

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0061476 A-1
APS ID 1144484
Authorization ID 1538955

Applicant and Facility Information

Applicant Name	<u>Summit Ew LLC</u>	Facility Name	<u>Edgewood MHP</u>
Applicant Address	<u>11659 Wallis Run Road</u> <u>Trout Run, PA 17771-8580</u>	Facility Address	<u>Fords Pond Road</u> <u>Clarks Summit, PA 18411</u>
Applicant Contact	<u>Christina Lepley</u>	Facility Contact	<u>Christina Lepley</u>
Applicant Phone	<u>(570) 337-1338</u>	Facility Phone	<u>(570) 337-1338</u>
Client ID	<u>361597</u>	Site ID	<u>250165</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Glenburn Township</u>
Connection Status		County	<u>Lackawanna</u>
Date Application Received	<u>August 24, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>August 28, 2025</u>	If No, Reason	
Purpose of Application	<u>Renewal of NPDES Permit for Individual Sewage – MISF1 Facility</u>		

Summary of Review

The applicant is requesting renewal of a NPDES Permit PA0061476 to authorize a discharge of up to 0.02 MGD of treated sewage effluent from a minor sewage treatment plant. It will be discharged into Tributary 28841 of Ackerly Creek (CWF-MF, Cold Water Fish, Migratory Fish) in State Water Plan Watershed 04-F. The facility discharged an annual average flow of 0.011 MGD according to the renewal application. In 2024, the facility had an annual average flow of 0.0055 MGD. The discharge is not expected to affect public water supplies.

According to eMAP PA, Tributary 28841 was classified as supporting in both of its uses of Aquatic Life and Recreational. Ackerly Creek is approximately 1.4 miles downstream of the discharge point. Ackerly Creek has two designated uses: Recreational and Aquatic Life. It is impaired for both due to pathogens and urban runoff/storm sewers – siltation respectively.

According to Table 6-3 *DEP's Technical Guidance for the Development and Specification of Effluent Limitations* the following are required in the permit: CBOD5, Total Suspended Solids, pH, Fecal Coliform, Total Residual Chlorine, Ammonia Nitrogen, Total Phosphorous, Dissolved Oxygen, and E.Coli.

- E. Coli was added as a new permit limit in this renewal. The instantaneous maximum will be measured 1/year since this facility has a design flow between 0.002 – 0.05 MGD.

A WQM 7.0 Analysis was completed to calculate effluent limitations for CBOD5, Dissolved Oxygen, and Ammonia Nitrogen. The results from the WQM 7.0 model ran on September 2, 2025 are linked below. USGS StreamStats data is linked below; areas and elevations were obtained from the interactive map and report. No values were more stringent than previous permit values. Therefore, the current limits will remain to prevent anti-backsliding. (See *Water Quality-Based Limitations* that is on the final page of this document).

Approve	Deny	Signatures	Date
X		<i>Melanie Macioce</i> Melanie Macioce / Environmental Engineering Trainee	September 5, 2025
X		<i>Edward Dudick</i> Edward Dudick, P.E. / Environmental Engineer Manager	September 15, 2025

Summary of Review



Combined WQM
7.0 Results 9.2.2025



StreamStats



StreamStats Ackerly

Discharge Point DelCreek RMI 1.406 Del

The Department's "Total Residual Chlorine Spreadsheet" was performed to determine the appropriate limits for TRC. The limits of the previous permit were stricter. Therefore, they will remain the same to prevent anti-backsliding.

Minimum measurement frequencies have been adjusted in accordance with Table 6-3 of *DEP's Technical Guidance for the Development and Specification of Effluent Limitations*:

- As directed by the previous permit, the minimum measurement frequency for pH, Dissolved Oxygen, and Total Residual Chlorine has increased from 5/week to daily. This will come into effect on the permit effective date.
- The minimum measurement frequency will be increased to 2/month for Total Phosphorous. This will come into effect on the permit effective date.
- The minimum measurement frequency for CBOD5, Total Suspended Solids, Fecal Coliform and Ammonia-Nitrogen will remain at 2/month.
- The minimum measurement frequency for Nitrite-Nitrate as N, Total Nitrogen, and Total Kjeldahl Nitrogen will remain at 1/year.

This facility a Phase 5 non-significant Chesapeake Bay Facility.

The renewal application states that biosolids produced by the facility are currently being managed under the beneficial use permit PAG092212 issued by DEP. The permit was issued to Rural Wastewater Management Inc. The total biosolids produced in 2024 was 0.33 dry tons. All biosolids were applied onto one site in Luzerne County.

The WMS Query "Inspections Report" was performed. A Compliance Evaluation was performed on October 10, 2024. No violations were found during this inspection.

No open violations are noted for the site. However, there is one effluent violation that was a potential exceedance of Fecal Coliform. The eDMR value was > 2419.6. The limit is 1000.

The existing NPDES Permit Expires on February 28, 2026. This application was received on August 24, 2025. The application was received on time.

An A-1 designation has been added after the NPDES permit number to represent the number of transfers since the original permit was issued.

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)	.02
Latitude	41° 30' 23.86"	Longitude	-75° 44' 42.54"
Quad Name		Quad Code	
Wastewater Description:		Sewage Effluent	
Receiving Waters	Unnamed Tributary to Ackerly Creek (CWF)	Stream Code	28841
NHD Com ID	66407133	RMI	1.406
Drainage Area	0.39	Yield (cfs/mi ²)	0.1 (assumed LFY)
Q ₇₋₁₀ Flow (cfs)	0.039	Q ₇₋₁₀ Basis	
Elevation (ft)	1127.4	Slope (ft/ft)	0.0204
Watershed No.	4-F	Chapter 93 Class.	CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	
Background/Ambient Data		Data Source	
pH (SU)	-		-
Temperature (°F)	-		-
Hardness (mg/L)	-		-
Other:	-		-
Nearest Downstream Public Water Supply Intake	Aqua PA, Inc.		
PWS Waters	South Branch Tunkhannock Creek	Flow at Intake (cfs)	1.79
PWS RMI	6.59	Distance from Outfall (mi)	7.14

Changes Since Last Permit Issuance: No changes since last permit issue

Other Comments: N/A

Treatment Facility Summary				
Treatment Facility Name: Edgewood Mobile Home Park				
WQM Permit No.		Issuance Date		
2350054		February 6, 2012		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Aeration	Chlorine With Dechlorination	0.0011
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.02	35	Not Overloaded	-	Land applied in Luzerne County by Rural Wastewater Management Inc. under permit PAG-092212

Changes Since Last Permit Issuance: No changes since last permit issuance

Other Comments: N/A

Compliance History

DMR Data for Outfall 001 (from August 1, 2024 to July 31, 2025)

Parameter	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24
Flow (MGD) Average Monthly	0.00503	0.00689	0.00608	0.00803	0.00849	0.00795	0.0051	0.00569	0.00537 2	0.00495 6	0.00497	0.00446
Flow (MGD) Daily Maximum	0.00611	0.0079	0.00909	0.00891	0.00995	0.00961	0.00584	0.00678	0.00838	0.00574	0.00666	0.00722
pH (S.U.) Instantaneous Minimum	7.07	7.09	6.95	6.97	7.08	7.21	7.08	7.13	6.84	7.11	7.11	7.07
pH (S.U.) Instantaneous Maximum	7.34	7.26	7.37	7.3	7.41	7.33	7.31	7.29	7.31	7.51	7.36	7.36
DO (mg/L) Daily Minimum	7.14	7.4	6.76	6.94	8.2	8.07	7.5	6.77	7.11	7.04	7.05	6.73
TRC (mg/L) Average Monthly	0.10	0.11	0.11	0.10	0.11	0.11	0.10	0.11	0.13	0.09	0.12	0.09
TRC (mg/L) Instantaneous Maximum	0.18	0.17	0.19	0.24	0.16	0.16	0.13	0.19	0.36	0.14	0.24	0.14
CBOD5 (mg/L) Average Monthly	< 3.0	< 9.7	< 5.7	< 4.3	< 3.0	< 4.3	< 3.3	4.3	4.9	< 6.4	8.9	< 6.0
TSS (mg/L) Average Monthly	< 3.0	< 3.0	< 3.0	< 3.0	< 2.5	4.0	< 3.0	< 4.0	< 6.0	< 3.0	< 3.0	< 3.0
Fecal Coliform (No./100 ml) Geometric Mean	< 10.0	< 10.0	< 10.0	49.0	59.0	< 3.0	< 1.0	< 16.0	< 10.0	< 1.0	< 1.0	< 7.0
Fecal Coliform (No./100 ml) Instantaneous Maximum	< 10.0	10.0	< 10.0	> 2419.6	103.9	< 10.0	2.0	243.6	< 10.0	< 1.0	< 1.0	51.2
Nitrate-Nitrite (lbs/day) Annual Average								1.0				
Nitrate-Nitrite (mg/L) Annual Average								28.93				
Total Nitrogen (lbs/day) Annual Average								< 1.0				

NPDES Permit Fact Sheet
Edgewood MHP

NPDES Permit No. PA0061476 A-1

Total Nitrogen (mg/L) Annual Average								< 30.23				
Ammonia (mg/L) Average Monthly	0.4	< 0.2	< 4.0	< 0.2	< 0.2	< 0.2	< 0.2	5.2	< 0.3	< 0.2	< 0.2	< 0.2
TKN (lbs/day) Annual Average								< 0.06				
TKN (mg/L) Annual Average								< 1.35				
Total Phosphorus (lbs/day) Annual Average								0.15				
Total Phosphorus (mg/L) Annual Average								3.68				

Compliance History

Effluent Violations for Outfall 001, from: September 1, 2024 To: July 31, 2025

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
Fecal Coliform	04/30/25	IMAX	> 2419.6	No./100 ml	10000	No./100 ml



Development of Effluent Limitations

Outfall No. 001
Latitude 41° 30' 23.06"
Wastewater Description: Sewage Effluent

Design Flow (MGD) .02
Longitude -75° 44' 42.44"

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	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	45	Average Weekly	133.102(b)(2)	92a.47(a)(2)
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)
Fecal Coliform (5/1 – 9/30)	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)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Comments: The addition of monitoring for E. Coli on a yearly basis has been added as a technology based limitation in the most updated *Standard Operating Procedure (SOP) for Clean Water Program Establishing Effluent Limitations for Individual Sewage Permits*.

Water Quality-Based Limitations

The following limitations were determined through water quality modeling and anti-backsliding prevention. The limits developed via WQM 7.0 for this renewal application are located above on Page 1.

Parameter	Limit (mg/l)	SBC	Basis
Dissolved Oxygen	6.0	Minimum	Existing Permit
Total Residual Chlorine	0.17	Average Monthly	Existing Permit
	0.57	IMAX	
Ammonia-Nitrogen (May 1 – Oct 31)	4.0	Average Monthly	Existing Permit
	8.0	IMAX	
Ammonia-Nitrogen (Nov 1 – Apr 30)	12.0	Average Monthly	Existing Permit
	24.0	IMAX	

Anti-Backsliding

All existing permits remain from previous permit to prevent anti-backsliding.