

Application Type New
 Facility Type Storm Water
 Major / Minor Minor

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

Application No. PA0282120
 APS ID 1154723
 Authorization ID 1556356

Applicant and Facility Information

Applicant Name	<u>Federal Express Corporation</u>	Facility Name	<u>Federal Express - ZCAR</u>
Applicant Address	<u>1000 Fedex Drive</u> <u>Moon Township, PA 15108-9373</u>	Facility Address	<u>951 Centerville Road</u> <u>Newville, PA 17241-9586</u>
Applicant Contact	<u>Matthew Stewart</u>	Facility Contact	<u>Matthew Stewart</u>
Applicant Phone	<u>(412) 859-2384</u>	Facility Phone	<u>(412) 859-2384</u>
Client ID	<u>142324</u>	Site ID	<u>869277</u>
SIC Code	<u>4215</u>	Municipality	<u>Newville Borough</u>
SIC Description	<u>Trans. & Utilities - Courier Services, Except By Air</u>	County	<u>Cumberland</u>
Date Application Received	<u>January 27, 2026</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>March 3, 2026</u>	If No, Reason	<u></u>
Purpose of Application	<u>NPDES discharge of stormwater associated with industrial activity.</u>		

Summary of Review

This is an application for an NPDES individual permit for discharges of stormwater associated with industrial activity located in Newville Borough, Cumberland County. See Figures 1 through 4 for site maps.

The facility's SIC code is 4215 (Trans. & Utilities - Courier Services, Except By Air) which requires an NPDES permit for discharges of stormwater associated with industrial activity when vehicle maintenance operations, equipment cleaning operations, or airport deicing operations occur on-site. The facility prefers to have the ability to perform vehicle maintenance activities on-site. Therefore, the facility is required to have an NPDES permit for discharges of stormwater associated with industrial activity.

The facility originally applied for a No Exposure Certification on 03/26/2025. Since the facility discharges to an HQ surface water, the facility does not qualify for a PAG-03 general permit or No Exposure Certification. A No Exposure Certification Denial Letter was issued on 04/01/2025, requiring the facility to obtain an individual permit for discharges of stormwater associated with industrial activity. An application was received on 01/07/2026. The application was deemed complete on 03/03/2026.

If the facility qualified for a PAG-03, they would fall under Appendix L (Land Transportation and Petroleum Stations and Terminals) based on their SIC code.

Facility Description: The Federal Express - ZCAR facility is a package and distribution facility. The regulated industrial activity present at the facility is vehicle maintenance. The regulated stormwater discharge is associated with vehicle maintenance activities that are located outdoors in the eastern parking lot (directly east of the Warehouse/Distribution Building). The vehicle maintenance will be performed intermittently by a third-party contractor. The facility construction began in 2020 and the building began operations in October of 2021. The facility was not subject to stormwater regulations as no regulated

Approve	Deny	Signatures	Date
X		<i>Jacob S. Rakowsky</i> Jacob S. Rakowsky, E.I. / Project Manager	03/04/2026
X		<i>Scott M. Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	03/04/2026

Summary of Review

industrial stormwater activities were present. The facility intends to perform outdoor vehicle maintenance as needed once approval and issuance of this individual stormwater permit is granted.

The facility has one outfall: Outfall 001. Industrial stormwater at the facility is routed via an underground stormwater conveyance system to Infiltration Basin C, which is designed to allow infiltration of all stormwater. In the event Infiltration Basin C overflows, stormwater is routed to Detention Basin E and discharges via an overflow weir located on the northeast corner of the facility at Outfall 001. Discharges at Outfall 001 are uncommon. If Outfall 001 were to discharge, the discharge would leave the site and flow east to a UNT to Yellow Breeches Creek (HQ-CWF, MF) and eventually Yellow Breeches Creek (HQ-CWF, MF).

The SPCC Plan was last updated March 2023 and the PPC Plan was last updated June 2025.

Part C permit conditions require semiannual 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.

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>N/A (stormwater)</u>
Latitude	<u>40° 07' 16.9"</u>	Longitude	<u>-77° 20' 16.1"</u>
Wastewater Description: <u>Stormwater associated with industrial activity.</u>			
Receiving Waters	<u>Unnamed Tributary to Yellow Breeches Creek (HQ-CWF, MF)</u>	Stream Code	<u>10121 (Yellow Breeches Creek)</u>
NHD Com ID	<u>56408417</u>	RMI	<u>42.23 (Yellow Breeches Creek 10121)</u>
Drainage Area	<u>45.1 sq. mi.</u>	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	<u>11.7</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Watershed No.	<u>7-E</u>	Chapter 93 Class.	<u>HQ-CWF, MF</u>
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	<u>Not Attaining Use(s)</u>		
Source(s) and Cause(s) of Impairment	<u>INDUSTRIAL POINT SOURCE DISCHARGE - POLYCHLORINATED BIPHENYLS (PCBS), AGRICULTURE - PATHOGENS</u>		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	<u>SUEZ Mechanicsburg</u>		
PWS Waters	<u>Yellow Breeches Creek 10121</u>	Municipality	<u>Lower Allen Twp, Cumberland County</u>
PWS RMI	<u>8.46</u>	Distance from Outfall (mi)	<u>36</u>

