



Pennsylvania
**Department of
Environmental Protection**

September 9, 2025

Abdul Bamgbose
MIPC LLC
920 Cherry Tree Road
Aston, PA 19014-9997

Re: Temporary Discharge Approval
MIPC LLC - Chelsea Terminal
Application No. 2325202
Authorization ID No. 1540785
Upper Chichester Township, Delaware County

Dear Permittee:

This is in response to your letter dated September 3, 2025, requesting approval for a temporary discharge of treated groundwater containing petroleum-impacted constituents to Boozers Run in Marcus Hook Borough, Delaware County.

The Project is located at the MIPC LLC petroleum storage and pipeline facility. The discharge originates from groundwater collected beneath AST 709. Currently, this water is captured in a temporary basin, stored in a frac tank, and hauled offsite for disposal.

MIPC proposes installation of a temporary treatment system consisting of a sump tank (500–2,500 gallons), transfer to an 18,000-gallon weir tank, and treatment through bag filters and dual granular activated carbon (GAC) filters. Treated effluent will discharge into the existing AST dike stormwater collection system, equipped with oil/water separators and retention ponds, and ultimately to Outfall 002 under NPDES Permit No. PA0011231.

The system will operate for 3–6 months beginning September 9, 2025, with an average flow of 10 gpm and maximum batch discharge of 60 gpm.

We hereby approve your request to discharge the treated wastewater subject to the following:

1. If the details of the discharge described above are significantly changed, this temporary discharge request is null and void, and the discharge is no longer authorized by this approval. Significant changes include but are not limited to: new pollutants not previously identified in the request; or a significant increase to the concentration of pollutants or volume of wastewater treated.
2. Notify the Department of Environmental Protection (DEP) Southeast Regional Office's Operations Section 24 hours prior to commencing discharge at rbauer@pa.gov or 484.250.5970
3. Permission to discharge to sanitary sewers adjacent to the site has been denied by the sanitary sewer system owner.

4. The discharge must comply with the following effluent limitations and monitoring requirements:

Effluent Limitations and Monitoring Requirements:

Parameter	Average Values (ug/l)	Inst. Maximum (ug/l)
Benzene	1.0	2.5
Total BETX*	100	250
Ethylbenzene	Monitor only	Monitor only
Toluene	Monitor only	Monitor only
Total Xylenes	Monitor only	Monitor only
MTBE	Monitor only	Monitor only
1,2,4 - Trimethylbenzene	Monitor only	Monitor only
1,3,5 - Trimethylbenzene	Monitor only	Monitor only
pH (STD Units)	6.0-9.0 STD units at all times	

* Total BETX shall be measured as the sum of Benzene, Ethylbenzene, Toluene, and Xylene. Benzene shall be measured by an Environmental Protection Agency (EPA) approved method with a sensitivity of 0.001 mg/l or lower. Ethylbenzene, Toluene, and Total Xylenes shall be measured by an approved EPA method.

Influent and effluent samples shall be collected and analyzed for the parameters listed above. At least one representative sample shall be taken within 2 hours of startup and *weekly* thereafter until discharge ceases.

5. Monthly monitoring results shall be submitted within 28 days after completion of discharge to:

Pennsylvania Department of Environmental Protection
Clean Water Program, Operations Section
2 East Main Street
Norristown, PA 19401

Or rbauer@pa.gov

6. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance, and replacement of all works associated with the

herein approved discharge in, along, or across private property, with full rights of ingress, egress, and regress

7. In the event of any adverse effects to the receiving stream or aquatic life, both the Department and the Pennsylvania Fish and Boat Commission shall be notified immediately.
8. The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this approval. Permittee shall provide any additional treatment(s) required to meet the requirements of this approval.
9. This discharge shall not induce erosion of the ground surface, banks or streambed; appropriate erosion and sedimentation controls shall be installed. Water shall be discharged through an energy dissipater at a controlled rate to minimize erosion.
10. The discharge shall comply with the Department's narrative surface water criteria outlined in 25 PA Code § 92a.41(c), § 92a.47(a)(7), § 95.2(2), and § 93.6(a).
11. All tests or analysis of environmental samples used to demonstrate compliance with this approval shall be in compliance with laboratory accreditation requirements of Act 90 Of 2002 and 25 PA Code Chapter 252, relating to environmental laboratory accreditation.
12. Test procedures (methods) for the analysis of pollutants shall be those approved under 40 CFR Part 136, unless an alternative method is specified in this approval or has been otherwise approved in writing by DEP.
13. Test procedures (methods) selected for the analysis of pollutants shall be sufficiently sensitive. A sufficiently sensitive test method is a test method which has an analytical reporting level set at or below the level of effluent limits established in this approval.
14. If the temporary discharge authorized by this approval does not comply with all conditions outlined herein, the discharge constitutes an unpermitted discharge and is subject to all penalty provisions under the Clean Streams Law.

This letter does not waive, either expressly or by implication, the power or authority of the Commonwealth of Pennsylvania to prosecute for any and all violations of law arising prior to or after the issuance of this letter or the conditions upon which this letter is based. This letter shall not be construed so as to waive or impair any rights of the Department, heretofore or hereafter existing.

This approval shall expire 180 days from issuance of this letter. Any significant changes in your proposed procedure must receive prior approval from DEP. If required, request for extension of

Ms. Abdul Bamgbose

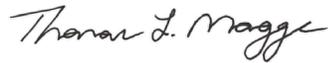
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this approval shall be submitted at least 30 days in advance of expiration. The request shall contain summary of all effluent sample results conducted during this approval period.

If you have questions, please contact Vasantha Palakurti at vpalakurti@pa.gov or 484.250.5198.

Sincerely,



Thomas L. Magge
Environmental Program Manager
Clean Water Program
Southeast Regional Office

Enclosures

cc: Mr. Pilcher, Westin Solutions, Inc.
Upper Chichester Township
Operations Section
File



Weston Solutions, Inc.
1400 Weston Way
West Chester, PA 19380
610-701-3000
WestonSolutions.com

3 September 2025

Ms. Sara Abraham
PADEP Clean Water Program
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

Re: Temporary Discharge Authorization Request - NPDES Permit No. PA0011231
MIPC, LLC
Chelsea Station
920 Cherry Tree Road
Aston Township, PA 19014

Dear Ms. Abraham:

This correspondence is a request for Temporary Discharge Authorization (TDA) of treated water to the existing drainage system for the Above Ground Storage Tank (AST) dike system at the referenced property (Property). The Property is located at the approximate coordinates of 39° 51' 54.29" N by 75° 27' 25.73" W. The location of the Property is illustrated on the attached Figure 1 – Site Location Map.

The Property is an industrial property operated as a refined petroleum products pipeline manifold and breakout tank storage facility. Currently, there are twelve breakout tank ASTs present at the Site, located as shown on the attached Figure 2 – Property Plan.

On Monday, August 18, 2025, during routine Property inspections, MIPC observed water with petroleum odors discharging from a 12" diameter concrete drainage pipe into a swale located to the southwest of AST 709 (See Figure 2). Upon investigation, MIPC discovered that the pipe drains groundwater/spring water from beneath AST 709 and discharges to a swale, which also collects storm water on the Property. MIPC immediately deployed oil absorbent booms to capture any sheens and intercepted the flow of water from this pipe by excavating and installing a collection basin near and outside of the southern corner of the AST 709 dike. Currently, water is collected from this pipe in a temporary basin and continuously extracted with vacuum trucks, stored onsite in a 20,000-gallon frac tank, and then transported offsite for proper treatment/disposal. The estimated average flow from the pipe is 5 gallons per minute (gpm) of water with approximately 1 to 2% hydrocarbons. Preliminary water sample analytical results indicate that the water contains unleaded gasoline constituents.

MIPC plans to install a temporary water treatment system to collect the water discharging from the pipe, treat it, and discharge it to the existing AST dike stormwater collection system. This existing dike stormwater collection system includes oil/water separators and retention ponds with inverse dam outlets. This existing system discharges to Outfall 002 under NPDES Permit No. PA0011231.

The water discharging from the concrete pipe will be collected in a sump tank (approximately 500 to 2,500 gallons (TBD)), pumped using float controlled submersible pumps to a larger 18,000 gallon weir tank,

Trust. Performance. People.

Act with Integrity • Live Safely • Advance Client Success • Deliver Exceptional Quality • Be Inclusive • Create a Better World; Be the Change



Ms. Sara Abraham
PADEP Clean Water Program

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MIPC LLC Chelsea Station

then pumped in batches from the weir tank through bag filters and granular activated carbon (GAC) filters in a series of two prior to discharge to the AST dike stormwater collection system. The GAC filters will be sized for an appropriate mass of GAC to ensure appropriate contact time and reasonable changeout intervals. The two series carbon filtration setup will allow changeout of the first vessel set upon breakthrough and reconfiguration of flow through the second set first and the newly changed out set second. A level pad for the weir tank and filtration system will be created using clean imported gravel. Erosion and sediment control measures including compost filter socks and vegetative stabilization will be installed in accordance with the PA DEP Chapter 102 Program Manual. The limit of disturbance will be minimized to the extent practicable to stay within PADEP, County, and Township limits of disturbance. The temporary collection basin area will be restored and stabilized.

A process flow diagram illustrating the treatment process is included on the attached Figure 3 – Process Flow Diagram. The anticipated average flow is 5 to 10 gpm and the batch treatment flow from the 18,000-gallon weir tank through the bag filters and GAC will not exceed 60 gpm. The anticipated duration of operation of the temporary treatment system is 3 to 6 months. The anticipated system start date is September 8, 2025.

MIPC will collect the necessary and appropriate influent and effluent samples during the pumping activities to comply with the TDA monitoring requirements. It is anticipated that the effluent water samples will be analyzed for the PADEP PAG-05 NPDES unleaded gasoline parameters. MIPC will report the results in accordance with TDA requirements.

Based on the Google Earth Pro program and the USGS “Marcus Hook, Pennsylvania” 7.5-minute topographic quadrangle map, the Property elevation ranges from approximately 180 to 325 feet above mean sea level. As indicated by topographic mapping, Google Earth Pro, and field observation, the Property slopes moderately downward to the southeast. Stormwater from the Property discharges to Boozers Run at the southern corner of the Property and runs southeast to Marcus Hook Creek approximately 5,900 feet from the southeast side of the Property.



Ms. Sara Abraham
PADEP Clean Water Program

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3 September 2025
MIPC LLC Chelsea Station

The original temporary discharge approval letter can be mailed to the MIPC representative at the following address:

Mr. Abdul Bamgbose
MIPC
920 Cherry Tree Road
Aston Township, PA 19014
Abdul.Bamgbose@monroe-energy.com

The project consultant is:

Mr. Brian R. Evans
Weston Solutions, Inc.
1400 Weston Way
PO Box 2653
West Chester, PA 19380
Brain.Evans@WestonSolutions.com

If you have any questions or require additional information, please do not hesitate to contact Brian Evans at 610-554-4711.

Very truly yours,
WESTON SOLUTIONS, INC.

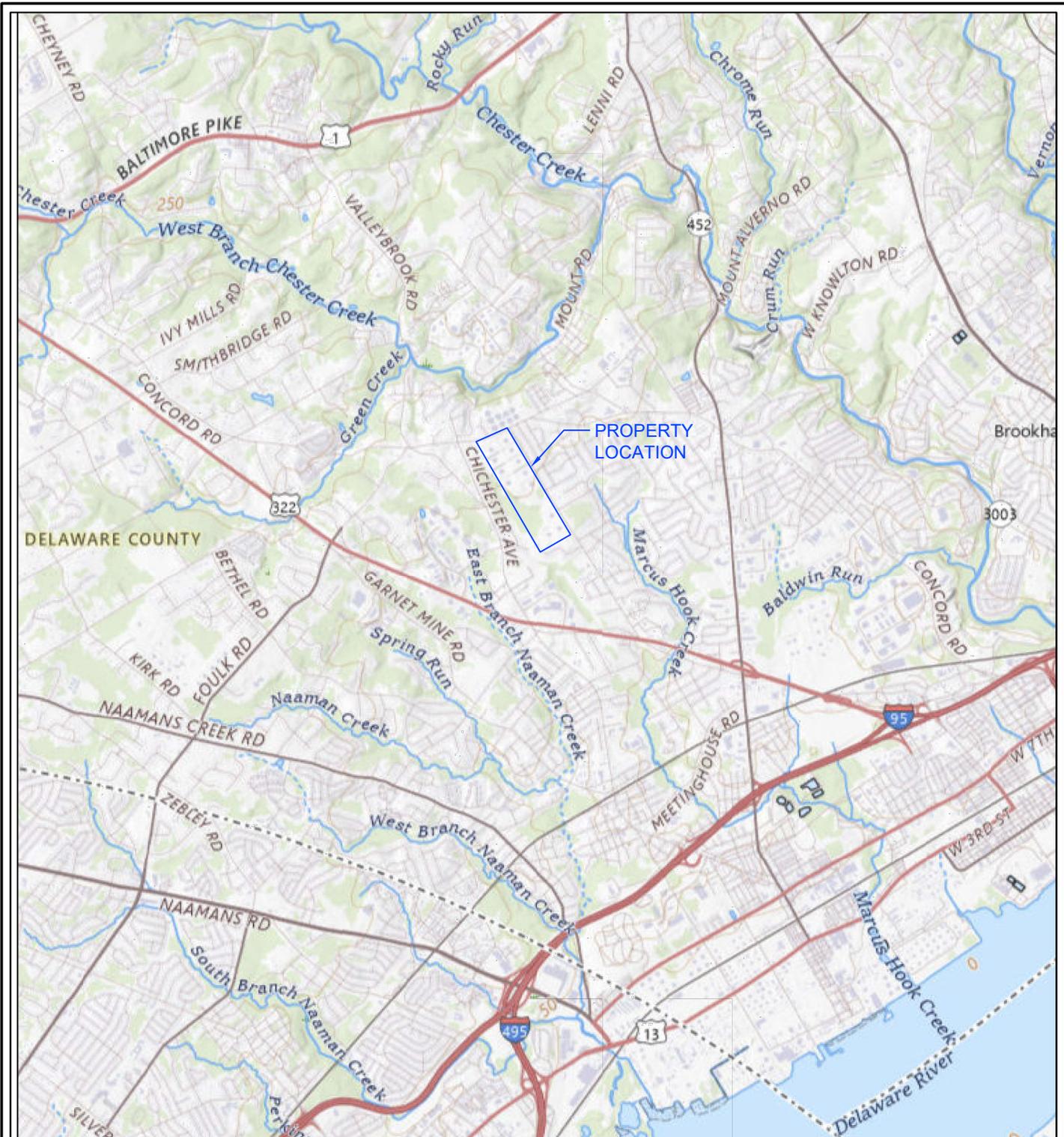
A handwritten signature in black ink, appearing to read "Brian R. Evans".

Brian R. Evans
Senior Project Manager

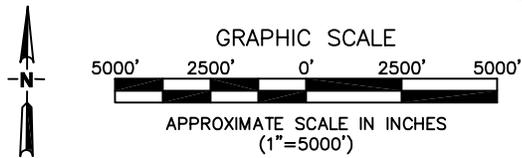
A handwritten signature in black ink, appearing to read "Timothy J. Pilcher".

Timothy J. Pilcher, P.E.
Senior Project Engineer

cc: Mr Abdul Bamgbose (MIPC)



SOURCE: USGS NationalMap.gov Viewer



MIPC
920 CHERRY TREE RD, ASTON TWP, PA



FIGURE 1
PROPERTY LOCATION MAP

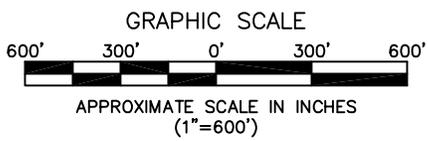
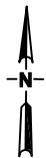
DATE: 2025/08/29

ENG: TJP

DRAWN BY: TJP



SOURCE: Google Earth Pro (06/2023)



MIPC
920 CHERRY TREE RD, ASTON TWP, PA



FIGURE 2
PROPERTY PLAN

DATE: 2025/09/03

ENG: TJP

DRAWN BY: TJP

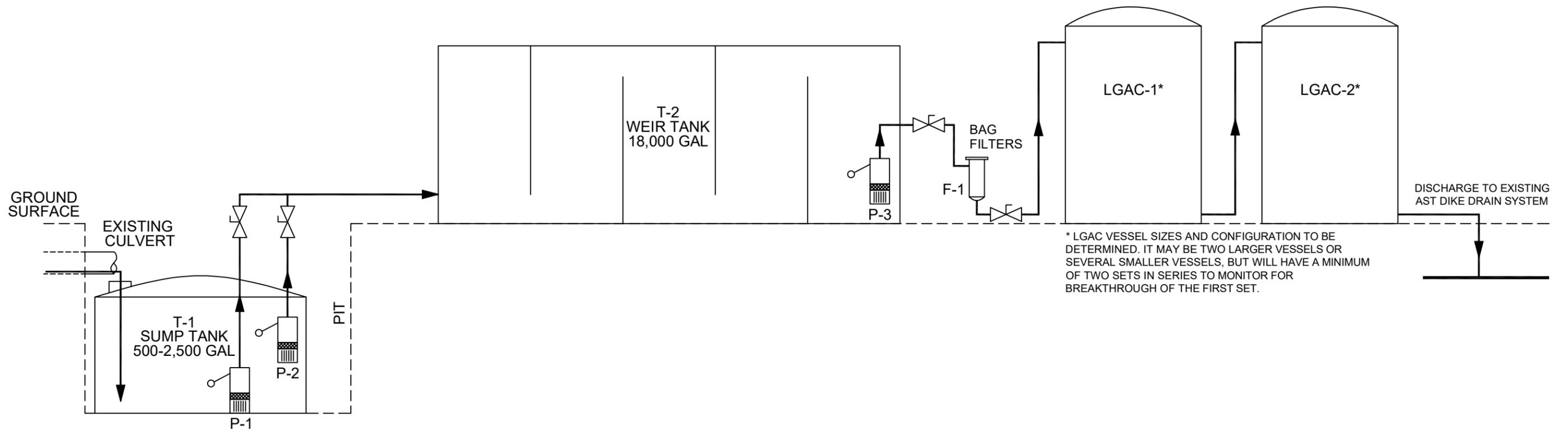


FIGURE 3

MIPC 920 CHERRY TREE ROAD ASTON TOWNSHIP, PA		PROCESS FLOW DIAGRAM DRAIN WATER TEMPORARY TREATMENT SYSTEM				
		DRAWN TJP	DATE 09/02/25	DES. ENG. TJP	DATE 09/02/25	W.O. NO. ---
		CHECKED DRAFT	DATE ---	APPROVED ---	DATE ---	DWG. NO. 03



GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION

Before completing this General Information Form (GIF), read the step-by-step instructions provided in this application package. This form is used by the Department of Environmental Protection (DEP) to inform our programs regarding what other DEP permits or authorizations may be needed for the proposed project or activity. This version of the General Information Form (GIF) must be completed and returned with any program-specific application being submitted to the DEP.

Related ID#s (If Known)		DEP USE ONLY
Client ID#	139010	Date Received & General Notes
Site ID#	502590	
Facility ID#	551823	
APS ID#		
Auth ID#		

CLIENT INFORMATION

DEP Client ID#	Client Type/Code	Dun & Bradstreet ID#	
139010	LLC		
Legal Organization Name or Registered Fictitious Name		Employer ID# (EIN)	Is the EIN a SSN?
MIPC, LLC		45-5201987	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
State of Incorporation or Registration of Fictitious Name	<input type="checkbox"/> Corporation <input checked="" type="checkbox"/> LLC <input type="checkbox"/> Partnership <input type="checkbox"/> LLP <input type="checkbox"/> LP <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Association/Organization <input type="checkbox"/> Estate/Trust <input type="checkbox"/> Other		
Delaware			
Individual Last Name	First Name	MI	Suffix
Additional Individual Last Name	First Name	MI	Suffix
Mailing Address Line 1		Mailing Address Line 2	
920 Cherry Tree Road			
Address Last Line – City	State	ZIP+4	Country
Aston	PA	19014	USA
Client Contact Last Name	First Name	MI	Suffix
Bamgbose	Abdul		
Client Contact Title	Phone	Ext	Cell Phone
DOT Environmental Engineer	484 816 3302		
Email Address	FAX		
abdul.bamgbose@monroe-energy.com			

SITE INFORMATION

DEP Site ID#	Site Name				
502590	Chelsea Pipeline Station and Tank Farm				
EPA ID#	Estimated Number of Employees to be Present at Site				
110046246932	25				
Description of Site					
Refined petroleum products storage and transfer facility.					
Tax Parcel ID(s): 090000-71901; 020000-27101; 030000-13300					
County Name(s)	Municipality(ies)	City	Boro	Twp	State
Delaware	Upper Chichester	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PA
Delaware	Aston	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PA
Delaware	Bethel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PA

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Site Location Line 1	Site Location Line 2			
920 Cherry Tree Road				
Site Location Last Line – City	State	ZIP+4		
Aston	PA	19014		
Detailed Written Directions to Site				
From I-95, head west on US-322 W toward Bethel Ave. Turn right onto Cherry Tree Rd and MIPC will be on the left.				
Site Contact Last Name	First Name	MI	Suffix	
Bamgbose	Abdul			
Site Contact Title	Site Contact Firm			
DOT Environmental Engineer				
Mailing Address Line 1	Mailing Address Line 2			
920 Cherry Tree Road				
Mailing Address Last Line – City	State	ZIP+4		
Aston	PA	19014		
Phone	Ext	FAX	Email Address	
484 816 3302			abdul.bamgbose@monroe-energy.com	
NAICS Codes (Two- & Three-Digit Codes – List All That Apply)			6-Digit Code (Optional)	
424710; 486910				
Client to Site Relationship				
OWNOP				

FACILITY INFORMATION

Modification of Existing Facility	Yes	No
1. Will this project modify an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Will this project involve an addition to an existing facility, system, or activity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>If "Yes", check all relevant facility types and provide DEP facility identification numbers below.</i>		
Facility Type	DEP Fac ID#	Facility Type
<input type="checkbox"/> Air Emission Plant	_____	<input type="checkbox"/> Industrial Minerals Mining Operation
<input type="checkbox"/> Beneficial Use (water)	_____	<input type="checkbox"/> Laboratory Location
<input type="checkbox"/> Blasting Operation	_____	<input type="checkbox"/> Land Recycling Cleanup Location
<input type="checkbox"/> Captive Hazardous Waste Operation	_____	<input type="checkbox"/> Mine Drainage Treatment / Land Recycling Project Location
<input type="checkbox"/> Coal Ash Beneficial Use Operation	_____	<input type="checkbox"/> Municipal Waste Operation
<input type="checkbox"/> Coal Mining Operation	_____	<input type="checkbox"/> Oil & Gas Encroachment Location
<input type="checkbox"/> Coal Pillar Location	_____	<input type="checkbox"/> Oil & Gas Location
<input type="checkbox"/> Commercial Hazardous Waste Operation	_____	<input type="checkbox"/> Oil & Gas Water Poll Control Facility
<input type="checkbox"/> Dam Location	_____	<input type="checkbox"/> Public Water Supply System
<input type="checkbox"/> Deep Mine Safety Operation -Anthracite	_____	<input type="checkbox"/> Radiation Facility
<input type="checkbox"/> Deep Mine Safety Operation -Bituminous	_____	<input type="checkbox"/> Residual Waste Operation
<input type="checkbox"/> Deep Mine Safety Operation -Ind Minerals	_____	<input type="checkbox"/> Storage Tank Location
<input type="checkbox"/> Encroachment Location (water, wetland)	_____	<input type="checkbox"/> Water Pollution Control Facility
<input type="checkbox"/> Erosion & Sediment Control Facility	_____	<input type="checkbox"/> Water Resource
<input type="checkbox"/> Explosive Storage Location	_____	<input checked="" type="checkbox"/> Other: Discharge Water Treatment
		na

Latitude/Longitude Point of Origin	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	39	51	33	75	26	50
Horizontal Accuracy Measure	Feet	--or--		Meters		
Horizontal Reference Datum Code	<input type="checkbox"/>	North American Datum of 1927				
	<input type="checkbox"/>	North American Datum of 1983				
	<input checked="" type="checkbox"/>	World Geodetic System of 1984				
Horizontal Collection Method Code	GPS					
Reference Point Code	INPIP					
Altitude	Feet	237	--or--	Meters		
Altitude Datum Name	<input type="checkbox"/>	The National Geodetic Vertical Datum of 1929				
	<input checked="" type="checkbox"/>	The North American Vertical Datum of 1988 (NAVD88)				
Altitude (Vertical) Location Datum Collection Method Code						
Geometric Type Code	Point					
Data Collection Date						
Source Map Scale Number	Inch(es) =				Feet	
	--or--	Centimeter(s) =		Meters		

PROJECT INFORMATION

Project Name

Treated Water Temporary Discharge Authorization

Project Description

Temporary treatment of naturally discharging springwater/groundwater impacted with 1-2% hydrocarbon at the Site to NPDES Permit No. PA0011231 Outfall 002.

Project Consultant Last Name	First Name	MI	Suffix
Pilcher	Timothy	J	

Project Consultant Title	Consulting Firm
Senior Project Engineer	Weston Solutions, Inc.

Mailing Address Line 1	Mailing Address Line 2
302 Norton Road	

Address Last Line – City	State	ZIP+4
Stroudsburg	PA	18360

Phone	Ext	FAX	Email Address
570-856-9165			timothy.pilcher@westonsolutions.com

Time Schedules	Project Milestone (Optional)
9/8/25	Startup of water temporary treatment system
12/8/25 - 3/8/26	Shutdown of temporary water treatment system

1. Is the project located in or within a 0.5-mile radius of an Environmental Justice community as defined by DEP? Yes No

To determine if the project is located in or within a 0.5-mile radius of an environmental justice community, please use [the online PennEnviroScreen tool](#). To see specific EJ areas, select the appropriate year of your submittal from the themes box on the right.

2. Have you informed the surrounding community prior to submitting the application to the Department? Yes No

Method of notification: _____

3. Have you addressed community concerns that were identified? Yes No N/A

If no, please briefly describe the community concerns that have been expressed and not addressed.

4. Is your project funded by state or federal grants? Yes No

Note: If "Yes", specify what aspect of the project is related to the grant and provide the grant source, contact person and grant expiration date.

Aspect of Project Related to Grant _____

Grant Source: _____

Grant Contact Person: _____

Grant Expiration Date: _____

5. Is this application for an authorization on Appendix A of the Land Use Policy? (For referenced list, see Appendix A of the Land Use Policy attached to GIF instructions) Yes No

Note: If "No" to Question 5, [the application is not subject to the Land Use Policy](#).

If "Yes" to Question 5, the application is subject to this policy and the Applicant should answer the additional questions in the **Land Use Information** section.

LAND USE INFORMATION

Note: Applicants should submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

1. Is there an adopted county or multi-county comprehensive plan? Yes No

2. Is there a county stormwater management plan? Yes No

3. Is there an adopted municipal or multi-municipal comprehensive plan? Yes No

4. Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance? Yes No

Note: If the Applicant answers "No" to either Questions 1, 3 or 4, [the provisions of the PA MPC are not applicable and the Applicant does not need to respond to questions 5 and 6 below](#).

If the Applicant answers "Yes" to questions 1, 3 and 4, the Applicant should respond to questions 5 and 6 below.

5. Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval? If zoning approval has been received, attach documentation. Yes No

6. Have you attached Municipal and County Land Use Letters for the project? Yes No

COORDINATION INFORMATION

Note: The PA Historical and Museum Commission must be notified of proposed projects in accordance with DEP Technical Guidance Document 012-0700-001 [at PHMC's online portal, PA-SHARE](#).

If the activity will be a mining project (i.e., mining of coal or industrial minerals, coal refuse disposal and/or the operation of a coal or industrial minerals preparation/processing facility), respond to questions 1.0 through 2.5 below.

If the activity will not be a mining project, skip questions 1.0 through 2.5 and begin with question 3.0.

1.0	Is this a coal mining project? If "Yes", respond to 1.1-1.6. If "No", skip to Question 2.0.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
1.1	Will this coal mining project involve coal preparation/processing activities in which the total amount of coal prepared/processed will be equal to or greater than 200 tons/day?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
1.2	Will this coal mining project involve coal preparation/processing activities in which the total amount of coal prepared/processed will be greater than 50,000 tons/year?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
1.3	Will this coal mining project involve coal preparation/processing activities in which thermal coal dryers or pneumatic coal cleaners will be used?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
1.4	For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
1.5	Will this coal mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
1.6	Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
2.0	Is this a non-coal (industrial minerals) mining project? If "Yes", respond to 2.1-2.6. If "No", skip to Question 3.0.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2.1	Will this non-coal (industrial minerals) mining project involve the crushing and screening of non-coal minerals other than sand and gravel?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
2.2	Will this non-coal (industrial minerals) mining project involve the crushing and/or screening of sand and gravel with the exception of wet sand and gravel operations (screening only) and dry sand and gravel operations with a capacity of less than 150 tons/hour of unconsolidated materials?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
2.3	Will this non-coal (industrial minerals) mining project involve the construction, operation and/or modification of a portable non-metallic (i.e., non-coal) minerals processing plant under the authority of the General Permit for Portable Non-metallic Mineral Processing Plants (i.e., BAQ-PGPA/GP-3)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
2.4	For this non-coal (industrial minerals) mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

2.5	Will this non-coal (industrial minerals) mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0.1	Total Disturbed Acreage <0.1				
4.0.2	Will the project discharge or drain to a special protection water (EV or HQ) or an EV wetland?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
4.0.3	Will the project involve a construction activity that results in earth disturbance in the area of the earth disturbance that are contaminated at levels exceeding residential or non-residential medium-specific concentrations (MSCs) in 25 Pa. Code Chapter 250 at residential or non-residential construction sites, respectively?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
5.0	Does the project involve any of the following: water obstruction and/or encroachment, wetland impacts, or floodplain project by the Commonwealth/political subdivision or public utility? If "Yes", respond to 5.1-5.7. If "No", skip to Question 6.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

5.3	Floodplain Projects by the Commonwealth, a Political Subdivision of the Commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.4	Is your project an interstate transmission natural gas pipeline?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.5	Does your project consist of linear construction activities which result in earth disturbance in two or more DEP regions AND three or more counties?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.6	Does your project utilize Floodplain Restoration as a best management practice for Post Construction Stormwater Management?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.7	Does your project utilize Class V Gravity / Injection Wells as a best management practice for Post Construction Stormwater Management?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
6.0	Will the project involve discharge of construction related stormwater to a dry swale, surface water, ground water or separate storm water system?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
6.1	Will the project involve discharge of industrial waste stormwater or wastewater from an industrial activity or sewage to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
	8.0.1 Estimated Proposed Flow (gal/day)				
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0.1	Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year).	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
10.0.1	Gallons Per Year (residential septage)				
10.0.2	Dry Tons Per Year (biosolids)				

11.0 Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. Yes No

11.0.1 Dam Name _____

12.0 Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam. Yes No

12.0.1 Dam Name _____

13.0 Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? Yes No

13.0.1 If "Yes", is the operation subject to the agricultural exemption in 35 P.S. § 4004.1? Yes No

13.0.2 If the answer to 13.0.1 is "No", identify each type of emission followed by the estimated amount of that emission.

Enter all types & amounts of emissions; separate each set with semicolons.

14.0 Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes," check all proposed sub-facilities. Yes No

14.0.1 Number of Persons Served _____

14.0.2 Number of Employee/Guests _____

14.0.3 Number of Connections _____

14.0.4 Sub-Fac: Distribution System Yes No

14.0.5 Sub-Fac: Water Treatment Plant Yes No

14.0.6 Sub-Fac: Source Yes No

14.0.7 Sub-Fac: Pump Station Yes No

14.0.8 Sub-Fac: Transmission Main Yes No

14.0.9 Sub-Fac: Storage Facility Yes No

15.0 Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery? Yes No

16.0 Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project. Yes No

16.0.1 Supplier's Name _____

16.0.2 Letter of Approval from Supplier is Attached Yes No

17.0 Will this project be served by on-lot drinking water wells? Yes No

18.0 Will this project involve a new or increased drinking water withdrawal from a river, stream, spring, lake, well or other water bod(ies)? If "Yes," reference Safe Drinking Water Program. Yes No

18.0.1 Source Name _____

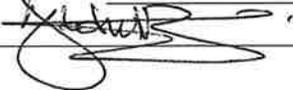
19.0	<p>Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes," indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.</p>	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
19.0.1	Type & Amount	Regenerated granular activated carbon. Amount TBD.			
20.0	<p>Will your project involve the removal of coal, minerals, contaminated media, or solid waste as part of any earth disturbance activities?</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0	<p>Does your project involve installation of a field constructed underground storage tank? If "Yes," list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
22.0	<p>Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes," list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
22.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
23.0	<p>Does your project involve installation of a tank greater than 1,100 gallons which will contain a highly hazardous substance as defined in DEP's Regulated Substances List, 2570-BK-DEP2724? If "Yes," list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
23.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
24.0	<p>Does your project involve installation of a storage tank at a new facility with a total AST capacity greater than 21,000 gallons? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
24.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
<p>NOTE: If the project includes the installation of a regulated storage tank system, including diesel emergency generator systems, the project may require the use of a Department Certified Tank Handler. For a full list of regulated storage tanks and substances, please go to www.dep.pa.gov search term storage tanks</p>					
25.0	<p>Will the intended activity involve the use of a radiation source?</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

CERTIFICATION

I certify that I have the authority to submit this application on behalf of the applicant named herein and that the information provided in this application is true and correct to the best of my knowledge and information.

For applicants supplying an EIN number: I am applying for a permit or authorization from the Pennsylvania Department of Environmental Protection (DEP). As part of this application, I will provide DEP with an accurate EIN number for the applicant entity. By filing this application with DEP, I hereby authorize DEP to confirm the accuracy of the EIN number provided with the Pennsylvania Department of Revenue. As applicant, I further consent to the Department of Revenue discussing the same with DEP prior to issuance of the Commonwealth permit or authorization.

Type or Print Name Abdul Bamgbose

	DOT Environmental Engineer	09/04/2025
Signature	Title	Date



ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Evans
Weston Solutions Inc
1400 Weston Way PO BOX 2653
West Chester, Pennsylvania 19380

Generated 9/4/2025 12:56:06 PM

JOB DESCRIPTION

MIPC Aston, PA

JOB NUMBER

410-238564-1

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Elizabeth Anthony, Project Mgmt. Assistant
elizabeth.anthony@et.eurofinsus.com
Designee for
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
- 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 is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.





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Definitions/Glossary

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.

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

Case Narrative

Client: Weston Solutions Inc
Project: MIPC Aston, PA

Job ID: 410-238564-1

Job ID: 410-238564-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-238564-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 8/22/2025 4:40 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 17.9°C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: Effluent (410-238564-1). 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.

