Pennsylvania Department of Environmental Protection

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PAS703502**
Facility Type	**Storm Water**	APS ID	**799565**
Major / Minor	**Minor**	Authorization ID	**1508113**

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

Applicant and Facility Information

Applicant Name	**Mifflin County Airport Authority**	Facility Name	**Mifflin County Airport**
Applicant Address	547 Airport Road	Facility Address	547 Airport Road
	Reedsville, PA 17084-9272		Reedsville, PA 17084-9272
Applicant Contact	Beth Reifsnyder	Facility Contact	Larry Mccarl
Applicant Phone	(717) 667-6829	Facility Phone	(717) 667-6829
Client ID	293274	Site ID	582686
SIC Code	4512,4581	Municipality	Brown Township
SIC Description	Trans. & Utilities - Air Transportation, Scheduled,Trans. & Utilities - Airports, Flying Fields, And Services	County	Mifflin
Date Application Received	November 27, 2024	EPA Waived?	Yes
Date Application Accepted	December 11, 2024	If No, Reason	

Purpose of Application: NPDES discharge of stormwater associated with industrial activity.

Summary of Review

This is a renewal application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Brown Township, Mifflin County. See Figures 1 and 2 for Site Location and Site Map

The facility's SIC code is 4512 (Air Transportation Facilities) which requires a NPDES permit for discharges of stormwater associated with industrial activity. Since the facility discharges to a High Quality (HQ) surface water, the facility does not qualify for a PAG-03 general permit. Therefore, the facility must be covered under an individual permit for discharges of stormwater associated with industrial activity. If the facility qualified for a PAG-03, they would fall under Appendix G (Air Transportation Facilities) based on their SIC code.

Facility Description: The facility is a general aviation airport. Industrial activities on site include aircraft maintenance, refueling, and washing of aircraft. There is no painting, major refurbishing, or deicing at this facility.

A renewal application was received on 11/27/2024 via PUP 273634. The application was deemed complete on 12/11/2024. Technical deficiencies were issued via email on 12/13/2024. The technical deficiencies were addressed via email on 5/1/2025.

The facility has two outfalls: Outfall 001 and Outfall 002. Outfall 001 is located at the discharge of a stormwater basin on the southern portion of the property and receives runoff from buildings and pavements. Outfall 001 discharges to a UNT to Tea Creek (HQ-CWF, MF). Outfall 002 is located at the discharge of a subsurface infiltration bed at the northern portion of the property and receives runoff from buildings and pavement. Outfall 002 typically has no discharge due to the presence of the subsurface infiltration bed. Outfall 002 discharges to Tea Creek (HQ-CWF, MF). Both outfalls are listed as a no exposure outfalls in the application, although available sampling results are above typical PAG-03 No Exposure benchmarks (see table 1 below).

Approve	Deny	Signatures	Date
X		*Jacob S. Rakowsky* Jacob S. Rakowsky, E.I.T. / Project Manager	5/30/2025
X		*Scott M. Arwood* Scott M. Arwood, P.E. / Environmental Engineer Manager	6/3/2025

Summary of Review

The PPC Plan was last updated January 2019.

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.

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.	001	Design Flow (MGD)	N/A (stormwater)
Latitude	40º 40' 32.59"	Longitude	-77º 37' 28.8"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary of Kishacoquillas Creek (aka Tea Creek) (HQ-CWF, MF)	Stream Code	12536
NHD Com ID	66204039	RMI	0.59
Drainage Area	6.85 sq. mi.	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	1.07	Q_{7-10} Basis	StreamStats
Watershed No.	12-A	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	PATHOGENS		
Source(s) of Impairment	SOURCE UNKOWN		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Mifflintown Municipal Authority		
PWS Waters	Juniata River	Municipality	Milford Twp, Juniata County
PWS RMI	37.30	Distance from Outfall (mi)	17

Drainage Area (sf): 175,819

% Impervious: 40%

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

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

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	N/A (stormwater)
Latitude	40º 40' 44.37"	Longitude	-77º 37' 34.96"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Kishacoquillas Creek (aka Tea Creek) (HQ-CWF, MF)	Stream Code	12533
NHD Com ID	66203979	RMI	2.22
Drainage Area	6.85 sq. mi.	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	1.07	Q_{7-10} Basis	StreamStats
Watershed No.	12-A	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	PATHOGENS		
Source(s) of Impairment	SOURCE UNKOWN		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Mifflintown Municipal Authority		
PWS Waters	Juniata River	Municipality	Milford Twp, Juniata County
PWS RMI	37.30	Distance from Outfall (mi)	17

Drainage Area (sf): 119,123

% Impervious: 40%

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

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

Compliance History	
Summary of DMRs:	A summary of eDMR data can be found in Table 1 below. A summary of application sampling can be found in Table 2 below. The facility was required to submit E. coli and Fecal Coliform impairment sampling results due to the pathogens impairment of the receiving water. The discharge is not expected to cause or contribute to the impairments. The facility is up to date on their eDMR submissions.
Summary of Inspections:	The facility was last inspected on 2/1/2023. No violations were noted. The client currently has no open violations that should affect issuance of the final permit.

Table 1. Last 2 Years of eDMR Sampling Results for Outfall 001*

Pollutant	1st Half 2025	2nd Half 2024	1st Half 2024	2nd Half 2023		Avg.	Max.
BOD5 (mg/L)	32	6.88	3	8.89		12.6925	32
COD (mg/L)	29.3	47.3	15	47.3		34.725	47.3
pH (S.U.)	7.58	7.66	7.54	6.79		7.3925	7.66
TSS (mg/L)	8	6.4	6	3		5.85	8
Ammonia-Nitrogen (mg/L)	0.1797	0.5	0.1074	0.1175		0.22615	0.5
TDS (mg/L)	282	52	170	844		337	844

*No discharge was observed at Outfall 002.

Table 2. Application Sampling Results for Outfall 001*

Pollutant	Outfall 001
Oil and Grease (mg/L)	4.85
BOD5 (mg/L)	6.88
COD (mg/L)	47.3
TSS (mg/L)	6.4
TN (mg/L)	1.502
TP (mg/L)	0.126
pH (S.U.)	7.66
Fecal Coliform (cfu/100mL)	109
E. Coli (cfu/100mL)	262

*No discharge was observed at Outfall 002.

Summary of Sampling Results:

Values highlighted in red in Table 1 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. Benchmarks were exceeded for BOD5 at Outfall 001.

Sampling results for Outfall 002 were not provided since no discharge was observed.

Although Outfalls 001 and 002 were marked as no exposure outfalls in the renewal application, both outfalls will still require sampling since available sampling results exceed PAG-03 no exposure benchmarks referenced in the No Exposure Certification Instructions (3800-PM-BCW0083f).

Based on the facility's **SIC code of 4512**, the applicable PAG-03 NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix G**, which would include semiannual monitoring of TN, TP, pH, BOD5, COD, TSS, TDS, and Ammonia-Nitrogen.

Proposed Effluent Limitations and Monitoring Requirements

All parameters from PAG-03 Appendix G are included in this permit for Outfall 001 and Outfall 002. No additional parameters have been added.

Table 3. Proposed Monitoring Requirements for Outfall 001 and Outfall 002.

Parameter	Effluent Limitations				Monitoring Requirements (1),(2)	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	Report	XXX	1/6 months	Grab
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
Chemical Oxygen Demand (COD) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Dissolved Solids (TDS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Biochemical Oxygen Demand (BOD5) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Ammonia-Nitrogen (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 pH of 9.0 S.U., TSS of 100 mg/L, COD of 120 mg/L, BOD5 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 G 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 or increased discharge to HQ or EV waters, so Module 1 (Anti Degradation Module) was not included with the application.

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 Exceptional Value Waters are impacted by this discharge.

The designated use of the receiving waters are as follows:
UNT to Kishacoquillas Creek (aka Tea Creek) (HQ-CWF, MF)
Kishacoquillas Creek (aka Tea Creek) (HQ-CWF, MF)

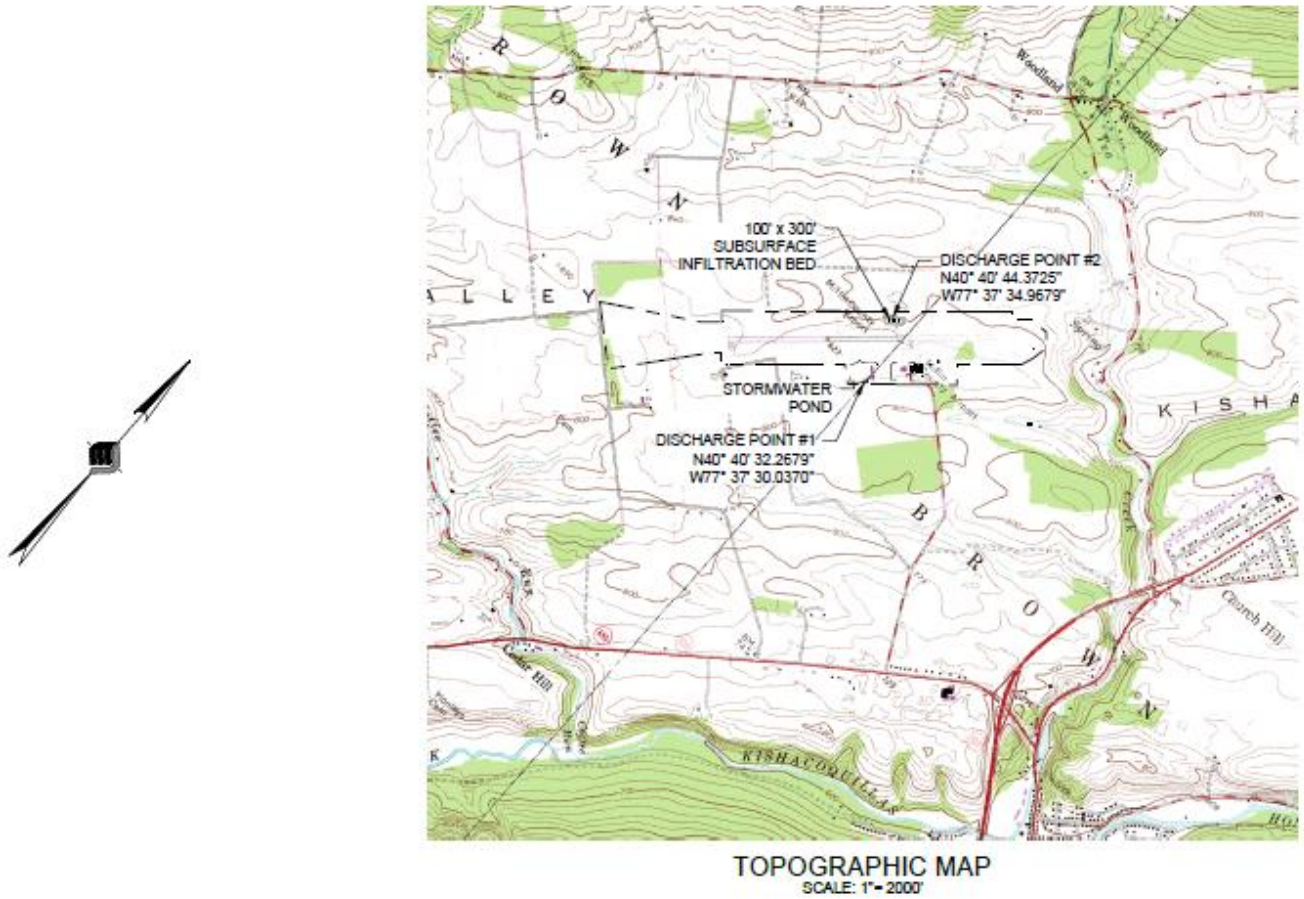

Figure 1. Site Location Map, from *Site Plan and Topographic Map, Drawing Number 1 of 1, Project 18612.12, McFarland Johnson, 11/25/24*

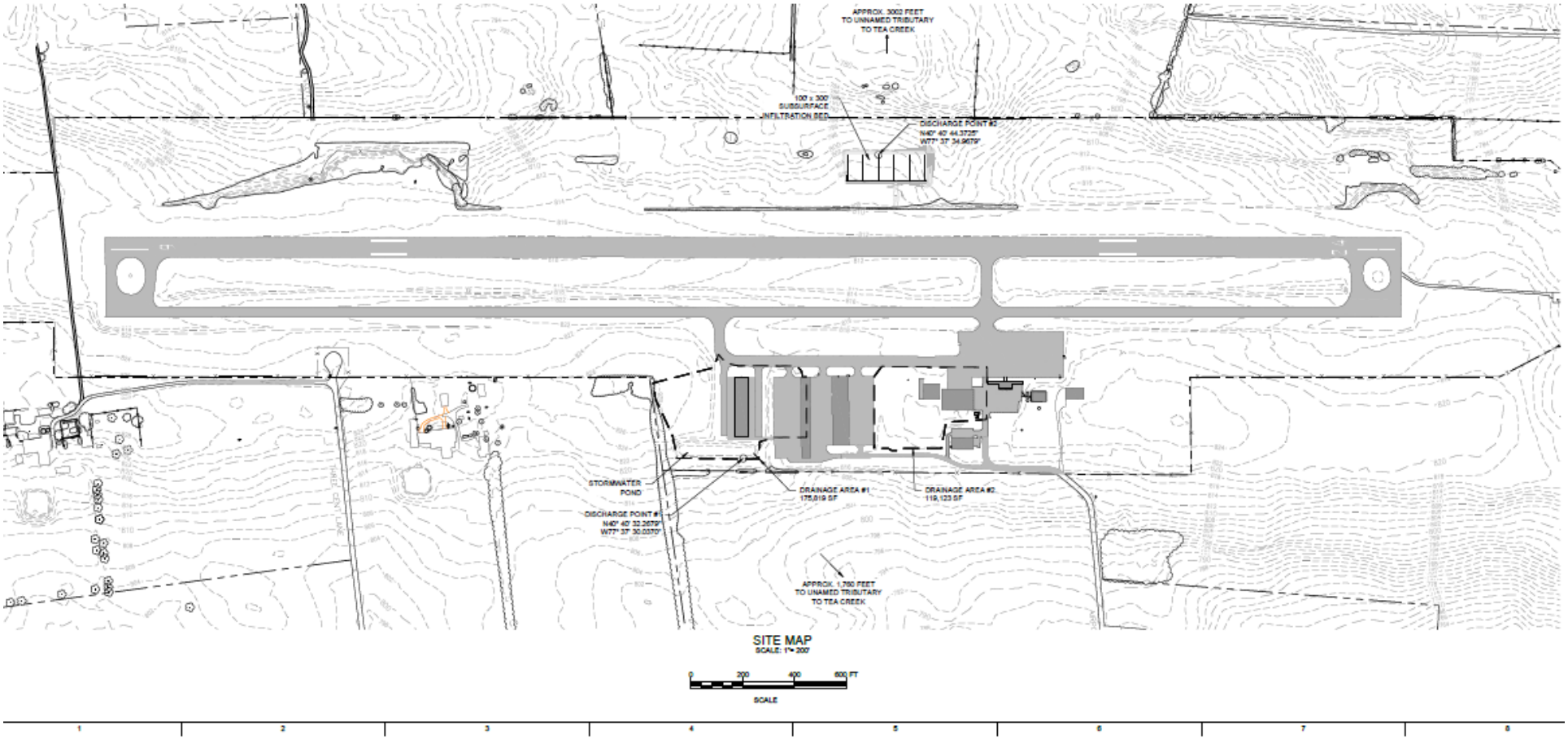

Figure 2. Site Map from *Site Plan and Topographic Map, Drawing Number 1 of 1, Project 18612.12, McFarland Johnson, 11/25/24*