Drainage Area (sf): 3,556,230

% Impervious: 73%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:

Vehicle maintenance, vehicle parking, intermittent covered salt pile storage, covered solid waste storage, trash compactors, landscaping, and emergency generators with associated diesel belly tanks.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:

The facility storm drains are connected to the facility underground stormwater conveyance system. The conveyance system outlets into Infiltration Basins B, C, and F. The Infiltration Basins are connected to Dry Detention Basin E, which overflows via an overflow weir during heavy rainfall events. The Infiltration Basins are designed to retain and allow stormwater to infiltrate rather than discharge from the facility. In addition to structural BMPs the facility also employs many active (non-structural) BMPs such as spill response procedures and clean-up materials, drip trays, training, and conducting vehicle maintenance only during dry weather.

Compliance History	
Summary of DMRs:	<p>Since this is an application for a new permit, DMR data is not available. A summary of application sampling results can be found in Table 1 below.</p> <p>The facility was required to submit E. coli and Fecal Coliform sample results due to the pathogen impairment of the receiving water. The facility was required to submit PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260), and PCB-1016 (Arochlor 1016) due to the PCB impairment of the receiving water. The facility is not expected to cause or contribute to the impairment.</p>
Summary of Inspections:	<p>Since this is an application for a new permit, inspections have not yet been conducted at the site.</p> <p>The client currently has no open violations that should affect issuance of the final permit.</p>

Table 1. Application Sampling Results (2025)

Pollutant	Outfall 001	PAG-03 Benchmarks	NOEX Benchmarks
Oil and Grease (mg/L)	4.9	30	5.0
BOD5 (mg/L)	6.2	30	10
COD (mg/L)	20	120	30
TSS (mg/L)	18.3	100	30
TN (mg/L)	3.0	-	2.0
TP (mg/L)	0.053	-	1.0
pH (S.U.)	7.2	9.0	6.0 – 9.0
E. coli (MPN/100mL)	ND	-	-
Fecal Coliform (MPN/100mL)	1.0	-	-
PCB-1242 (ug/L)	ND	-	-
PCB-1254 (ug/L)	ND	-	-
PCB-1221 (ug/L)	ND	-	-
PCB-1232 (ug/L)	ND	-	-
PCB-1248 (ug/L)	ND	-	-
PCB-1260 (ug/L)	ND	-	-
PCB-1016 (ug/L)	ND	-	-
Total Iron (mg/L)	1.17	-	7.0

Summary of Sampling Results:

The applicant could not obtain application samples at Outfall 001 because no discharge was observed. As a result, application samples were obtained upstream of Outfall 001 at the inlet to Infiltration Basin C. DEP understands that additional stormwater treatment would typically occur at Infiltration Basin C and Detention Basin E. The permittee will have the ability to note “No Discharge” on eDMRs under their permit if no discharge is observed at Outfall 001.

No values exceeded typical PAG-03 benchmarks or permit limits. The applicable PAG-03 benchmarks include: 30 mg/L for Oil and Grease; 30 mg/L for BOD5; 120 mg/L for COD; 100 mg/L for TSS; 9.0 S.U. for pH; 2,000 mg/L for chloride. Since this is an application for a new permit, no permit limits have previously been established.

The applicant noted that the most likely potential pollutants associated with the proposed vehicle maintenance activities include Oil and Grease, TSS, and metals (specifically Iron). Total Iron sample results were included with the application as a pollutant believed to be present in the stormwater discharge. Oil and Grease, TSS, and Total Iron sample results were below typical No Exposure benchmark values.

Based on the facility’s **SIC code of 4215**, 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 semiannual monitoring of TN, TP, TSS, and Oil and Grease.

Proposed Effluent Limitations and Monitoring Requirements

All parameters from PAG-03 Appendix L are included in this permit for Outfall 001. No additional parameters have been added.

Table 2. Proposed Monitoring Requirements for Outfall 001.

Parameter	Effluent Limitations				Monitoring Requirements ^{(1),(2)}	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen (mg/L) ⁽³⁾	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

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 (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

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):

Since the applicant is proposing to discharge to HQ or EV waters and is seeking a permit for the first time, Module 1 (Anti Degradation Module) was included with the application.

The facility currently employs structural BMPs such as bioretention and infiltration basins. The structural BMPs on-site are designed to treat and retain stormwater from the facility. Discharges through Outfall 001 are uncommon.

The effluent limits for this discharge have been developed to ensure that existing in-stream 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 in-stream uses are protected. No Exceptional Value Waters are impacted by this discharge.

The designated use of the receiving waters are as follows:

UNT to Yellow Breeches Creek (HQ-CWF, MF)

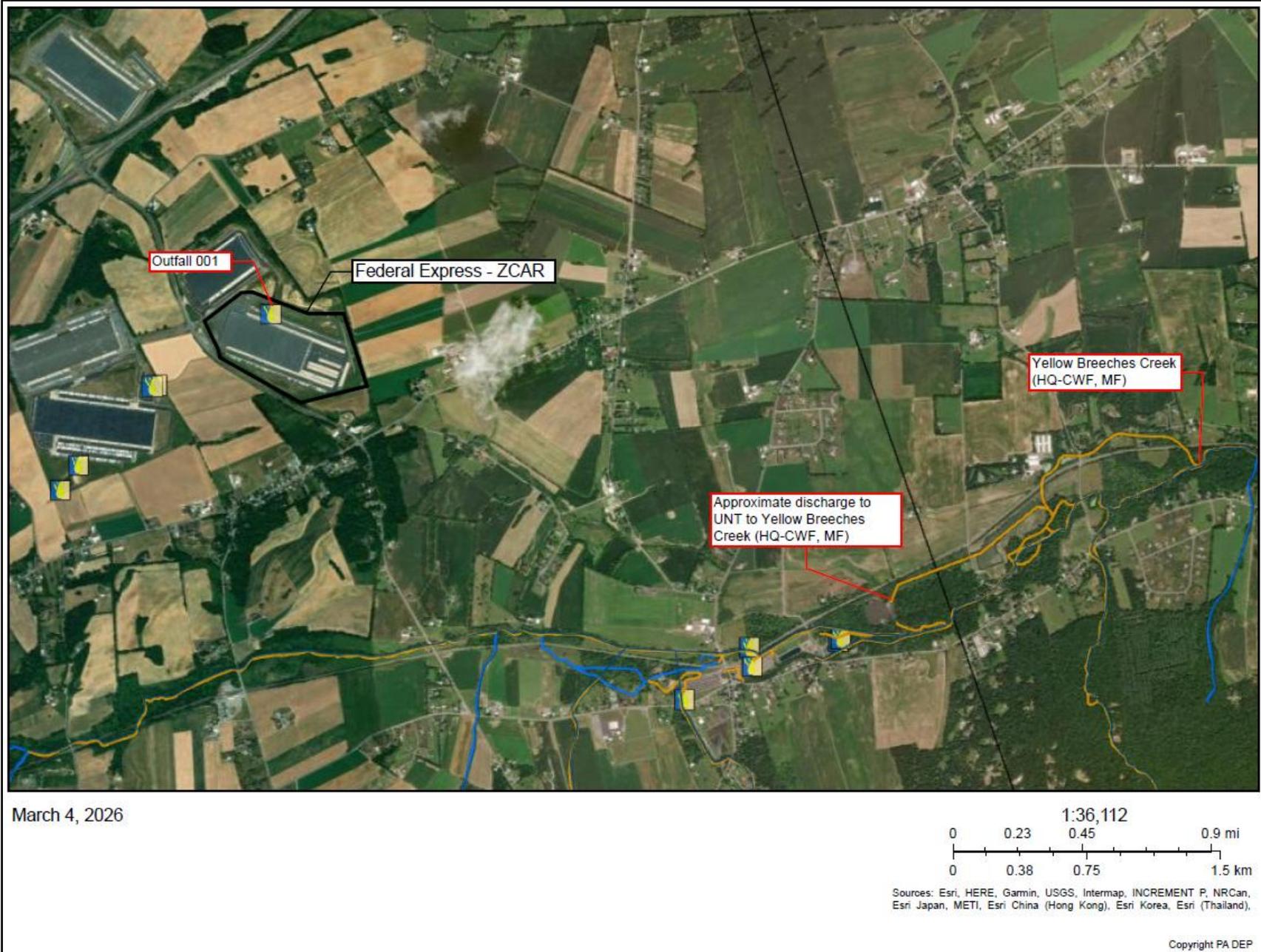


Figure 1. eMapPA Printout



Figure 2. USGS StreamStats Flow Path



Figure 3a. Site Plan



Figure 3b. Site Plan



Figure 4. Stormwater Surface Flow Direction