

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0055174
APS ID 572967
Authorization ID 1406406

Applicant and Facility Information

Applicant Name	<u>Buckeye Pipeline Company, L.P.</u>	Facility Name	<u>Macungie Station</u>
Applicant Address	<u>5131 Buckeye Road</u> <u>Emmaus, PA 18049-5350</u>	Facility Address	<u>5131 Buckeye Road</u> <u>Macungie, PA 18062</u>
Applicant Contact	<u>Nathan Pratt, HSSE Specialist II</u>	Facility Contact	<u>Nathan Pratt, HSSE Specialist II</u>
Applicant Phone	<u>(484) 523-1616</u>	Facility Phone	<u>(484) 523-1616</u>
Client ID	<u>8033</u>	Site ID	<u>4858</u>
SIC Code	<u>4613</u>	Municipality	<u>Lower Macungie Township</u>
SIC Description	<u>Trans. & Utilities - Refined Petroleum Pipelines</u>	County	<u>Lehigh</u>
Date Application Received	<u>July 29, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 6, 2022</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit to discharge industrial wastewater and stormwater.</u>		

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge intermittent hydrostatic pressure test water from tanks/pipelines and industrial stormwater into an Unnamed Tributary to Swabia Creek, a High Quality, Cold-Water Fishery, Migratory Fish (HQ-CWF, MF) receiving stream in State Water Plan Basin 2-C (Lower Lehigh River). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use. This stream segment is not designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

The facility is a refined petroleum products transportation pipeline consisting of pipeline breakout and pumping stations.

Outfalls 001, 002, and 003 discharge industrial stormwater.

Internal monitoring points (IMPs) 201 and 203 are for the sampling for the intermittent hydrostatic pressure test water. The IMPs are not set locations for the hydrostatic test discharges. The actual discharge location will vary depending on what tank is to be tested. Water discharged from the hydrostatic tests runs through the stormwater pathways to the final Outfall 001 or 003. The sampling and monitoring point location will be labeled accordingly. Sampling data for the hydrostatic test water was not included with the permit renewal because testing has not occurred since November 2015. Stormwater & Wastewater Line Drawing and site plan with Outfalls and IMPs are provided on pages 3 & 4 of this fact sheet.

For hydrostatic testing, clean water is pumped into above-ground storage tanks onsite and is sampled to ensure that discharge limits will be met, and no treatment is required. Then the water is released to discharge to the stormwater outfalls.

Outfall 001 receives stormwater from the northern tanks dike and pipeline manifold area. Hydrostatic test waters would be received from the northern tank dikes.

Approve	Deny	Signatures	Date
X		/s/ Allison Seyfried / Project Manager	April 5, 2024
X		/s/ Amy M. Bellanca, P.E. / Acting Engineer Manager	4-19-24

Summary of Review

Outfall 002 receives stormwater from the pipe storage and emergency situation area.

Outfall 003 receives stormwater from the southern tank dike area. Hydrostatic test waters would be received from the southern tank dikes.

The previous permit also included IMPs for groundwater treatment system water that ultimately discharged to Outfall 001 and 003. The cover letter included with the permit renewal application indicated that the groundwater treatment systems are currently off and groundwater has not been discharged since July 7, 2015. A Remedial Action Closure Report was approved by the Department on December 3, 2021 to permanently decommission the North and South groundwater treatment systems. They were decommissioned and disconnected from the outfalls in April 2022. Therefore, the IMPs 101 and 103 have been removed from the permit.

The facility is categorized by SIC code 4613 (Refined Petroleum Pipelines). It was determined in previous permit renewals that the stormwater associated with Petroleum Marketing Terminals appendix is applicable for this site. This falls under Appendix L monitoring requirements of the PAG-03 general permit. The PAG-03 General Permit was recently updated; therefore, the monitoring/reporting parameters were updated to be consistent with the PAG-03 updated appendix. Semi-annual monitoring and reporting for Total Nitrogen, Total Phosphorous, Total Suspended Solids (TSS), and Oil & Grease are required under the PAG-03. Please note that Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

Benchmark values exist for TSS. A benchmark value is the concentration of a pollutant in stormwater discharges that serves as a threshold for the determination of whether existing site BMPs are effective in controlling stormwater pollution. The benchmark values can be found in Part C. III. F. of the permit.

The Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) monitoring requirements were carried over from the previous permit. The limitations for Oil & Grease were also carried over.

Total Volume of Flow was added as a monitoring requirement for IMPs 201 and 203 sampling requirements to be consistent with PAG-10 requirements. Monitoring for Ethylbenzene, Toluene, and Total Xylenes were maintained in the permit.

The Part C Conditions for Petroleum Marketing Terminal was updated.

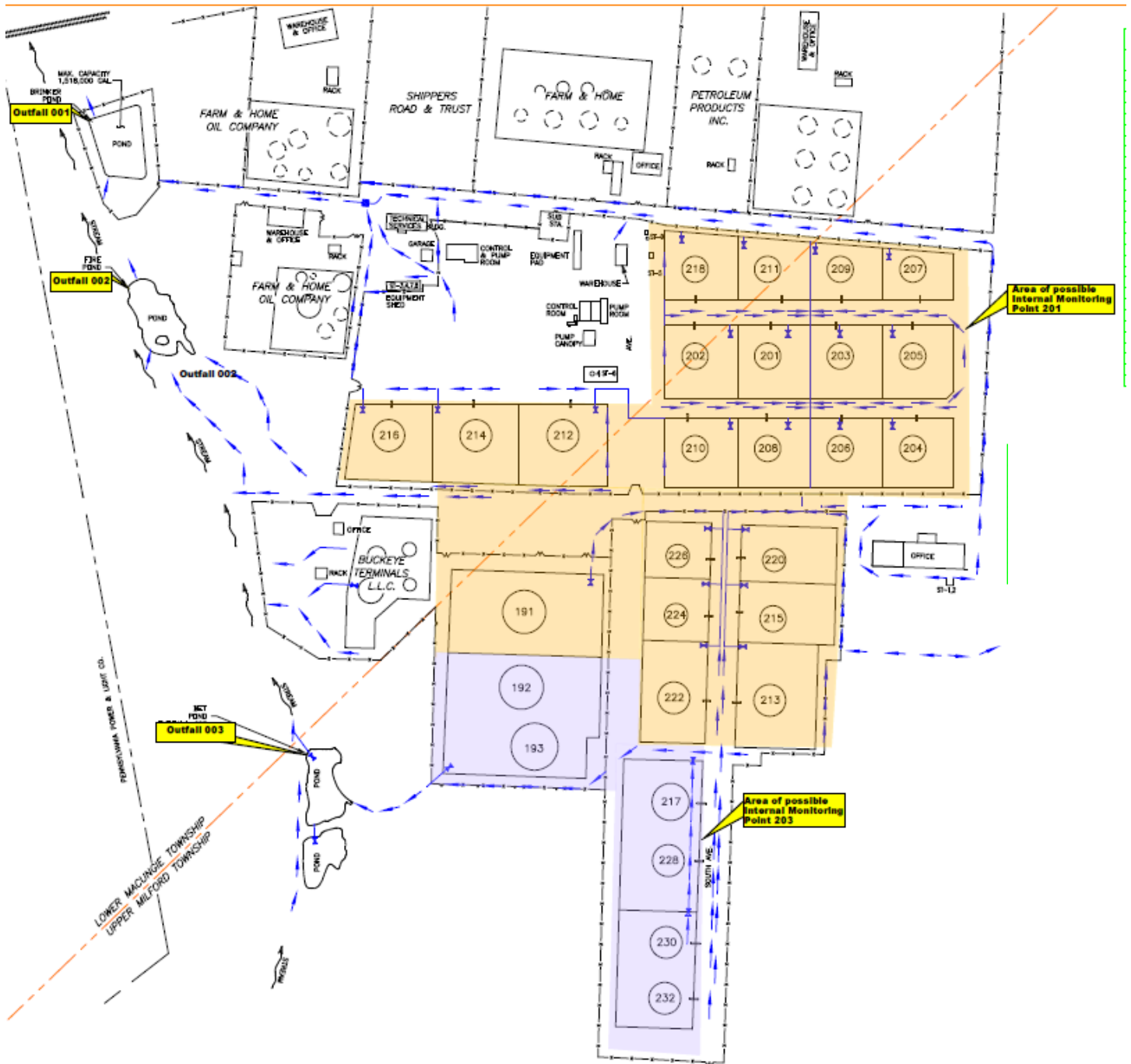
The existing permit expired on January 31, 2023 and the application for renewal was received on time.

A Water Management System Inspection query indicated that on January 24, 2024 a Compliance Evaluation was performed.

There are no open violations for this client that warrant withholding issuance of this permit.

Public Participation

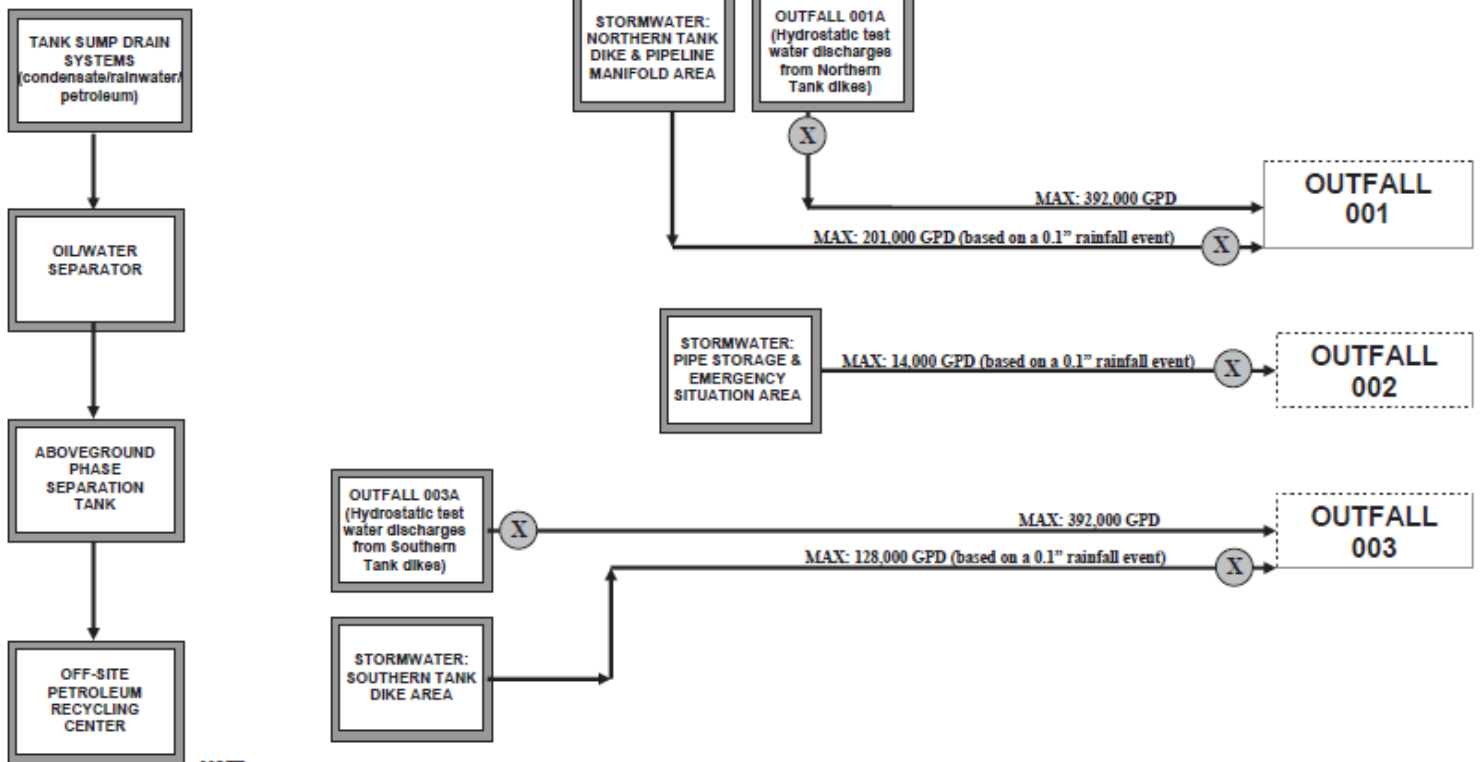
DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.



**BUCKEYE PIPE LINE COMPANY MACUNGIE STATION
STORMWATER & WASTEWATER LINE DRAWING**



Buckeye Pipe Line Company, L.P.
5002 Buckeye Road
Emmaus, Pennsylvania



NOTE:
Flow rates from Outfalls 001A and 003A are based on average discharge rates measured at the site.
The storm water flow rates are based on water accumulation during a 0.1 inch rainfall event.

X SAMPLING LOCATION

