

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0289833
APS ID 1044440
Authorization ID 1363559

Applicant and Facility Information

Applicant Name	<u>Barnhart Transportation, LLC</u>	Facility Name	<u>Barnhart Transportation</u>
Applicant Address	<u>PO Box 247</u> <u>Harborcreek, PA 16421</u>	Facility Address	<u>9251 West Main Road</u> <u>North East, PA 16428</u>
Applicant Contact	<u>Timothy Barnhart</u>	Facility Contact	<u>Timothy Barnhart</u>
Applicant Phone	<u>(814) 347-5254</u>	Facility Phone	<u>(814) 347-5254</u>
Client ID	<u>291074</u>	Site ID	<u>835658</u>
SIC Code	<u>4213</u>	Municipality	<u>North East Township</u>
SIC Description	<u>Trans. & Utilities - Trucking, Except Local</u>	County	<u>Erie County</u>
Date Application Received	<u>July 27, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>August 3, 2021</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>New NPDES permit for an existing discharge of stormwater related to industrial activities.</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.

SPECIAL CONDITIONS:

- I. Stormwater Outfalls and Authorized Non-Stormwater Discharges
- II. Best Management Practices (BMPs)
- III. Routine Inspections
- IV. Preparedness, Prevention and Contingency (PPC) Plan
- V. Stormwater Monitoring Requirements
- VI. Other Requirements

There are no open violations in effects associated with the subject Client ID (291074) as of 2/24/2022

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	2/24/2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	3/1/2022

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>42° 11' 29.1"</u>	Longitude	<u>-79° 53' 51.3"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Twelvemile Creek (HQ-CWF, MF)</u>	Stream Code	<u>62299</u>
NHD Com ID	<u>123923649</u>	RMI	<u>2.6</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>HQ-CWF, MF*</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			
PWS Waters	<u></u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u></u>

* - Since this discharge flows to the Twelvemile Creek, which is designated as a High-Quality, Cold Water Fishery and a Migratory Fishery (HQ-CWF, MF), a Non-Discharge Alternative Analysis was performed (see Attachment 1) in accordance with the Chapter 93.4c antidegradation requirements.

No modeling was performed for this new NPDES Permit as both of the outfalls consist of only stormwater.

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.

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 Monthly	Daily Maximum	Instant. Maximum		
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001, prior to mixing with any other wastewaters.

Monitoring for TSS and Oil and Grease are based on Appendix L for Land Transportation and Petroleum Marketing Stations and Terminals under the PAG-03 General Permit.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0.00</u>
Latitude	<u>42° 11' 28.3"</u>	Longitude	<u>-79° 53' 48.4"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Stormwater</u>			

Receiving Waters	<u>Twelvemile Creek (HQ-CWF, MF)</u>	Stream Code	<u>62299</u>
NHD Com ID	<u>123923649</u>	RMI	<u>2.6</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>HQ-CWF, MF*</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	
PWS Waters	<u>Flow at Intake (cfs)</u>
PWS RMI	<u>Distance from Outfall (mi)</u>

* - Since this discharge flows to the Twelvemile Creek, which is designated as a High-Quality, Cold Water Fishery and a Migratory Fishery (HQ-CWF, MF), a Non-Discharge Alternative Analysis was performed (see Attachment 1) in accordance with the Chapter 93.4c antidegradation requirements.

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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	Average Monthly	Daily Maximum	Instant. Maximum		
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 002, prior to mixing with any other wastewaters.

Monitoring for TSS and Oil and Grease are based on Appendix L for Land Transportation and Petroleum Marketing Stations and Terminals under the PAG-03 General Permit.

Attachment 1

Module 1 - Anti-Degradation Attachments

Non-Discharge Alternatives Analysis - Screening

1. Pollution prevention and process changes:

This alternative was eliminated as the industrial process (truck transportation facility) cannot be changed. Although Barnhart Transportation, LLC. takes steps to reduce potential pollutants that may runoff from their trucks, as a truck transportation facility, the trucks and potential pollutants associated with them cannot be eliminated.

2. Alternative project siting:

This alternative is eliminated as the facility occupies the entire property. Their project cannot be relocated within the property. In addition, Barnhart Transportation, LLC. does not have a suitable alternate property to relocate to. The proposed project was however carefully placed on this site to reduce impervious surface and earth disturbance.

3. Land application of stormwater

This alternative is eliminated as Barnhart Transportation, LLC does not own enough land to feasibly develop a land application of stormwater that is applicable to this site.

4. Recycle/reuse of stormwater:

This alternative is eliminated as there are no cost-efficient opportunities for the recycling or reuse of stormwater at this site. Provided the excellent infiltration rates and available storage within the infiltration / detention basins, infiltration based BMPs are a more appropriate method of handling stormwater runoff.

5. Alternative discharge locations:

This alternative is eliminated as there are no alternate discharge locations within the property that are outside the special protection watershed.

6. Constructed treatment wetlands:

This alternative is eliminated as the existing drainage area outfalls to an existing wetland. Construction of a wetland would be cost prohibitive and redundant.

Non-Discharge Alternatives Analysis - Detailed

As all 6 non-discharge alternatives were eliminated in the previous screening section, the detailed section is not required.

Non-Discharge Alternatives Analysis - Industrial Stormwater

The facility applied for a Chapter 102 Individual NPDES Permit for Discharge of Construction Stormwater and received this permit on October 17, 2019. Barnhart Transportation, LLC. is currently constructing their expanded parking area and stormwater management facilities as outlined in this NPDES Permit. Upon completion of the proposed earth disturbance, Barnhart Transportation, LCC. will file for a notice of Termination (NOT).

As a requirement of the NPDES Permit and the North East Township Stormwater Management Ordinance, post-construction stormwater runoff of both volume and rate must be lower than that of the pre-development condition. As a result, all post-development runoff will be less than that of the predevelopment condition.