

Application Type New  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PA0294209  
APS ID 1095125  
Authorization ID 1451360

**Applicant and Facility Information**

Applicant Name	<u>Unilever Distribution Center</u>	Facility Name	<u>Unilever/DHL Supply Chain Joint Site</u>
Applicant Address	<u>954 Centerville Road</u> <u>Newville, PA 17241-9586</u>	Facility Address	<u>954 Centerville Road</u> <u>Newville, PA 17241-9586</u>
Applicant Contact	<u>Susan Howley</u>	Facility Contact	<u>Chianne Fitting</u>
Applicant Phone	<u>(551) 259-0994</u>	Facility Phone	<u>(717) 776-2166</u>
Client ID	<u>298476</u>	Site ID	<u>866608</u>
SIC Code	<u>4225</u>	Municipality	<u>Penn Township</u>
SIC Description	<u>Trans. &amp; Utilities - General Warehousing And Storage</u>	County	<u>Cumberland</u>
Date Application Received	<u>August 14, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>September 6, 2023</u>	If No, Reason	<u></u>
Purpose of Application	<u>NPDES discharge of stormwater associated with industrial activity.</u>		

**Summary of Review**

This is a new application for a joint NPDES individual permit for discharges of stormwater associated with industrial activity with Unilever Distribution Center and DHL Supply Chain located in Penn Township, Cumberland County. See Figures 1 and 2 for a Site Location and Site Layout Plan.

The facility's SIC code is 4225 (general warehousing and storage) which requires an NPDES permit. The facility was previously covered by NOEXSC289, but since the facility discharges to an HQ-CWF surface water, the facility must be covered under a NPDES Individual Permit for Discharges of Stormwater Associated with Industrial Activities.

Facility Description, from application: storage and distribution facility for consumer products. No manufacturing processes are conducted on-site. No waste or material is stored outside. If the facility qualified for a PAG-03, they would fall under Appendix L based on their SIC Code.

An application was received 8/14/2023. The application was deemed complete on 9/6/2023. Technical deficiencies were sent on 9/6/2023. The technical deficiencies were addressed on 9/11/2023.

The facility has two outfalls that discharges to Yellow Breeches Creek (HQ-CWF): Outfalls 001 and 002. Outfall 001 is located at the eastern portion of the site at the outfall of a PCSM stormwater basin. Outfall 002 is located at the southwestern portion of the site at the outfall of a PCSM stormwater basin.

Per the application, the PPC Plan was last updated in December 2022.

Approve	Deny	Signatures	Date
X		<i>Jacob S. Rakowsky</i> Jacob S. Rakowsky, E.I.T. / Project Manager	9/14/2023
X		<i>Scott M. Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	9/18/2023

**Summary of Review**

Part C permit conditions require semi-annual site inspections as well as implementation of BMPs and implementation of the facility PPC Plan. Given the BMPs in place, the discharge is not expected to have any measurable effect on the water quality of the receiving stream. There are no open violations for the client that would warrant withholding the issuance of this permit. EPA waiver is in effect.

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>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 7' 4"</u>	Longitude	<u>-77° 20' 43"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Yellow Breeches Creek (HQ-CWF, MF)</u>	Stream Code	<u>10121</u>
NHD Com ID	<u>56408693</u>	RMI	<u>46.31</u>
Drainage Area	<u>26.7 sq. mi.</u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>7.46</u>	Q <sub>7-10</sub> Basis	<u>StreamStats</u>
Watershed No.	<u>7-E</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>Impaired</u>		
Cause(s) of Impairment	<u>PATHOGENS</u>		
Source(s) of Impairment	<u>AGRICULTURE</u>		
TMDL Status	<u></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>SUEZ Mechanicsburg</u>		
PWS Waters	<u>Yellow Breeches Creek</u>	Municipality	<u>Upper Allen Twp, Cumberland County</u>
PWS RMI	<u>8.05</u>	Distance from Outfall (mi)	<u>~36</u>

Drainage Area: 1,915,462 SF

% Impervious: 51%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:  
 From application, storage and distribution facility.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:  
 From application, monthly outfall inspections are performed; one stormwater pond (PCSM) is located within the Outfall 001 drainage area.

Outfall 001 is marked as no-exposure on the application. No manufacturing processes are conducted on-site. No waste or material is stored outside exposed to precipitation.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 6' 45"</u>	Longitude	<u>-77° 21' 6"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Yellow Breeches Creek (HQ-CWF, MF)</u>	Stream Code	<u>10121</u>
NHD Com ID	<u>56408693</u>	RMI	<u>46.31</u>
Drainage Area	<u>26.7 sq. mi.</u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>7.46</u>	Q <sub>7-10</sub> Basis	<u>StreamStats</u>
Watershed No.	<u>7-E</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>Impaired</u>		
Cause(s) of Impairment	<u>PATHOGENS</u>		
Source(s) of Impairment	<u>AGRICULTURE</u>		
TMDL Status	<u></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>Suez Mechanicsburg</u>		
PWS Waters	<u>Yellow Breeches Creek</u>	Municipality	<u>Upper Allen Twp, Cumberland County</u>
PWS RMI	<u>8.05</u>	Distance from Outfall (mi)	<u>~36</u>

Drainage Area: 2,283,934 SF

% Impervious: 84%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:  
 From application, storage and distribution facility.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:  
 From application, monthly outfall inspections are performed; one stormwater pond (PCSM) is located within the Outfall 002 drainage area.

Outfall 002 is marked as no-exposure on the application. No manufacturing processes are conducted on-site. No waste or material is stored outside exposed to precipitation.

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	Since this is an application for a new permit, DMR data is not available. A summary of sampling results can be found in Table 1 below.
<b>Summary of Inspections:</b>	Since this is an application for a new permit, inspections have not been conducted at the site.

Other Comments: There are currently no open violations for the client that would affect issuance of the final permit.

**Table 1.** Application Sampling Results

Pollutant	Outfall 001	Outfall 002
Oil and Grease (mg/L)	<3.8	<3.9
BOD5 (mg/L)	2.4	<2.0
COD (mg/L)	<15	<15
TSS (mg/L)	104	30
TN (mg/L)	<2.0	<2.0
TP (mg/L)	0.13	<0.10
pH (mg/L)	7.30	6.70
Fecal Coliform (MPN/100mL)	35	435
E. Coli (MPN/100mL)	40	488

**Proposed Effluent Limitations and Monitoring Requirements**

Based on the facility's **SIC Code of 4225**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix L**, which would include the following monitoring requirements:

**Table 2.** PAG-03, Appendix L Requirements

Parameter	Monitoring Requirements <sup>(1),(2)</sup>		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Nitrogen (mg/L) <sup>(3)</sup>	1 / 6 months	Calculation	XXX
Total Phosphorus (mg/L)	1 / 6 months	Grab	XXX
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Oil and Grease (mg/L)	1 / 6 months	Grab	30

Footnotes

- (1) In accordance with Part C V.C, the permittee shall conduct additional monitoring if specified by DEP in the letter authorizing permit coverage or other correspondence.
- (2) This is the minimum number of sampling events required. Permittees may optionally perform additional sampling.
- (3) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO<sub>2</sub>+NO<sub>3</sub>-N), where TKN and NO<sub>2</sub>+NO<sub>3</sub>-N are measured in the same sample.

**Table 3.** Proposed Monitoring Requirements

Parameter	Effluent Limitations				Monitoring Requirements	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen (mg/L)	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
TSS (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

All required parameters from PAG-03 Appendix L are included in this permit.

Benchmarks for TSS of 100 mg/L and Oil and Grease of 30 mg/L are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).

The BMPs from Appendix L are included.

The requirement to submit an Annual Report is included.

The requirement for routine inspections on a semiannual basis is included.

Antidegradation (93.4):

The applicant is not proposing a new discharge to a High Quality (HQ) or Exceptional Value (EV) water, so Module 1 (Anti Degradation Module) was not needed.

The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. Best Management Practices will ensure that the existing instream uses are protected. No High Quality or Exceptional Value Waters are impacted by this discharge.

The designated use of the receiving waters are as follows:  
Yellow Breeches Creek (HQ-CWF, MF)

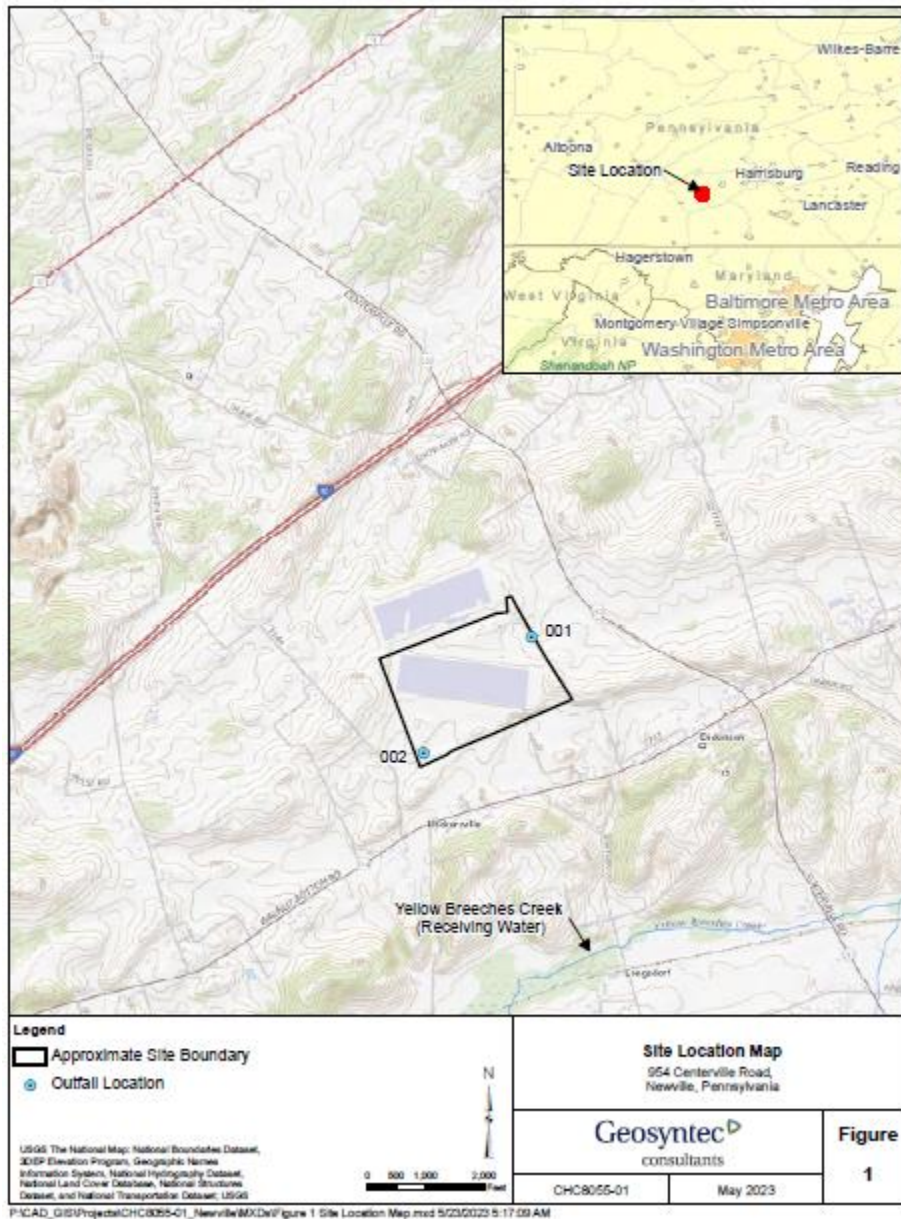


Figure 1. Site Location Map





Figure 2. Site Layout Map