pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0035297**
Facility Type	**Storm Water**	APS ID	**1109039**
Major / Minor	**Minor**	Authorization ID	**1476016**

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

Applicant and Facility Information

Applicant Name	**Energy Transfer Marketing & Terminals LP**	Facility Name	**Twin Oaks Terminal**
Applicant Address	4041 Market Street Aston, PA 19014	Facility Address	4041 Market Street Aston, PA 19014
Applicant Contact	Louis Gonzalves	Facility Contact	James McClintock
Applicant Phone	(610) 859-5403	Facility Phone	(610) 859-5413
Client ID	161585	Site ID	2387
SIC Code	5171	Municipality	Upper Chichester Township
SIC Description	Wholesale Trade - Petroleum Bulk Stations and Terminals	County	Delaware
Date Application Received	February 21, 2024	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	Permit Renewal		

Summary of Review

The applicant requests approval for the renewal of an NPDES permit to discharge stormwater runoff from a petroleum marketing terminal.

The facility is a bulk marketing terminal for distributing distillate, gasoline and ethanol products. The facility includes one tank farm with an earthen dike to hold product, tank truck loading racks, an ethanol unloading area, a truck maintenance garage, two oil water separators, a vapor recovery unit, a vapor combustion unit, a Pipeline manifold, and offices. All petroleum products enter the facility via the Pipeline or are delivered by tank truck. Truck deliveries are transferred at either the ethanol unloading pad or from bay 9 of the loading rack. All petroleum products leave the facility by tank truck. All product tanks are welded steel, aboveground tanks. All field constructed aboveground storage tanks are within containment dikes that are designated to contain at least 110% of the largest tank's volume plus adequate freeboard for precipitation.

Facility also does maintenance activities to clean the exterior of above ground storage tanks and the exterior of piping and equipment. A municipal water source is used when cleaning, no detergents or chemicals are used.

Hydrostatic testing of tanks also occurs at the site when a tank requires significant repair, on an as needed basis.

No comments received from Operations Section.

The receiving stream is impaired due to unknown causes and siltation. Review of sampling results shows no concern.

The existing effluent limits for pH, TSS, Oil and Grease and TRPH are carried over to the new permit.

Approve	Deny	Signatures	Date
X		*Sara Abraham* Sara Reji Abraham, E.I.T. / Project Manager	March 11, 2024
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	03/11/2024

Summary of Review

Monitoring requirements for Total Nitrogen and Total Phosphorus are also included in consistent with the general stormwater permit (PAG 03 appendix L).

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:

Upper Chichester Township - February 16, 2024
Delaware County - February 16, 2024

Permit Conditions:

1. Stormwater Outfalls
2. Best Management Practices
3. Stormwater Monitoring
4. Routine Inspections
5. PPC Plan
6. Acquiring Necessary Property Rights
7. Proper Sludge Disposal
8. TMDL/WLA Analysis

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0
Latitude	39º 51' 8.57"	Longitude	-75º 25' 35.49"
Quad Name	Marcus Hook	Quad Code	09-22-33
Wastewater Description:	Stormwater		
Receiving Waters	Dutton Run (tributary to Baldwin Run) (WWF, MF)	Stream Code	00525
NHD Com ID	25602633	RMI	0.227
Watershed No.	3-G	Chapter 93 Class.	WWF, MF
Assessment Status	Impaired		
Cause(s) of Impairment	cause unknown, flow regime modification, habitat alterations, siltation		
Source(s) of Impairment	habitat modification - other than hydromodification, urban runoff/storm sewers		

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	002	Design Flow (MGD)	0
Latitude	39º 51' 7.54"	Longitude	-75º 25' 24.08"
Quad Name	Marcus Hook	Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Dutton Run (tributary to Baldwin Run) (WWF, MF)	Stream Code	00525
NHD Com ID	25602633	RMI	0.227
Watershed No.	3-G	Chapter 93 Class.	WWF, MF
Assessment Status	Impaired		
Cause(s) of Impairment	cause unknown, flow regime modification, habitat alterations, siltation		
Source(s) of Impairment	habitat modification - other than hydromodification, urban runoff/storm sewers		

Compliance History

DMR Data for Outfall 001 (from February 1, 2023 to January 31, 2024)

Parameter	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23	FEB-23
Flow (GPD) Daily Maximum		10000			10000			E			10000	
pH (S.U.) Instantaneous Minimum		7.4			8.1			E			7.8	
pH (S.U.) Instantaneous Maximum		7.4			8.1			E			7.8	
TSS (mg/L) Daily Maximum		4.7			< 3.0			E			< 3.0	
Oil and Grease (mg/L) Average Quarterly		< 7.4			< 7.0			E			< 5.7	
Oil and Grease (mg/L) Instantaneous Maximum		< 7.4			< 7.0			E			< 5.7	
TRPH (mg/L) Average Quarterly		< 7.4			< 7.0			E			< 5.7	
TRPH (mg/L) Instantaneous Maximum		< 7.4			< 7.0			E			< 5.7	

DMR Data for Outfall 002 (from February 1, 2023 to January 31, 2024)

Parameter	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23	FEB-23
Flow (GPD) Daily Maximum		10000			10000			E			10000	
pH (S.U.) Instantaneous Minimum		7.6			7.8			E			7.4	
pH (S.U.) Instantaneous Maximum		7.6			7.8			E			7.4	
TSS (mg/L) Daily Maximum		9.7			23			E			13.0	
Oil and Grease (mg/L) Average Quarterly		< 7.4			< 6.8			E			< 5.8	

Oil and Grease (mg/L) Instantaneous Maximum		< 7.4			< 6.8			E			< 5.8	
TRPH (mg/L) Average Quarterly		< 7.4			< 6.8			E			< 5.8	
TRPH (mg/L) Instantaneous Maximum		< 7.4			< 6.8			E			< 5.8	

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	Daily Maximum	Instant. Maximum		
Flow (GPD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	1/quarter	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
TSS	XXX	XXX	XXX	XXX	Report	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	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Proposed Effluent Limitations and Monitoring Requirements

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	Daily Maximum	Instant. Maximum		
Flow (GPD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	1/quarter	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
TSS	XXX	XXX	XXX	XXX	Report	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	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab