

Application Type Amendment, Major
 Facility Type Industrial
 Major / Minor Minor

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

Application No. PA0012467 A-1
 APS ID 1027616
 Authorization ID 1334703

Applicant and Facility Information

Applicant Name	<u>Laurel Pipe Line Co. LP</u>	Facility Name	<u>Booth Station IWTP</u>
Applicant Address	<u>5002 Buckeye Road, P. O. Box 368 Emmaus, PA 18049-0368</u>	Facility Address	<u>3398 Garnet Mine Road Boothwyn, PA 19060-1720</u>
Applicant Contact	<u>Jeff Bruderek</u>	Facility Contact	<u>Dave Tench</u>
Applicant Phone	<u>(610) 904-4019</u>	Facility Phone	<u>(610) 358-9317</u>
Client ID	<u>52522</u>	Site ID	<u>237656</u>
SIC Code	<u>4613</u>	Municipality	<u>Bethel Township</u>
SIC Description	<u>Trans. & Utilities - Refined Petroleum Pipelines</u>	County	<u>Delaware</u>
Date Application Received	<u>November 16, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit amendment</u>		

Summary of Review

Applicant requests amendment of an existing NPDES permit for the intermittent discharge of treated groundwater.

The facility serves as a breakout tankage terminal and pumping station for delivery line in southern and western PA. On February 14, 2019, during a routine inspection of Tank 19, a release of unleaded gasoline was detected as a result of a crack in the floor of the tank. In response to the release, interim remedial actions were completed including vacuum extraction events, soil vapor extraction and pilot testing.

According to the ECB section, this project is not associated with Act 2 program or Storage Tank Program.

The proposed groundwater remediation system will include an oil/water separator, a series of particulate filters (to remove suspended solids), an air stripper, an additional series of particulate filters, and two 2,000-pound liquid-phase granular activated carbon (LGAC) vessels. It is estimated that treated groundwater will be discharged at an average flow rate of 30 gallons per minute (0.043 mgd).

System cleaning wastewaters shall be collected via vacuum truck and transported off-site for disposal.

It is proposed to discharge the treated groundwater to an unnamed tributary of Green Creek via the existing Outfall 001. The existing NPDES permit has only one outfall which is permitted to discharge stormwater and hydrostatic test water from the facility. The facility is in compliance with the existing permit requirements.

With this amendment an internal monitoring point 201 is incorporated into the permit to monitor the treated groundwater effluent from the remediation system. The samples shall be taken before mixing with other types of wastewater.

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	December 4, 2020
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	12/4/2020

Summary of Review

Based on the review of the application the following effluent requirements are recommended for IMP 201:

Parameter	Effluent limits (mg/l)	
	Average Monthly	Instant. Maximum
Flow (MGD)	Report	
Benzene	001	0.0025
Total BTEX	0.1	0.25
MTBE	Report	Report
TSS	30	75
pH (S.U.)	6.0 (Inst. Min)	9.0
Oil and Grease	15	30
Dissolved Iron		7.0

These limitations and requirements are consistent with the effluent limitations and requirements of General Permit for Petroleum Product Contaminated Groundwater Remediation Systems (PAG05).

No other changes are made to the permit.

Act 14 Notifications:

Bethel Township - November 9,2020
Delaware County - November 9,2020

Permit Conditions:

1. Acquire Necessary Property Rights
2. Proper Sludge Disposal
3. WQM Permit Requirement
4. BAT/BCT
5. Stormwater Requirements
6. Petroleum Transportation Facility Requirements
7. Groundwater Cleanup

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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.043</u>
Latitude	<u>39° 51' 2.93"</u>	Longitude	<u>-75° 29' 41.02"</u>
Quad Name	<u>Marcus Hook</u>	Quad Code	<u>2042</u>
Wastewater Description: <u>Groundwater Cleanup Discharge, Stormwater and hydrostatic test water</u>			
Receiving Waters	<u>UNT to Green Creek (CWF, MF)</u>	Stream Code	<u>00543</u>
NHD Com ID	<u>133387304</u>	RMI	<u>1.0</u>
Watershed No.	<u>3-G</u>	Chapter 93 Class.	<u>CWF, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>cause unknown, flow regime modification, habitat alterations, siltation</u>		
Source(s) of Impairment	<u>habitat modification - other than hydromodification, urban runoff/storm sewers</u>		

Compliance History

DMR Data for Outfall 001 (from November 1, 2019 to October 31, 2020)

Parameter	OCT-20	SEP-20	AUG-20	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19
pH (S.U.) Instantaneous Minimum		6.92			6.73			6.04			6.69	
pH (S.U.) Instantaneous Maximum		6.92			6.73			6.04			6.69	
TSS (mg/L) Average Quarterly		< 4.0			25.3			34			31.2	
Oil and Grease (mg/L) Average Quarterly		< 4.9			< 4.8			< 4.8			< 5.0	
Oil and Grease (mg/L) Instantaneous Maximum		< 4.9			< 4.8			< 4.8			< 5.0	
TRPH (mg/L) Average Quarterly		< 5.0			< 5.0			< 5.0			< 5.0	
TRPH (mg/L) Instantaneous Maximum		< 5.0			< 5.0			< 5.0			< 5.0	

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	15	XXX	30	1/quarter	Grab
TRPH	XXX	XXX	XXX	15.0	XXX	30.0	1/quarter	Grab

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Outfall 201, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	75.0	1/month	Grab
Oil and Grease	XXX	XXX	XXX	15	XXX	30	1/month	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	XXX	7.0	1/month	Grab
Benzene	XXX	XXX	XXX	0.001	XXX	0.0025	1/month	Grab
Total BTEX	XXX	XXX	XXX	0.1	XXX	0.25	1/month	Grab
MTBE	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab