

Application Type Renewal
Facility Type Non-Municipal
Major / Minor Minor

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0035033
APS ID 1018364
Authorization ID 1513425

Applicant and Facility Information

Applicant Name	<u>Franconia Mennonite Camp Association, Inc.</u>	Facility Name	<u>Pinebrook WWTP</u>
Applicant Address	<u>5339 Pinebrook Road</u> <u>East Stroudsburg, PA 18301</u>	Facility Address	<u>5339 Pinebrook Road</u> <u>East Stroudsburg, PA 18301</u>
Applicant Contact	<u>Stephanie Gehman</u>	Facility Contact	<u>Stephanie Gehman</u>
Applicant Phone	<u>(570) 424-1212</u>	Facility Phone	<u>(570) 424-1212</u>
Client ID	<u>35786</u>	Site ID	<u>241884</u>
Ch 94 Load Status	<u>-</u>	Municipality	<u>Stroud Township</u>
Connection Status	<u>-</u>	County	<u>Monroe</u>
Date Application Received	<u>January 21, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 21, 2025</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		


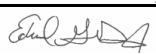
Summary of Review

The applicant is requesting renewal of an NPDES permit to discharge 0.021 MGD of treated sewage to Brodhead Creek, a high-quality cold water and migratory fish (HQ-CWF, MF) receiving stream in State Water Plan basin 01-E (Brodhead Creek). As per the Department's current existing use list, this segment of Brodhead Creek doesn't have an existing use that's more protective than its designated use.

Water quality-based limitations were not recommended by WQM 7.0 for Ammonia-N, DO, or CBOD₅. The TRC calculation spreadsheet did not recommend water quality-based limitations for TRC. For modeling inputs, the river mile index (RMI) values were obtained using eMapPA, drainage areas were delineated using USGS's StreamStats interactive map, and elevations were obtained using the elevation profile tool on StreamStats. The Q₇₋₁₀ flow was obtained directly from StreamStats.

Limitations for pH, CBOD₅, TSS, and Fecal Coliform are technology-based and carried over from the previous permit. The TRC limitations from the previously issued permit (1.2 mg/L monthly average, 2.8 mg/L IMAX) are included in the permit for the first year of coverage. One year after the permit effective date, the standard technology-based TRC limitations from 92a.48(b)(2) will come into effect (0.5 mg/L monthly average, 1.6 mg/L IMAX).

Note: The minimum measurement frequency for pH and TRC appeared in the previously issued permit as "1/day", however, the frequencies coded into eDMR for those parameters was 1/week. This renewal ensures daily monitoring for pH and TRC to be consistent with Table 6-3 of DEP's *Technical Guidance for the Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits* (document No. 362-0400-001).

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Project Manager	December 12, 2025
X		 Edward Dudick, P.E. / Environmental Engineer Manager	December 12, 2025

Summary of Review

In addition to the annual monitoring requirements for Total Phosphorus, Total Nitrogen, Total Kjeldahl Nitrogen, and Nitrate-Nitrite as N, monthly monitoring/reporting is added to the permit for Ammonia-Nitrogen and annual monitoring/reporting is added to the permit for E. Coli as per current guidance.

There is no DRBC docket for this facility. The previously issued permit expired on June 30, 2025, and the application for permit renewal was received in a timely manner. There are no open violations for the client that would warrant withholding issuance of the final permit.

Sludge use and disposal description and location(s): The permit renewal application indicates no sludge / biosolids were removed from the WWTP during the previous year.



WQM
Modeling.pdf



TRC Calculation.pdf



Watershed
Information.pdf

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>0.021</u>
Latitude	<u>41° 2' 2"</u>	Longitude	<u>-75° 12' 27"</u>
Quad Name	<u>East Stroudsburg</u>	Quad Code	<u>1044</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Brodhead Creek</u>	Stream Code	<u>4750</u>
NHD Com ID	<u>26141426</u>	RMI	<u>8.75</u>
Drainage Area	<u>126 mi²</u>	Yield (cfs/mi ²)	<u>0.106</u>
Q ₇₋₁₀ Flow (cfs)	<u>13.4</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>472</u>	Slope (ft/ft)	<u>0.005</u>
Watershed No.	<u>1-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>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>7.0</u>	Default	
Temperature (°C)	<u>20</u>	Default	
Hardness (mg/L)	<u>-</u>	-	
Other:	<u>-</u>	-	
Nearest Downstream Public Water Supply Intake	<u>Brodhead Creek Regional Water Authority</u>		
PWS Waters	<u>Brodhead Creek</u>	Flow at Intake (cfs)	<u>13.5</u>
PWS RMI	<u>7.4</u>	Distance from Outfall (mi)	<u>1.35</u>

Treatment Facility Summary				
Treatment Facility Name: Pinebrook WWTP				
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Hypochlorite	0.021
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.021	-	Not Overloaded	Settled	Hauled Off-site

Development of Effluent Limitations

Outfall No. 001
Latitude 41° 2' 2"
Wastewater Description: Sewage Effluent

Design Flow (MGD) 0.021
Longitude -75° 12' 27"

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
CBOD ₅	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	-	-
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	-	-
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
	1.6	IMAX	-	-

Comments: The TRC limitations come into effect one year after the permit effective date.

Anti-Backsliding

No limitations were removed from the permit or made less stringent.



Pennsylvania
**Department of
Environmental Protection**