

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0011088
APS ID 1015294
Authorization ID 1312193

Applicant and Facility Information

Applicant Name	<u>PBF Logistics Products Terminals LLC</u>	Facility Name	<u>PBF Logistics Products Essington Facility</u>
Applicant Address	<u>1 Sylvan Way Second Floor Parsippany, NJ 07054</u>	Facility Address	<u>6850 Essington Avenue Philadelphia, PA 19153</u>
Applicant Contact	<u>Stephen Brady</u>	Facility Contact	<u>John Grisi</u>
Applicant Phone	<u>(609) 317-5571</u>	Facility Phone	<u>(215) 937-6400</u>
Client ID	<u>326811</u>	Site ID	<u>452928</u>
SIC Code	<u>5171</u>	Municipality	<u>Philadelphia City</u>
SIC Description	<u>Wholesale Trade - Petroleum Bulk Stations And Terminals</u>	County	<u>Philadelphia</u>
Date Application Received	<u>April 15, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit Renewal.</u>		

Summary of Review

The permittee has submitted a renewal application to discharge stormwater runoffs from referenced facility to Schuylkill River (WWF, MF) through 2 (two) outfalls.

The facility is known as petroleum bulk storage plant and terminal.

The site drainage system has been modified and discharge that previously flowed through Outfalls 03, 004 and 005 directed to Outfall 001.

Currently all issues are resolved, and facility is working in satisfactory condition.

DEP has conducted site inspections on 03/26/2019, 03/29/2019 and 04/04/2019 following investigation of a 3/5/19 report of an unknown sheen on the Schuylkill River.

Since the stormwater is rerouted DEP has requested evaluation of two oil-water separators to check ability to properly treat the stormwater from the new drainage area and not result in new violations. On December 8 Mr. Fullmer (director of Geoservices, consultant of the permittee) has sent email with Vince Shear and Michael Pettit, PE evaluation of the existing oil/water separator that have been accepted.

Previously established parameters of concern quarterly (for pH (6-9 STU), Oil and Grease (15 mg/l ave. and 30 mg/l I max); and TSS (100 mg/l ave) and semi-annual reporting (for COD, TKN, TP and Diss. Iron) will be proposed for both outfalls with applicable SW BMP's for their SIC 5171 (Wholesale Trade - Petroleum Bulk Stations And Terminals).

Act 14 Notification:

Approve	Deny	Signatures	Date
X		<i>Begay Omuralieva</i> Begay Omuralieva / Environmental Engineering Specialist	December 29, 2020
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	12/29/2020

Summary of Review

Philadelphia City Planning Commission had received notification on 3/12/2020, by certified mail regarding this application to the Department.

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>002</u>		
Latitude	<u>39° 54' 20.47"</u>	Longitude	<u>-75° 12' 56.07"</u>
Quad Name		Quad Code	
Wastewater Description: <u>Stormwater from bulk petroleum storage terminal (tank areas)</u>			
Receiving Waters	<u>Schuylkill River (WWF, MF)</u>	Stream Code	<u>00833</u>
NHD Com ID	<u>25988868</u>	RMI	
Drainage Area	<u>275,650 sq ft</u>	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)		Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	<u>3-F</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>POLYCHLORINATED BIPHENYLS (PCBS), POLYCHLORINATED BIPHENYLS (PCBS),</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN,</u>		
TMDL Status	<u>Final</u>	Name	<u>Schuylkill River PCB TMDL</u>

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>		
Latitude	<u>39° 54' 16.69"</u>	Longitude	<u>-75° 13' 16.62"</u>
Quad Name		Quad Code	
Wastewater Description: <u>Stormwater from bulk petroleum storage terminal (distribution areas)</u>			
Receiving Waters	<u>Unnamed Tributary to Schuylkill River</u>	Stream Code	<u>00833</u>
NHD Com ID	<u>25988660</u>	RMI	
Drainage Area	<u>5,534 sq ft</u>	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)		Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	<u>3-F</u>	Chapter 93 Class.	
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>POLYCHLORINATED BIPHENYLS (PCBS), POLYCHLORINATED BIPHENYLS (PCBS),</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN,</u>		
TMDL Status	<u>Final</u>	Name	

Changes Since Last Permit Issuance: Outfall 003, 004 and 005 has been diverted to Outfall 001

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
Flow (GPM) Daily Maximum		0.48			0.24			0.24			0.34	
pH (S.U.) Instantaneous Minimum		6.99			7.16			8.06			6.94	
pH (S.U.) Instantaneous Maximum		6.99			7.16			8.06			6.94	
Oil and Grease (mg/L) Average Quarterly		< 5.7			< 6.3			< 6.1			< 4.0	
Oil and Grease (mg/L) Instantaneous Maximum		< 5.7			< 6.3			< 6.1			< 4.0	

DMR Data for Outfall 002 (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
Flow (GPM) Daily Maximum		23.73			11.88			11.72			16.9	
pH (S.U.) Instantaneous Minimum		7.81			7.55			7.38			7.45	
pH (S.U.) Instantaneous Maximum		7.81			7.55			7.38			7.45	
Oil and Grease (mg/L) Average Quarterly		< 5.7			< 6.4			< 6.0			< 3.9	
Oil and Grease (mg/L) Instantaneous Maximum		< 5.7			< 6.4			< 6.0			< 3.9	

DMR Data for Outfall 003 (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.) Daily Maximum											7.60	

**NPDES Permit Fact Sheet
Pbf Logistics Products Terminals LLC**

NPDES Permit No. PA0011088

CBOD5 (mg/L) Daily Maximum												7.4	
COD (mg/L) Daily Maximum												45.0	
TSS (mg/L) Daily Maximum												11.0	
Oil and Grease (mg/L) Daily Maximum												< 4.0	
TKN (mg/L) Daily Maximum												2.1	
Total Phosphorus (mg/L) Daily Maximum												< 0.10	
Dissolved Iron (mg/L) Daily Maximum												< 0.06	

DMR Data for Outfall 004 (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.) Daily Maximum											7.60	
CBOD5 (mg/L) Daily Maximum											7.3	
COD (mg/L) Daily Maximum											43.0	
TSS (mg/L) Daily Maximum											11.0	
Oil and Grease (mg/L) Daily Maximum											< 4.1	
TKN (mg/L) Daily Maximum											1.8	
Total Phosphorus (mg/L) Daily Maximum											< 0.10	
Dissolved Iron (mg/L) Daily Maximum											< 0.060	

DMR Data for Outfall 005 (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.) Daily Maximum											7.60	

NPDES Permit Fact Sheet
Pbf Logistics Products Terminals LLC

NPDES Permit No. PA0011088

CBOD5 (mg/L) Daily Maximum												7.0	
COD (mg/L) Daily Maximum												43.0	
TSS (mg/L) Daily Maximum												8.0	
Oil and Grease (mg/L) Daily Maximum												< 3.9	
TKN (mg/L) Daily Maximum												1.7	
Total Phosphorus (mg/L) Daily Maximum												< 0.10	
Dissolved Iron (mg/L) Daily Maximum												< 0.06	

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	Quarterly Average	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
Chemical Oxygen Demand (COD)	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	100.0	XXX	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30	1/quarter	Grab
Total Kjeldahl Nitrogen	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab
Iron, Dissolved	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001

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 002, 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	Quarterly Average	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
Chemical Oxygen Demand (COD)	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	100.0	XXX	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30	1/quarter	Grab
Total Kjeldahl Nitrogen	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab
Iron, Dissolved	XXX	XXX	XXX	Report SEMI AVG	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 002

Other Comments: