



Application Type
Facility Type
Major / Minor

Renewal
Storm Water
Minor

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

Application No. **PA0056430**
APS ID **1129592**
Authorization ID **1513643**

Applicant and Facility Information

Applicant Name	Energy Transfer Marketing & Terminals LP	Facility Name	Fort Mifflin Terminal
Applicant Address	100 Green Street Marcus Hook, PA 19061	Facility Address	4 Hog Island Road Philadelphia, PA 19153
Applicant Contact	Erika Ezzo	Facility Contact	John D'Ambrosio
Applicant Phone	(610) 859-3309	Facility Phone	(215) 783-7066
Client ID	161585	Site ID	444985
SIC Code	4226	Municipality	Tinicum Township
SIC Description	Trans. & Utilities - Special Warehousing and Storage, Nec	County	Delaware
Date Application Received	January 8, 2025	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	Permit Renewal		

Summary of Review

Applicant requests renewal of an NPDES permit to discharge stormwater from Fort Mifflin Terminal.

The facility is inactive. Formerly the facility received crude oil at two docks along the Delaware River. There is containment on the docks that collects any incidental spills or leaks that may occur during the process. The facility used to handle about 5-7 vessels per week, however the last shipment was received in June 2019.

Stormwater collected onsite in tank dikes is directed to Outfall 001. Also, facility conducts hydrostatic testing of above ground storage tanks as part of regulatory compliance inspections as needed. Facility conducts light pressure washing on facility equipment (tanks, pipes, etc.) without any soaps or detergents as needed. Outfalls 002 and 003 discharge collected stormwater from containment areas on Docks A and B.

Stormwater outfalls are visually inspected after significant rain events and before every discharge. Maintenance performed as needed.

Sample analyses results are provided in the application. Review shows no concern.

DEP inspection was conducted at the site on 3-18-2024. No violations were noted.
No comments received from Operations Section.

Based on the DMRs and inspection report the facility is in compliance with the permit requirements.

The following limits are recommended for the draft permit:

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	February 11, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	02/11/2025

Summary of Review

Parameters	Limits (mg/l) / basis
Oil and Grease	15 (Chapter 95.2)
TRPH	15 (BPJ)
TSS	Report (PAG03)
pH	6.0 to 9.0 SU (Chapter 95.2)
Total Nitrogen	Report*
Total Phosphorus	Report*

*These are new requirements which are consistent with Appendix L of the PAG03 General Permit for Discharges of Stormwater associated with Industrial Activity. Appendix L of the PAG03 is applicable for this type of facilities.

Outfall 002 is representative of Outfall 003 based on the activities at the drainage areas. Outfall 003 is not required to be monitored.

Since the drainage area is small and discharge is not continuous, it should not be an issue for PCBs. There is a PCB TMDL for Delaware River, however no monitoring is included for PCBs.

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.

Act 14 Notifications:

Tinicum Township - December 23, 2024
Delaware County - December 12, 2024

Permit Conditions:

1. Stormwater Outfalls
2. BMPs
3. Stormwater Monitoring
4. Routine Inspections
5. PPC Plan
6. Acquire Necessary Property Rights
7. Proper Sludge Disposal

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0
Latitude	39° 52' 19.20"	Longitude	-75° 12' 57.32"
Quad Name	Woodbury	Quad Code	2044
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to Delaware River (WWF)	Stream Code	0002
NHD Com ID	133072412	RMI	90.9
Watershed No.	3-F	Chapter 93 Class.	WWF
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS)		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	39° 52' 9.80"	Longitude	-75° 12' 54.72"
Quad Name	Woodbury	Quad Code	2044
Wastewater Description:	Stormwater		
Receiving Waters	Delaware River (WWF, MF)	Stream Code	0002
NHD Com ID	133072413	RMI	90.7
Watershed No.	3-F	Chapter 93 Class.	WWF, MF
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS)		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	003	Design Flow (MGD)	0
Latitude	39° 52' 9.80"	Longitude	-75° 12' 54.72"
Quad Name	Woodbury	Quad Code	2044
Wastewater Description:	Stormwater		
Receiving Waters	Delaware River (WWF, MF)	Stream Code	0002
NHD Com ID	133072413	RMI	90.8
Watershed No.	3-F	Chapter 93 Class.	WWF, MF
Assessment Status	Impaired		
Cause(s) of Impairment	polychlorinated biphenyls (PCBs)		
Source(s) of Impairment	source unknown		
TMDL Status	Final	Name	Delaware River Estuary PCB TMDLs

Compliance History

DMR Data for Outfall 001 (from January 1, 2024 to December 31, 2024)

Parameter	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24
pH (S.U.) Instantaneous Minimum	7.7			8.1			7.8			7.9		
pH (S.U.) Instantaneous Maximum	7.7			8.1			7.8			7.9		
TSS (mg/L) Average Quarterly	3.7			7.9			< 3.0			< 3.0		
Oil and Grease (mg/L) Average Quarterly	< 5.3			< 5.4			< 5.2			< 5.3		
Oil and Grease (mg/L) Instantaneous Maximum	< 5.3			< 5.4			< 5.2			< 5.3		
TRPH (mg/L) Average Quarterly	< 5.3			< 5.4			< 5.2			< 5.3		
TRPH (mg/L) Instantaneous Maximum	< 5.3			< 5.4			< 5.2			< 5.3		

DMR Data for Outfall 002 (from January 1, 2024 to December 31, 2024)

Parameter	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24
pH (S.U.) Instantaneous Minimum	7.8			7.9			7.7			7.8		
pH (S.U.) Instantaneous Maximum	7.8			7.9			7.7			7.8		
TSS (mg/L) Average Quarterly	3.0			6.3			< 3.0			< 3.0		
Oil and Grease (mg/L) Average Quarterly	< 5.4			< 5.3			< 5.5			< 5.3		
Oil and Grease (mg/L) Instantaneous Maximum	< 5.4			< 5.3			< 5.5			< 5.3		

NPDES Permit Fact Sheet
Fort Mifflin Terminal

NPDES Permit No. PA0056430

TRPH (mg/L) Average Quarterly	< 5.4			< 5.3			< 5.5			< 5.3		
TRPH (mg/L) Instantaneous Maximum	< 5.4			< 5.3			< 5.5			< 5.3		

Compliance History

No noncompliance

Proposed Effluent Limitations and Monitoring Requirements

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
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

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" (386-0400-001), 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	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
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab