92931
2/13/2025 12:00	11.90988612	570.9301139	2/13/2025 12:00	15.58896526	570.4510347	2/13/2025 12:00	15.84656593	569.72343
2/15/2025 0:00	16.90277764	565.9372224	2/15/2025 0:00	16.81381216	569.2261878	2/15/2025 0:00	15.99174309	569.57826
2/15/2025 12:00	17.56031263	565.2796874	2/15/2025 12:00	17.0727251	568.9672749	2/15/2025 12:00	16.1076661	569.46233
2/16/2025 0:00	18.66322164	564.1767784	2/16/2025 0:00	18.03264418	568.0073558	2/16/2025 0:00	16.94072603	568.62927
2/16/2025 12:00	19.0626639	563.7773361	2/16/2025 12:00	18.40064505	567.6393549	2/16/2025 12:00	17.29040888	568.27959
2/17/2025 0:00	16.9405073	565.8994927	2/17/2025 0:00	15.73714986	570.3028501	2/17/2025 0:00	14.72233146	570.84767
2/17/2025 12:00	18.55030607	564.2896939	2/17/2025 12:00	16.96746482	569.0725352	2/17/2025 12:00	15.87472647	569.69527
2/18/2025 0:00	15.32168621	567.5183138	2/18/2025 0:00	13.64206019	572.3979398	2/18/2025 0:00	12.50831133	573.06169
2/18/2025 12:00	19.18842943	563.6515706	2/18/2025 12:00	17.45466955	568.5853305	2/18/2025 12:00	16.28127721	569.28872
2/19/2025 0:00	18.68509391	564.1549061	2/19/2025 0:00	16.92973516	569.1102648	2/19/2025 0:00	15.72626846	569.84373
2/19/2025 12:00	19.78718271	563.0528173	2/19/2025 12:00	17.95691146	568.0830885	2/19/2025 12:00	16.77285639	568.79714
2/20/2025 0:00	19.30462584	563.5353742	2/20/2025 0:00	17.46451207	568.5754879	2/20/2025 0:00	16.26733364	569.30267
2/20/2025 12:00	19.91950992	562.9204901	2/20/2025 12:00	18.02471548	568.0152845	2/20/2025 12:00	16.81714773	568.75285
2/21/2025 0:00	19.46319977	563.3768002	2/21/2025 0:00	17.41283884	568.6271612	2/21/2025 0:00	16.24026671	569.32973
2/21/2025 12:00	21.44619409	561.3938059	2/21/2025 12:00	19.33486421	566.7051358	2/21/2025 12:00	18.13522516	567.43477
2/22/2025 0:00	20.13877939	562.7012206	2/22/2025 0:00	18.04850157	567.9914984	2/22/2025 0:00	16.80867223	568.76133
2/22/2025 12:00	19.86182182	562.9781782	2/22/2025 12:00	17.83360656	568.2063934	2/22/2025 12:00	16.51640407	569.05360
2/23/2025 0:00	19.97829164	562.8617084	2/23/2025 0:00	17.87461705	568.1653829	2/23/2025 0:00	16.58885595	568.98114
2/23/2025 12:00	20.07999767	562.7600023	2/23/2025 12:00	17.93914024	568.1008598	2/23/2025 12:00	16.63314729	568.93685
2/24/2025 0:00	20.10104973	562.7389503	2/24/2025 0:00	18.00913149	568.0308685	2/24/2025 0:00	16.62740582	568.94259
2/24/2025 12:00	19.99660966	562.8433903	2/24/2025 12:00	18.01131872	568.0286813	2/24/2025 12:00	16.52296575	569.04703
2/25/2025 0:00	20.23091631	562.6090837	2/25/2025 0:00	18.034558	568.005442	2/25/2025 0:00	16.68454712	568.88545
2/25/2025 12:00	20.24868752	562.5913125	2/25/2025 12:00	18.05670367	567.9832963	2/25/2025 12:00	16.68892157	568.88108
2/26/2025 0:00	20.3126639	562.5273361	2/26/2025 0:00	18.09853438	567.9414656	2/26/2025 0:00	16.77969147	568.79031
2/26/2025 12:00	20.33152873	562.5084713	2/26/2025 12:00	18.09415992	567.9458401	2/26/2025 12:00	16.8062116	568.76379
2/27/2025 0:00	20.22736206	562.6126379	2/27/2025 0:00	18.02826972	568.0117303	2/27/2025 0:00	16.74606286	568.82394
2/27/2025 12:00	20.16174527	562.6782547	2/27/2025 12:00	17.76853656	568.2714634	2/27/2025 12:00	16.65748019	568.91252
2/28/2025 0:00	20.23720458	562.6027954	2/28/2025 0:00	17.79751732	568.2424827	2/28/2025 0:00	16.72528421	568.84472
2/28/2025 12:00	20.24021202	562.599788	2/28/2025 12:00	17.77673866	568.2632613	2/28/2025 12:00	16.74360224	568.82640
3/1/2025 0:00	20.16557291	562.6744271	3/1/2025 0:00	17.60367436	568.4363256	3/1/2025 0:00	16.59623784	568.97376
3/1/2025 12:00	20.49283669	562.3471633	3/1/2025 12:00	17.70100594	568.3389941	3/1/2025 12:00	16.91201868	568.65798
3/2/2025 0:00	20.51361535	562.3263847	3/2/2025 0:00	17.78876841	568.2512316	3/2/2025 0:00	16.97872909	568.59127
3/2/2025 12:00	20.53138656	562.3086134	3/2/2025 12:00	17.67804006	568.3619599	3/2/2025 12:00	16.94099944	568.62900
3/3/2025 0:00	20.5754045	562.2645955	3/3/2025 0:00	17.62773385	568.4122661	3/3/2025 0:00	16.87784327	568.69216
3/3/2025 12:00	20.56993643	562.2700636	3/3/2025 12:00	17.57332659	568.4666734	3/3/2025 12:00	16.79582227	568.77418
3/4/2025 0:00	20.56966303	562.270337	3/4/2025 0:00	17.53641714	568.5035829	3/4/2025 0:00	16.72856505	568.84143
3/4/2025 12:00	20.59891718	562.2410828	3/4/2025 12:00	17.50142152	568.5385785	3/4/2025 12:00	16.67361098	568.89639
3/5/2025 0:00	20.59563634	562.2443637	3/5/2025 0:00	17.48091627	568.5590837	3/5/2025 0:00	16.57463898	568.99536
3/5/2025 12:00	20.40753486	562.4324651	3/5/2025 12:00	17.3351923	568.7048077	3/5/2025 12:00	16.36548544	569.20451
3/6/2025 0:00	18.87948367	563.9605163	3/6/2025 0:00	17.2203629	568.8196371	3/6/2025 0:00	16.42399375	569.14601
3/6/2025 12:00	16.16513547	566.6748645	3/6/2025 12:00	16.99535196	569.044648	3/6/2025 12:00	16.53636252	569.03364
3/7/2025 0:00	16.89922339	565.9407766	3/7/2025 0:00	16.93383621	569.1061638	3/7/2025 0:00	16.5680773	569.00192
3/7/2025 12:00	18.48742331	564.3525767	3/7/2025 12:00	16.83896526	569.2010347	3/7/2025 12:00	16.46828509	569.10171
3/8/2025 0:00	19.36122033	563.4787797	3/8/2025 0:00	16.71183272	569.3281673	3/8/2025 0:00	16.3545493	569.21545
3/8/2025 12:00	20.01410747	562.8258925	3/8/2025 12:00	16.68777322	569.3522268	3/8/2025 12:00	16.44285858	569.12714
3/9/2025 0:00	20.28368315	562.5563169	3/9/2025 0:00	16.62543726	569.4145627	3/9/2025 0:00	16.38517048	569.18483
3/9/2025 12:00	20.37582007	562.4641799	3/9/2025 12:00	16.63309256	569.4069074	3/9/2025 12:00	16.33377065	569.23623
3/10/2025 0:00	20.33344255	562.5065574	3/10/2025 0:00	16.57267042	569.4673296	3/10/2025 0:00	16.21866785	569.35133
3/10/2025 12:00	20.43104754	562.4089525	3/10/2025 12:00	16.61368092	569.4263191	3/10/2025 12:00	16.23015079	569.33985
3/11/2025 0:00	20.22544824	562.6145518	3/11/2025 0:00	16.56774916	569.4722508	3/11/2025 0:00	16.1240703	569.44593
3/11/2025 12:00	20.13303792	562.7069621	3/11/2025 12:00	16.57458425	569.4654158	3/11/2025 12:00	16.12543732	569.44456
3/12/2025 0:00	20.15244955	562.6875504	3/12/2025 0:00	16.50049195	569.5395081	3/12/2025 0:00	16.28647188	569.28353
3/12/2025 12:00	20.18033669	562.6596633	3/12/2025 12:00	16.25552257	569.7844774	3/12/2025 12:00	16.14977021	569.42023
3/13/2025 0:00	20.41737737	562.4226226	3/13/2025 0:00	16.57157681	569.4684232	3/13/2025 0:00	16.07103006	569.49897
3/13/2025 12:00	20.75393687	562.0860631	3/13/2025 12:00	16.74956237	569.2904376	3/13/2025 12:00	16.06884283	569.50116
3/14/2025 0:00	20.92864159	561.9113584	3/14/2025 0:00	16.82037384	569.2196262	3/14/2025 0:00	16.10957993	569.46042
3/14/2025 12:00	20.93684369	561.9031563	3/14/2025 12:00	16.79385371	569.2461463	3/14/2025 12:00	16.03548762	569.53451
3/15/2025 0:00	20.95188087	561.8881191	3/15/2025 0:00	16.8422461	569.1977539	3/15/2025 0:00	15.99311011	569.57689
3/15/2025 12:00	20.97703398	561.862966	3/15/2025 12:00	16.94996701	569.090033	3/15/2025 12:00	16.05653968	569.51346
3/16/2025 0:00	20.95242768	561.8875723	3/16/2025 0:00	17.05905494	568.9809451	3/16/2025 0:00	16.05107161	569.51893
3/16/2025 12:00	20.94012453	561.8998755	3/16/2025 12:00	17.10033884	568.9396612	3/16/2025 12:00	15.97178465	569.59822
3/17/2025 0:00	21.0366359	561.8033641	3/17/2025 0:00	17.26055319	568.7794468	3/17/2025 0:00	16.28073041	569.28927
3/17/2025 12:00	21.02296574	561.8170343	3/17/2025 12:00	17.18564068	568.8543593	3/17/2025 12:00	16.36083758	569.20916

3/18/2025 0:00	21.02679339	561.8132066	3/18/2025 0:00	16.9245405	569.1154595	3/18/2025 0:00	16.31873347	569.25127
3/18/2025 12:00	20.96035638	561.8796436	3/18/2025 12:00	16.8261153	569.2138847	3/18/2025 12:00	16.16808824	569.40191
3/19/2025 0:00	21.01093599	561.829064	3/19/2025 0:00	16.8671258	569.1728742	3/19/2025 0:00	16.17082227	569.39918
3/19/2025 12:00	20.98496268	561.8550373	3/19/2025 12:00	16.88134278	569.1586572	3/19/2025 12:00	16.10848631	569.46151
3/20/2025 0:00	20.96391062	561.8760894	3/20/2025 0:00	16.86302475	569.1769752	3/20/2025 0:00	16.07403749	569.49596
3/20/2025 12:00	20.86411841	561.9758816	3/20/2025 12:00	16.88872467	569.1512753	3/20/2025 12:00	16.11778203	569.45222
3/21/2025 0:00	21.07928682	561.7607132	3/21/2025 0:00	16.80506325	569.2349368	3/21/2025 0:00	16.30615692	569.26384
3/21/2025 12:00	21.09842506	561.7415749	3/21/2025 12:00	16.93520323	569.1047968	3/21/2025 12:00	16.26596663	569.30403
3/22/2025 0:00	21.08120065	561.7587994	3/22/2025 0:00	17.11100157	568.9289984	3/22/2025 0:00	16.12817135	569.44183
3/22/2025 12:00	21.12877283	561.7112272	3/22/2025 12:00	17.21872248	568.8212775	3/22/2025 12:00	16.20445088	569.36555
3/23/2025 0:00	21.12959304	561.710407	3/23/2025 0:00	17.48884496	568.551155	3/23/2025 0:00	16.46746488	569.10254
3/23/2025 12:00	21.12877283	561.7112272	3/23/2025 12:00	17.5738734	568.4661266	3/23/2025 12:00	16.44367879	569.12632
3/24/2025 0:00	21.06753048	561.7724695	3/24/2025 0:00	17.49650026	568.5434997	3/24/2025 0:00	16.23315823	569.33684
3/24/2025 12:00	21.08338787	561.7566121	3/24/2025 12:00	17.50634278	568.5336572	3/24/2025 12:00	16.29494738	569.27505
3/25/2025 0:00	20.91633844	561.9236616	3/25/2025 0:00	17.63839658	568.4016034	3/25/2025 0:00	16.47621378	569.09379

APPENDIX 10

NAPL Gauging Documentation

Elk Street Three Year Annual Gauge Inside Containement

Year 1 of 3

Completed By: Chris Finn & Andrew Koons **Date: 4/26/2024**

Well ID	TOC Elevation	GW Elevation	DTP	DTW	Well Depth	DNAPL	Comments
ESCP-MW-1	585.79	575.09	-	10.70	19.64	ND	Soft bottom, black sediment/faint petroleum odor
ESCP-MW-2	586.26	573.75	-	12.51	17.08	ND	
ESCP-MW-3	586.22	573.73	-	12.49	21.93	ND	Sediment at bottom of well
ESCP-MW-4	586.35	573.85	-	12.50	22.98	ND	
ESCP-MW-5	585.99	574.43	-	11.56	16.33	ND	Soft bottom
ESCP-MW-6	586.14	573.95	-	12.19	14.55	ND	Soft bottom
MW-21	582.84	565.24	-	17.60	22.44	ND	Soft bottom
MW-44	586.04	571.29	-	14.75	28.96	ND	Soft bottom
MW-45	585.57	571.27	-	14.30	21.24	ND	Soft bottom
EW-1	581.89	568.23	Trace	13.66	27.95	ND	
EW-2	581.92	568.28	Trace	13.64	26.93	ND	
EW-3	580.65	569.45	10.95	11.20	26.89	ND	
EW-4	581.58	567.48	-	14.10	26.91	ND	
EW-5	580.49	560.44	-	20.05	25.13	ND	Soft bottom
EW-6	580.41	561.31	Trace	19.10	23.83	ND	Soft bottom
EW-7	586.31	574.52	-	11.79	-	ND	Pump in well
ESI-1	586.69	568.74	17.25	17.95	18.80	ND	Sock in well
ESI-2	586.50	566.84	17.97	19.66	25.89	ND	Sock in well
ESI-3	588.32	568.61	Trace	19.71	20.70	ND	
ESI-4	583.49	565.59	-	17.90	20.40	ND	
RW-6	-	-	-	-	-	ND	Could not locate
MW-10	584.78	572.49	-	12.29	19.60	ND	
MW-12	586.68	571.48	Trace	15.20	20.55	ND	Sock in well
MW-13	584.37	582.42	-	1.95	9.70	ND	
MW-14	586.91	568.94	17.60	17.97	23.55	ND	Sock in well
MW-15	586.65	575.40	11.15	11.25	23.00	ND	
MW-16	589.15	587.08	-	2.07	12.88	ND	
MW-18	582.88	569.13	13.55	13.75	19.70	ND	Sock in well
MW-20	585.97	568.40	-	17.57	19.00	ND	
MW-26	584.87	580.66	-	4.21	10.84	ND	
MW-33	584.62	574.17	-	10.45	28.10	ND	
MW-36R	589.65	583.25	-	6.40	16.20	ND	
MW-42	585.62	578.34	-	7.28	23.20	ND	
MW-43	585.49	568.14	17.15	17.35	22.20	ND	
CSO-PZ-3	584.58	569.38	13.85	15.20	18.70	ND	

Elk Street Three Year Annual Gauge Inside Containement

Year 2 of 3

Completed By: Carly Repka and Gabe Hadley **Date: 4/22/2025**

Well ID	TOC Elevation	GW Elevation	DTP	DTW	Well Depth	DNAPL	Comments
ESCP-MW-1	585.79	574.62	-	11.17	19.3	ND	
ESCP-MW-2	586.26	573.32	-	12.94	17.25	ND	
ESCP-MW-3	586.22	572.50	-	13.72	22	ND	
ESCP-MW-4	586.35	573.65	-	12.70	23.01	ND	
ESCP-MW-5	585.99	574.27	-	11.72	16.2	ND	Soft bottom
ESCP-MW-6	586.14	573.68	-	12.46	14.8	ND	Soft bottom
MW-21	582.84	564.33	-	18.51	23.6	ND	Soft bottom
MW-44	586.04	569.53	-	16.51	24.84	ND	Soft bottom
MW-45	585.57	568.31	-	17.26	18.9	ND	Soft bottom
EW-1	581.89	560.66	-	21.23	27.51	ND	
EW-2	581.92	560.78	17.96	21.14	28.15	ND	16 gallons LNAPL removed
EW-3	580.65	566.40	13.48	14.25	28.71	ND	
EW-4	581.58	566.38	-	15.20	24.17	ND	
EW-5	580.49	560.47	-	20.02	22.5	ND	
EW-6	580.41	557.61	-	22.80	25.14	ND	
EW-7	586.31	577.61	-	8.70	15.95	ND	
ESI-1	586.69	582.87	-	3.82	22.70	ND	Dark Brown at bottom
ESI-2	586.50	566.37	17.50	20.13	25.6	ND	
ESI-3	588.32	566.23	-	22.09	27.20	ND	
ESI-4	583.49	564.79	-	18.70	20.23	ND	
RW-6	-	-	-	-	-	ND	Could not locate
MW-10	584.78	571.54	-	13.24	19.65	ND	
MW-12	586.68	569.58	16.80	17.10	26.8	ND	
MW-13	584.37	582.67	-	1.70	18.45	ND	
MW-14	586.91	568.71	18.15	18.20	23.63	ND	
MW-15	586.65	568.95	17.45	17.70	23.46	ND	
MW-16	589.15	587.42	-	1.73	10.8	ND	
MW-18	582.88	569.96	12.40	12.92	22.35	ND	
MW-20	585.97	568.83	-	17.14	24.50	ND	
MW-26	584.87	581.47	-	3.40	10.5	ND	
MW-33	584.62	573.62	-	11.00	28.25	ND	
MW-36R	589.65	583.56	-	6.09	16.50	ND	
MW-42	585.62	578.92	-	6.70	22.96	ND	
MW-43	585.49	569.44	-	16.05	22.00	ND	
CSO-PZ-3	584.58	564.18	17.60	20.40	29.00	ND	
ESCP-MW-9	582.42	573.84	-	8.58	37.30	ND	
ESCP-MW-10	582.69	572.85	-	9.84	34.35	ND	
ESCP-MW-11	583.60	572.46	-	11.14	38.85	ND	
ESCP-MW12	582.78	572.38	-	10.40	32.30	ND	
ESCP-MW-13	583.65	572.31	11.26	11.34	33.22	ND	sock in well
ESCP-MW-7	581.55	572.65	-	8.90	25.10	ND	
ESCP-MW-8	581.76	572.99	-	8.77	25.50	ND	
MW-3	581.84	572.82	-	9.02	20.35	ND	
SB-37	582.73	572.63	-	10.10	18.25	ND	

APPENDIX 11

Waste Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-535-5053	4. Waste Tracking Number 54636

5. Generator's Name and Mailing Address
Elk Street Commerce Park, LLC
503 Elk Street
Buffalo, NY 14210
Generator's Phone: 716-345-6709

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

6. Transporter 1 Company Name: Environmental Service Group, Inc 716.695.6720
U.S. EPA ID Number: NYD986903904

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

8. Designated Facility Name and Site Address
Chaffee Landfill
10860 Olean Road
Chaffee, NY 14030
Facility's Phone: 716-496-5000
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Regulated, (Ground Water Treatment System Solids)	01	TT	3517	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

ERG:	Approval #:	Handling Codes:	24 Hour Emergency Contact:
1 -	1 - 122676NY	1 - None	INFOTRAC (Caller Must ID ESG)
2 -	2 -	2 -	
3 -	3 -	3 -	
4 -	4 -	4 -	

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Matthew Pearson
Signature:
Month: 5 Day: 7 Year: 24

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

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Glenn Caverly
Signature:
Month: 05 Day: 07 Year: 24

Transporter 2 Printed/Typed Name: Cameron Rutkowski
Signature:
Month: 5 Day: 8 Year: 24

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
		800-535-5053	56804

GENERATOR

5. Generator's Name and Mailing Address

Elk Street Commerce Park, LLC
503 Elk Street
Buffalo, NY 14210
Generator's Phone: 716-345-6709

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

6. Transporter 1 Company Name: Environmental Service Group, Inc — 716.695.6720 — U.S. EPA ID Number: NYD986903904

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

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Chaffee Landfill
10860 Olean Road
Chaffee, NY 14030
Facility's Phone: 716-496-5000

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Regulated, (Ground Water Treatment System Solids) non	001	TI	23 89	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

ERG:	Approval #:	Handling Codes:	24 Hour Emergency Contact:
1 -	1 - 122676NY	1 - None	INFOTRAC (Caller Must ID ESG)
2 -	2 -	2 -	
3 -	3 -	3 -	
4 -	4 -	4 -	

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Matthew Pearson — Signature — Month: 9 — Day: 30 — Year: 24

INT'L

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

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Colin Rutkowski — Signature — Month: 09 — Day: 30 — Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month: 10 — Day: 1 — Year: 24

DESIGNATED FACILITY TO GENERATOR

27575

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000270561
2. Page 1 of: 1
3. Emergency Response Phone: 800-535-5053
4. Manifest Tracking Number: 018976113 FLE

GENERATOR

5. Generator's Name and Mailing Address
Elk Street Commerce Park, LLC
503 Elk Street
Buffalo, NY 14210
Generator's Phone: 716-345-6709

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

6. Transporter 1 Company Name: Environmental Service Group, Inc. (NY) 716.695.6720
U.S. EPA ID Number: NYD986903904

7. Transporter 2 Company Name: Veolia ES Technical Solutions
U.S. EPA ID Number: NJD080631369 ~~NJD980806411~~

8. Designated Facility Name and Site Address
Veolia ES Technical Solutions
125 Factory Lane
Middlesex, NJ 08846
Facility's Phone: 732-469-5100
U.S. EPA ID Number: NJD002454544

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3175, Waste Solids containing flammable liquid, n.o.s., 4.1, II, (Petroleum product)	002	DM	0120	P	D001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1 - 1250541/MARSOLID Est weight
ERG: 1- 133
24 Hour Emergency Contact:
INFOTRAC (Caller Must ID ESG)
800-535-5053

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

Generator's/Offeror's Printed/Typed Name: [illegible] on behalf of Elk St. Commerce Park
Signature: [illegible] on behalf of Elk St. Commerce Park
Month: 11 Day: 15 Year: 24

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael W Peterson
Signature: [signature]
Month: 11 Day: 15 Year: 24

Transporter 2 Printed/Typed Name: Tristan Mitchell
Signature: [signature]
Month: 11 Day: 18 Year: 24

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: April Watkins
Signature: [signature]
Month: 11 Day: 18 Year: 2024

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYR000270561

22. Page: 2

23. Manifest Tracking Number: 018976113FLE

24. Generator's Name: Elk Street

25. Transporter 3 Company Name: Freehold Cartage Inc — U.S. EPA ID Number: NJD054126164

26. Transporter _____ Company Name — U.S. EPA ID Number:

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		

Transfer to Box 6 for FOV

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials

Printed/Typed Name: Bruce Hall — Signature — Month: 11 Day: 12 Year: 24

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000270561 | 2. Page 1 of 1 | 3. Emergency Response Phone: 800-535-5053 | 4. Waste Tracking Number: 59163

5. Generator's Name and Mailing Address:
Elk Street Commerce Park, LLC
503 Elk Street
Buffalo, NY 14210
716-345-6709

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

6. Transporter 1 Company Name: Environmental Service Group, Inc 716.695.6720 | U.S. EPA ID Number: NYD986903904

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

8. Designated Facility Name and Site Address:
Chaffee Landfill
10860 Olean Road
Chaffee, NY 14030
716-496-5000

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Regulated, (Soil Cuttings)	020	DM	10000	P	FST
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

ERG:	Approval #:	Handling Codes:	24 Hour Emergency Contact:
1 -	1 - 123262NY 20 X55644	1 - None	INFOTRAC (Caller Must ID
2 -	2 -	2 -	ESG)
3 -	3 -	3 -	
4 -	4 -	4 -	

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Brent Miller on behalf of ESCP | Signature: Brent Miller on behalf of ESCP | Month: 03 | Day: 05 | Year: 25

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

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: EDWARD VROOT | Signature | Month: 03 | Day: 05 | Year: 25

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a.

Printed/Typed Name | Signature | 83384 | Month: 3 | Day: 25 | Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Printed in USA by GID Supply
1-800-227-8466

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-CONTIN
716-937-6900

APPENDIX 12

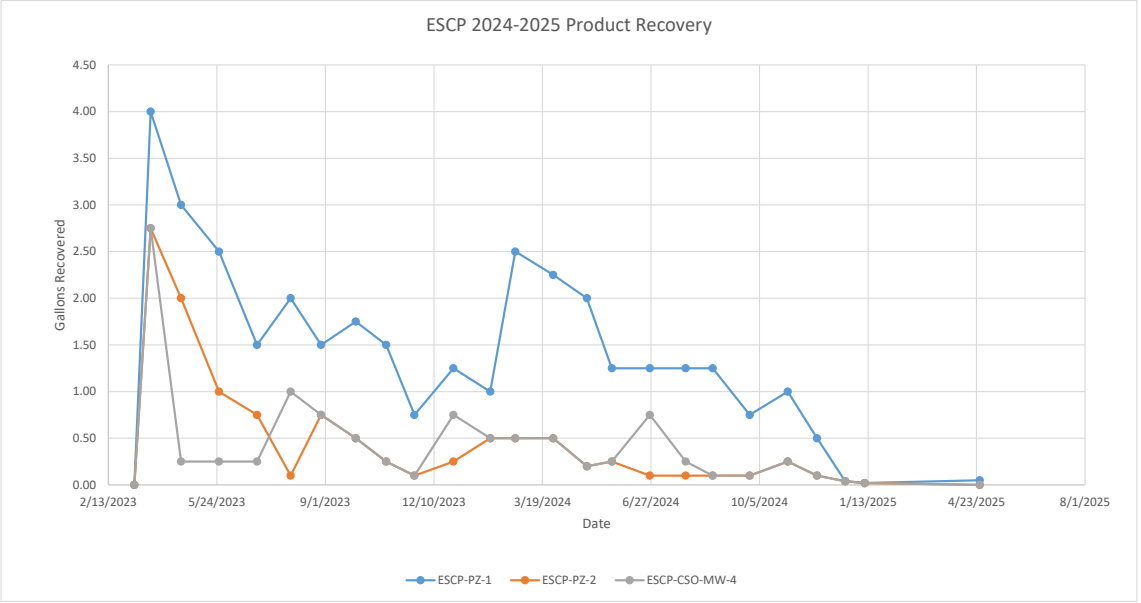
Product/Oil Recovery Documentation

ESCP 2024-2025 Average Product Recovery					
ID	**Average DTP (ft.)**	**Average DTW (ft.)**	**Average feet of Product**	**Average Gallons Recovered per Monthly Event**	**Total Gallons Recovered**
PZ-1	11.55	13.12	1.61	0.74	7.36
PZ-2	11.67	11.93	0.26	0.12	1.06
ESCP-CSO-MW-4	11.58	11.72	0.15	0.21	1.86
				Total Gallons Recovered:	10.28

ESCP Yearly Product Recovery (gal.)					
	CSO-PZ-01	**CSO-PZ-02**	**CSO-PZ-3**	**ESCP-CSO-MW-4**	**Total Recovery by Reporting Year**
Total Product Recovered 2021-2022:	36.30	33.45	56.35	29.05	155.15
Total Product Recovered 2022-2023:	7.00	4.75	-	3.00	14.75
Total Prodcut Recovered 2023-2024:	16.60	5.10	-	5.25	26.95
Total Product Recovered 2024-2025:	7.36	1.06	-	1.86	10.28
miscellaneous 2024-2025:	-	-	-	-	13.00
Total Product Recovered:	67.26	44.36	56.35	39.16	220.13

* miscellaneous- product removed from OWS-1, EW-2 and ESCP MW-13

ESCP 2024-2025 Product Removal Logs												
Date	ESCP PZ-1				ESCP PZ-2				ESCP-CSO-MW-4			
	DTP (ft.)	DTW (ft.)	Feet of Product	Amount Removed (Gallons)	DTP (ft.)	DTW (ft.)	Feet of Product	Amount Removed (Gallons)	DTP (ft.)	DTW (ft.)	Feet of Product	Amount Removed (Gallons)
3/9/2023	10.55	14.15	3.60	-	10.98	13.34	2.36	-	11.13	12.86	1.73	-
3/24/2023	10.36	15.15	4.79	4.00	12.50	13.20	0.70	2.75	10.81	12.31	1.5	2.75
4/21/2023	10.61	16.26	5.65	3.00	11.27	13.02	1.75	2.00	11.46	11.69	0.23	0.25
5/26/2023	10.97	16.78	5.81	2.50	11.69	13.45	1.76	1.00	11.83	12.01	0.18	0.25
6/30/2023	11.26	15.76	4.50	1.50	11.92	13.41	1.49	0.75	11.98	12.12	0.14	0.25
7/31/2023	10.87	14.50	3.63	2.00	11.40	11.43	0.03	0.10	11.41	12.31	0.90	1.00
8/28/2023	10.97	14.55	3.58	1.50	11.49	11.61	0.12	0.75	11.46	12.15	0.69	0.75
9/29/2023	11.61	15.32	3.71	1.75	12.16	12.91	0.75	0.50	12.14	12.34	0.20	0.50
10/27/2023	11.50	13.65	2.15	1.50	11.85	12.45	0.60	0.25	13.86	13.92	0.06	0.25
11/22/2023	11.16	12.50	1.34	0.75	11.47	11.51	0.04	0.10	11.35	11.4	0.05	0.10
12/28/2023	10.90	14.39	3.49	1.25	11.46	11.75	0.29	0.25	11.37	11.48	0.11	0.75
1/31/2024	10.23	11.58	1.35	1.00	10.28	12.41	2.13	0.50	11.28	11.41	0.13	0.50
2/23/2024	9.58	15.27	5.69	2.50	11.22	11.43	0.21	0.50	11.38	11.51	0.13	0.50
3/29/2024	11.21	16.46	5.25	2.25	10.82	11.47	0.65	0.50	12.19	12.25	0.06	0.50
4/29/2024	11.18	15.95	4.77	2.00	11.68	11.70	0.02	0.20	11.92	12.01	0.09	0.20
5/22/2024	10.70	13.32	2.62	1.25	11.04	11.34	0.30	0.25	11.00	11.08	0.08	0.25
6/26/2024	10.58	13.66	3.08	1.25	11.11	11.24	0.13	0.10	10.88	11.29	0.41	0.75
7/29/2024	10.47	12.90	2.43	1.25	10.84	10.94	0.10	0.10	10.76	10.81	0.05	0.25
8/23/2024	10.87	12.90	2.03	1.25	11.19	11.45	0.26	0.10	11.11	11.15	0.04	0.10
9/26/2024	12.80	13.20	0.70	0.75	12.12	12.54	0.42	0.10	12.07	12.17	0.1	0.10
10/31/2024	12.28	13.55	1.27	1.00	12.52	13.00	0.48	0.25	12.54	12.8	0.26	0.25
11/27/2024	12.61	13.02	0.41	0.50	12.89	13.00	0.11	0.10	12.68	12.77	0.09	0.10
12/23/2024	-	-	-	0.04	-	-	-	0.04	-	-	-	0.04
1/10/2025	-	-	-	0.02	-	-	-	0.02	-	-	-	0.02
4/26/2025	12.1	12.43	0.33	0.05	-	-	-	-	-	-	-	-



LaBella
Powered by partnership.

APPENDIX 13

Non-Routine Maintenance Logs

OU-3 Non Routine Maintenance Log

Inspector(s): Chris Finn, Andy Janik, Brent Miller, Carly Repka

Date/Time	Area	Description of Work Performed	Other Comments
5/8/2024	OU-3	Cleaned the the pumps and screens of all EW's	Wiring harness in all show wear
5/17/2024	OU-3/Buckeye	Potholes by drainage basin repaired	
8/1/2024	OU-3	Quartely pump cleaning for all EW's	
8/8/2024	OU-3	EW-6 motor issues, troubleshooting	
8/14/2024	OU-3/Buckeye	Sprayed for weed prevention in paved areas throughout site	
8/15/2024	ESCP-EW-6	Replaced motor in EW-6	
8/16/20024	OU-3/OWS-1	1.68 gallons of product recovered	
8/20/2024	OU-3	Repair of insulation from areas near EW-4 and EW-5	
8/22/2024	OU-3/OWS-1	.16 gallons of product recovered	
8/22/2024	OU-3	Replace hoses on EW-1 and EW-2, cleaned pumps/motors	
8/26/2024	OU-3	Reapir on insulation from areas near EW-2, EW-4, and EW-6	
9/23-9/25/2024	OU-3	Western Area soil borings	
9/30-10/8/2024	OU-3/OWS-1/Sparge Tanks	Quarterly system cleaning and maintenance- replaced OWS-1 "high high" float, recovered 1.0 gal of product (pads), prep and epoxy paint effluent chamber of OWS-1, fusion weld of internal air chambers in all three sparge tanks, jet piping /hoses adjacent to EW-1 and EW-2	
10/8-10/9/2024	OU-3	Composite sample taken during restart	
10/17/2024	OU-3	EW-4 pump cleaing, changed VFD from EW-7 to EW-4	
10/18/2024	OU-3	EW-6 stopped working, VFD error (OCa)	Troubleshooting issue

Date/Time	Area	Description of Work Performed	Other Comments
10/28/2024-10/30/2024	OU-3	Insulation repairs and installation	
11/20/2024	OU-3	EW-5 stopped working, VFD error (OCa)	Troubleshooting issue
11/22/2024	OU-3	Settelement along the length of eastern king piles observed by Buckeye/LaBella	
12/17/2024	OU-3	Frozen section of line between EW-5/6	
12/31/2024	OU-3	Change out socks in WA wells	
1/9/2025	OU-3/Site Generator	Begin work on back-up power system	
1/9/2025	OU-3/OWS-1	.16 gallons of product recovered	
1/28/2025	OU-3	Clean all three sparge tanks- SP-1, SP-2, and SP-3	
1/13-1/31/2025	OU-3/Western Area	Drilling/Well installation	
2/3-2/6/2025	OU-3	Rework controls for EW-5/6 to run manually	Troubleshooting issue
2/12/2025	OU-3	Clean SP-2	
3/5/2025	OU-3	Drum pick up from WA investigation	
3/10-3/14/2025	OU-3	EW pump maintenance/cleaning-all wells	
4/7-4/8/2025	OU-3	GWETS cleaning of OWS-1 and OWS-2	
4/17/2025	OU-3	Cleaned SP-1	
4/18/2025	OU-3	Cleaned SP-2	
4/24/2025	OU-3	Decant and transfer product from PRT 2 to PRT 6	
4/25/2025	OU-3	Removal of product from EW-2 approximately 10 gallons	
4/29/2025	OU-3	New placarding on PRT-6	