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation. This does not meet regulatory requirements.

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 524.2_Preserved: Volatile compounds have been detected above the RL for the following sample: Effluent (410-238564-1). Since a field reagent blank/trip blank was not submitted, any potential contamination from the sampling/transport process cannot be assessed.

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

Gasoline Range Organics

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

Metals

Method 200.8 - Total Recoverable: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: Effluent (410-238564-1). The reporting limits (RLs) have been adjusted proportionately.

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

General Chemistry

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

Detection Summary

Client: Weston Solutions Inc
 Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Client Sample ID: Effluent

Lab Sample ID: 410-238564-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2700	cn	250	50	ug/L	500		524.2	Total/NA
1,3,5-Trimethylbenzene	690	cn	250	50	ug/L	500		524.2	Total/NA
Benzene	16000	cn	250	50	ug/L	500		524.2	Total/NA
Ethylbenzene	3900	cn	250	50	ug/L	500		524.2	Total/NA
Isopropylbenzene	120	J cn	250	50	ug/L	500		524.2	Total/NA
Naphthalene	220	J cn	250	100	ug/L	500		524.2	Total/NA
Xylene (total)	29000	cn	250	50	ug/L	500		524.2	Total/NA
Toluene - DL	44000		2500	500	ug/L	5000		524.2	Total/NA
GRO (1C)	170000		25000	12000	ug/L	500		8015D	Total/NA
Iron	300		250	100	ug/L		1	200.8 Rev 5.4	Total Recoverable
Manganese	51		10	4.8	ug/L		1	200.8 Rev 5.4	Total Recoverable
Hardness as calcium carbonate	25	!	2.1	0.90	mg/L		1	2340B-2011	Total/NA
Mg	2.9	!	0.20	0.080	mg/L		1	2340B-2011	Total/NA
Ca	5.4	!	0.50	0.23	mg/L		1	2340B-2011	Total/NA
Total Dissolved Solids	59		10	5.0	mg/L		1	2540C - 2015	Total/NA
Total Suspended Solids	3.0		3.0	1.0	mg/L		1	2540D-2015	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Client Sample ID: Effluent

Lab Sample ID: 410-238564-1

Date Collected: 08/22/25 12:30

Matrix: Water

Date Received: 08/22/25 16:40

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	2700	cn	250	50	ug/L			08/25/25 21:11	500
1,3,5-Trimethylbenzene	690	cn	250	50	ug/L			08/25/25 21:11	500
Benzene	16000	cn	250	50	ug/L			08/25/25 21:11	500
Ethylbenzene	3900	cn	250	50	ug/L			08/25/25 21:11	500
Isopropylbenzene	120	J cn	250	50	ug/L			08/25/25 21:11	500
Methyl tertiary butyl ether	<50	cn	250	50	ug/L			08/25/25 21:11	500
Naphthalene	220	J cn	250	100	ug/L			08/25/25 21:11	500
Xylene (total)	29000	cn	250	50	ug/L			08/25/25 21:11	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102	cn	80 - 120					08/25/25 21:11	500
1,2-Dichlorobenzene-d4 (Surr)	109	cn	80 - 120					08/25/25 21:11	500

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	44000		2500	500	ug/L			08/25/25 21:34	5000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120					08/25/25 21:34	5000
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120					08/25/25 21:34	5000

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	170000		25000	12000	ug/L			08/26/25 20:39	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	93		63 - 135					08/26/25 20:39	500

Method: EPA 200.8 Rev 5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	300		250	100	ug/L		09/01/25 20:30	09/02/25 19:26	1
Manganese	51		10	4.8	ug/L		09/01/25 20:30	09/02/25 19:26	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	25	!	2.1	0.90	mg/L			08/26/25 05:26	1
Mg	2.9	!	0.20	0.080	mg/L			08/26/25 05:26	1
Ca	5.4	!	0.50	0.23	mg/L			08/26/25 05:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	59		10	5.0	mg/L			08/25/25 16:46	1
Total Suspended Solids (SM 2540D-2015)	3.0		3.0	1.0	mg/L			08/26/25 10:22	1

Surrogate Summary

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCZ
		(80-120)	(80-120)
410-238564-1	Effluent	102 cn	109 cn
410-238564-1 - DL	Effluent	100	102
LCS 410-690148/4	Lab Control Sample	105	107
MB 410-690148/6	Method Blank	95	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TFT-F1
		(63-135)
410-238564-1	Effluent	93
LCS 410-690586/6	Lab Control Sample	87
LCSD 410-690586/7	Lab Control Sample Dup	84
MB 410-690586/5	Method Blank	97

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

QC Sample Results

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-690148/6
Matrix: Water
Analysis Batch: 690148

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1
1,3,5-Trimethylbenzene	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1
Benzene	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1
Ethylbenzene	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1
Isopropylbenzene	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1
Methyl tertiary butyl ether	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1
Naphthalene	<0.20		0.50	0.20	ug/L			08/25/25 13:26	1
Toluene	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1
Xylene (total)	<0.10		0.50	0.10	ug/L			08/25/25 13:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		08/25/25 13:26	1
1,2-Dichlorobenzene-d4 (Surr)	98		80 - 120		08/25/25 13:26	1

Lab Sample ID: LCS 410-690148/4
Matrix: Water
Analysis Batch: 690148

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	5.00	4.98		ug/L		100	70 - 130
1,3,5-Trimethylbenzene	5.00	4.92		ug/L		98	70 - 130
Benzene	5.00	4.80		ug/L		96	70 - 130
Ethylbenzene	5.00	4.85		ug/L		97	70 - 130
Isopropylbenzene	5.00	5.65		ug/L		113	70 - 130
Methyl tertiary butyl ether	5.00	4.53		ug/L		91	70 - 130
Naphthalene	5.00	4.90		ug/L		98	70 - 130
Toluene	5.00	4.93		ug/L		99	70 - 130
Xylene (total)	15.0	14.8		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		80 - 120
1,2-Dichlorobenzene-d4 (Surr)	107		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-690586/5
Matrix: Water
Analysis Batch: 690586

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			08/26/25 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	97		63 - 135		08/26/25 12:32	1

QC Sample Results

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 410-690586/6
Matrix: Water
Analysis Batch: 690586

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline (Unleaded) (1C)	1100	1060		ug/L		96	66 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (fid) (1C)	87		63 - 135				

Lab Sample ID: LCSD 410-690586/7
Matrix: Water
Analysis Batch: 690586

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline (Unleaded) (1C)	1100	1080		ug/L		98	66 - 120	1	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	84		63 - 135						

Method: 200.8 Rev 5.4 - Metals (ICP/MS)

Lab Sample ID: MB 410-693045/1-A
Matrix: Water
Analysis Batch: 693701

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 693045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<20		50	20	ug/L		09/01/25 20:30	09/02/25 16:46	1
Manganese	<0.95		2.0	0.95	ug/L		09/01/25 20:30	09/02/25 16:46	1

Lab Sample ID: LCS 410-693045/2-A
Matrix: Water
Analysis Batch: 693701

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 693045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5000	5220		ug/L		104	85 - 115
Manganese	500	523		ug/L		105	85 - 115
Calcium	5000	5380		ug/L		108	85 - 115
Magnesium	5000	5080		ug/L		102	85 - 115

Method: 2540C - 2015 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 410-690309/1
Matrix: Water
Analysis Batch: 690309

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		10	5.0	mg/L			08/25/25 16:46	1

QC Sample Results

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Method: 2540C - 2015 - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 410-690309/2
Matrix: Water
Analysis Batch: 690309

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	200	190		mg/L		95	90 - 110

Method: 2540D-2015 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 410-690670/1
Matrix: Water
Analysis Batch: 690670

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.0		3.0	1.0	mg/L			08/26/25 10:22	1

Lab Sample ID: LCS 410-690670/2
Matrix: Water
Analysis Batch: 690670

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	150	145		mg/L		97	89 - 105

QC Association Summary

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

GC/MS VOA

Analysis Batch: 690148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-238564-1	Effluent	Total/NA	Water	524.2	
410-238564-1 - DL	Effluent	Total/NA	Water	524.2	
MB 410-690148/6	Method Blank	Total/NA	Water	524.2	
LCS 410-690148/4	Lab Control Sample	Total/NA	Water	524.2	

GC VOA

Analysis Batch: 690586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-238564-1	Effluent	Total/NA	Water	8015D	
MB 410-690586/5	Method Blank	Total/NA	Water	8015D	
LCS 410-690586/6	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-690586/7	Lab Control Sample Dup	Total/NA	Water	8015D	

Metals

Analysis Batch: 685877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-238564-1	Effluent	Total/NA	Water	2340B-2011	

Prep Batch: 693045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-238564-1	Effluent	Total Recoverable	Water	200.8 Rev 5.4	
MB 410-693045/1-A	Method Blank	Total Recoverable	Water	200.8 Rev 5.4	
LCS 410-693045/2-A	Lab Control Sample	Total Recoverable	Water	200.8 Rev 5.4	

Analysis Batch: 693701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-238564-1	Effluent	Total Recoverable	Water	200.8 Rev 5.4	693045
MB 410-693045/1-A	Method Blank	Total Recoverable	Water	200.8 Rev 5.4	693045
LCS 410-693045/2-A	Lab Control Sample	Total Recoverable	Water	200.8 Rev 5.4	693045

General Chemistry

Analysis Batch: 690309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-238564-1	Effluent	Total/NA	Water	2540C - 2015	
MB 410-690309/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 410-690309/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 690670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-238564-1	Effluent	Total/NA	Water	2540D-2015	
MB 410-690670/1	Method Blank	Total/NA	Water	2540D-2015	
LCS 410-690670/2	Lab Control Sample	Total/NA	Water	2540D-2015	

Lab Chronicle

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Client Sample ID: Effluent

Lab Sample ID: 410-238564-1

Date Collected: 08/22/25 12:30

Matrix: Water

Date Received: 08/22/25 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		500	690148	UJML	ELLE	08/25/25 21:11
Total/NA	Analysis	524.2	DL	5000	690148	UJML	ELLE	08/25/25 21:34
Total/NA	Analysis	8015D		500	690586	P5AM	ELLE	08/26/25 20:39
Total Recoverable	Prep	200.8 Rev 5.4			693045	UAMX	ELLE	09/01/25 20:30
Total Recoverable	Analysis	200.8 Rev 5.4		1	693701	I9IN	ELLE	09/02/25 19:26
Total/NA	Analysis	2340B-2011		1	685877	USJM	ELLE	08/26/25 05:26
Total/NA	Analysis	2540C - 2015		1	690309	UOCA	ELLE	08/25/25 16:46
Total/NA	Analysis	2540D-2015		1	690670	M98K	ELLE	08/26/25 10:22 - 08/27/25 09:10 ¹

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Accreditation/Certification Summary

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-26

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
2340B-2011		Water	Ca
2340B-2011		Water	Hardness as calcium carbonate
2340B-2011		Water	Mg

Method Summary

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
200.8 Rev 5.4	Metals (ICP/MS)	EPA	ELLE
2340B-2011	Total Hardness (as CaCO3) by calculation	SM	ELLE
2540C - 2015	Solids, Total Dissolved (TDS)	SM	ELLE
2540D-2015	Solids, Total Suspended (TSS)	SM	ELLE
200.8 Rev 5.4	Preparation, Total Recoverable Metals	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Weston Solutions Inc
Project/Site: MIPC Aston, PA

Job ID: 410-238564-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-238564-1	Effluent	Water	08/22/25 12:30	08/22/25 16:40	Pennsylvania

1

2

3

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Login Sample Receipt Checklist

Client: Weston Solutions Inc

Job Number: 410-238564-1

Login Number: 238564

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McDonald, Teigan

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6C$, not frozen).	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6C$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	