

Application Type Renewal  
Facility Type Industrial  
Major / Minor Minor

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

Application No. PA0220817  
APS ID 1043164  
Authorization ID 1361546

**Applicant and Facility Information**

Applicant Name	<u>TA Operating, LLC</u>	Facility Name	<u>Travel Centers of America Barkeyville</u>
Applicant Address	<u>24601 Center Ridge Road, Suite 200</u> <u>Westlake, OH 44145</u>	Facility Address	<u>5644 State Route 8</u> <u>Harrisville, PA 16038</u>
Applicant Contact	<u>Clayton Barns (cbarns@ta-petro.com)</u>	Facility Contact	<u>Harry Fairlamb (gm067@ta-petro.com)</u>
Applicant Phone	<u>(440) 808-4431</u>	Facility Phone	<u>(814) 786-7988, ext. 8,1</u>
Client ID	<u>143854</u>	Site ID	<u>536330</u>
SIC Code	<u>5541</u>	Municipality	<u>Barkeyville Borough</u>
SIC Description	<u>Retail Trade - Gasoline Service Stations</u>	County	<u>Venango County</u>
Date Application Received	<u>July 2, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 15, 2021</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of an existing NPDES Permit for an existing discharge of stormwater runoff from a gasoline and diesel rest stop.</u>		

**Summary of Review**

Act 14 - Proof of Notification was submitted and received.  
This facility is not subject to any ELGs.  
A Part II Water Quality Management permit is not required at this time.  
The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

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|---|--|
| I. OTHER REQUIREMENTS:                              | SPECIAL CONDITIONS:                                  |
| A. Right of way                                     | II. Requirements Applicable to Stormwater Outfalls   |
| B. Solids handling                                  | III. Petroleum Marketing Terminals                   |
| C. NPDES Permit Supersedes WQM Permits              | IV. Additional Monitoring and Reporting Requirements |
| D. Modification or Revocation for changes to BAT or |  |

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.

There are no open violations in efacts associated with the subject Client ID (143584) as of 5/25/2022.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	5/25/2022 AJP 5/26/2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	6/3/2022

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.295</u>
Latitude	<u>41° 12' 0.00"</u>	Longitude	<u>-79° 58' 44.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Tributary to the East Branch Wolf Creek</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>126216158</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>-</u>	Name	<u>-</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company - Ellwood City</u>		
PWS Waters	<u>Slippery Rock Creek</u>	Flow at Intake (cfs)	<u>53.1</u>
PWS RMI	<u>0.1</u>	Distance from Outfall (mi)	<u>34.0</u>

No modeling was performed since this discharge consists of stormwater runoff from a gasoline and diesel rest stop.

The Permittee requested that this facility be considered for a PAG-03 General Permit similar to two other facilities in Harborcreek, PA and Brookville, PA. However, the PAG-03 General Permit has not been renewed state-wide, so issuance of new PAG-03 permits is not possible at this time. Instead, since the eDMR data looks good and the Permittee is in compliance, the monitoring frequencies for this renewal have been reduced from once per month to once every six months, which is the frequency used in the PAG-03 Permit.

Antibacksliding: Based on 40 CFR §122.44(l)(i)(A) and 40 CFR §122.44(l)(i)(B)(1), this permit can be renewed with modifications to contain less stringent effluent limitations.

Monitoring for Total Recoverable Petroleum Hydrocarbons and BTEX was added previously to Outfall 001 to ensure the oil/water separator was functioning correctly.

Compliance History

DMR Data for Outfall 001 (from April 1, 2021 to March 31, 2022)

Parameter	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21
Flow (MGD) Average Monthly	0.90	0.5760		0.432	0.288	0.072	0.288	0.338	0.036	0.126	0.1441	0.0073
pH (S.U.) Minimum	8.75	E		7.05	8.6	8.2	8.1	7.85	7.15	7.15	7.8	8.2
pH (S.U.) Maximum	8.75	E		7.05	8.6	8.2	8.1	7.85	7.15	7.45	7.8	8.2
TSS (mg/L) Average Monthly	13	7		4	8	20	9	16	54	30	8	< 6.0
Oil and Grease (mg/L) Average Monthly	< 5	< 5		< 5	< 5	< 5	< 5.0	< 5	< 4.8	< 4.8	< 4.8	< 4.8
Oil and Grease (mg/L) Instantaneous Maximum	< 5	< 5		< 5	< 5	< 5	< 5.0	< 5	< 4.8	< 4.8	< 4.8	< 4.8
TRPH (mg/L) Semi-Annual Average				0.17						0.18		
Total BTEX (mg/L) Semi-Annual Average				< 0.003						< 3		

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report SEMI AVG	XXX	XXX	XXX	XXX	XXX	1/6 months	Measured
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/6 months	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
TRPH	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total BTEX	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001.

Flow, pH, Total Recoverable Petroleum Hydrocarbons, and BTEX are monitor only based on Chapter 92a.61. Monitoring for Total Suspended Solids and Oil and Grease is based on Appendix L for Petroleum Marketing Terminals under the PAG-03 General Permit issued in 9/2016.

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>004</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>41° 12' 0.00"</u>	Longitude	<u>-79° 58' 30.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			

Receiving Waters	<u>Unnamed Tributary to the East Branch Wolf Creek (CWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>126216158</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>-</u>	Name	<u>-</u>

Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>

Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company - Ellwood City</u>		
PWS Waters	<u>Slippery Rock Creek</u>	Flow at Intake (cfs)	<u>53.1</u>
PWS RMI	<u>0.1</u>	Distance from Outfall (mi)	<u>34.0</u>

Wash water and spills inside the truck service station flow through a trench drain into a capped oil-water separator and are then removed by a vac truck approximately once per month. This change was made during the last permit cycle.

No modeling was performed since this discharge consists of stormwater and minimal wash-down runoff from a gasoline and diesel rest stop.

Similar to Outfall 001, since the eDMR data looks good and the Permittee is in compliance, the monitoring frequencies for this renewal have been reduced from once per month to once every six months, which is the frequency used in the PAG-03 Permit.

Antibacksliding: Based on 40 CFR §122.44(l)(i)(A) and 40 CFR §122.44(l)(i)(B)(1), this permit can be renewed with modifications to contain less stringent effluent limitations.

Monitoring for Total Recoverable Petroleum Hydrocarbons and BTEX was added previously to Outfall 001 to ensure the oil/water separator was functioning correctly. Since there is an oil/water separator at Outfall 004, and it receives wash-down from the diesel fuel lanes, monitoring for Total Recoverable Petroleum Hydrocarbons and BTEX will be added with this renewal.

**Compliance History**

**DMR Data for Outfall 004 (from April 1, 2021 to March 31, 2022)**

Parameter	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21
Flow (MGD) Average Monthly	0.361	0.2880		0.0022	0.0720	0.0086	0.0007	0.037	0.036	0.001	0.0367	0.043
pH (S.U.) Minimum	8.6	E		7.85	8.25	7.45	7.65	7.70	7.95	7.44	8.8	8.0
pH (S.U.) Maximum	8.6	E		7.85	8.25	7.45	7.65	7.70	7.95	7.71	8.8	8.0
TSS (mg/L) Average Monthly	32	121		4	< 4	7	6.0	< 4	8	7	5.5	25.5
Oil and Grease (mg/L) Average Monthly	< 5	< 5		< 5	< 5	< 5	< 5.0	< 5	< 4.8	< 4.8	< 4.8	< 4.8
Oil and Grease (mg/L) Instantaneous Maximum	< 5	< 5		< 5	< 5	< 5	< 5.0	< 5	< 4.8	< 4.8	< 4.8	< 4.8

**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 004, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/6 months	Measured
pH (S.U.)	XXX	XXX	Report	XXX	XXX	Report	1/6 months	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
TRPH	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total BTEX	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 004.

Flow, pH, Total Recoverable Petroleum Hydrocarbons, and BTEX are monitor only based on Chapter 92a.61. Monitoring for Total Suspended Solids and Oil and Grease is based on Appendix L for Petroleum Marketing Terminals under the PAG-03 General Permit issued in 9/2016.