

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0210617  
APS ID 1111133  
Authorization ID 1527242

### Applicant, Facility and Project Information

Applicant Name <u>Nmds 4971 Lot Management Co. LLC</u>	Facility Name <u>Evergreen MHP</u>
Applicant Address <u>PO Box 8152</u>	Facility Address <u>Evergreen Park Road</u>
<u>New Castle, PA 16107-8152</u>	<u>Edinburg, PA 16116</u>
Applicant Contact <u>Nicholas Dematteo</u>	Facility Contact _____
Applicant Phone <u>(412) 223-6934</u>	Facility Phone _____
Client ID <u>369041</u>	Site ID <u>247374</u>
SIC Code <u>6515</u>	Municipality <u>Mahoning Township</u>
SIC Description <u>Fin, Ins &amp; Real Est - Mobile Home Site Operators</u>	County <u>Lawrence</u>
Date Application Received <u>March 20, 2024</u>	WQM Required <u>Previously issued - 365S36</u>
Date Application Accepted _____	WQM App. No. _____
Project Description <u>Renewal for a Single Residence Sewage Treatment Plant</u>	

### Summary of Review

The permittee is applying for reissuance of Individual Permit **PA0210617**. This is a discharge into stream channel - Trib 35850 To Shenango River. The permittee requested for a reduction of its minor design flow of 2550 gallons per day to a small flow system of less than 2000 gallons per day. Currently, the number of occupied mobile homes in the park is less than seven. The average flow for the last three years is 925 gallons per day. Thus, the permittee is switching from a minor sewage facility to a small flow treatment facility.

Act 14 notifications were submitted and received.

The existing facility under (WQM Permit No. 365S36) issued on December 9, 2022, consist of: An 80' x 195' lagoon, a 50' x 90' lagoon, and tablet chlorination with a 400-gallon contact tank.

There are no open violations in WMS for the subject Client ID (**369041**) as of July 30, 2025.

#### 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.

Approve	Deny	Signatures	Date
x		Adebayo Olude Adebayo Olude / Civil Engineer Trainee	July 30, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	August 7, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.002
Latitude	41° 3' 16.61"	Longitude	-80° 26' 11.97"
Quad Name		Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Shenango River	Stream Code	35850
NHD Com ID	130025481	RMI	
Drainage Area	0.0568	Yield (cfs/mi <sup>2</sup> )	0.00396
Q <sub>7-10</sub> Flow (cfs)	0.000225	Q <sub>7-10</sub> Basis	USGS StreamsStats
Elevation (ft)		Slope (ft/ft)	-
Watershed No.	20-A	Chapter 93 Class.	
Existing Use		Existing Use Qualifier	
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	PACKAGE PLANT OR OTHER PERMITTED SMALL FLOWS DISCHARGES		
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	-		-
Temperature (°F)	-		-
Hardness (mg/L)	-		-
Other:	-		-
Nearest Downstream Public Water Supply Intake	Pennsylvania American Water Company - New Castle		
PWS Waters	Shenango River	Flow at Intake (cfs)	16.2
PWS RMI	5.1	Distance from Outfall (mi)	5.55

Changes Since Last Permit Issuance: The permittee is requesting that the design flow of the system be changed from 0.00255 MGD to 0.002 for the facility to be designated as a Small Flow Sewage Treatment System.

Other Comments: This SFTF does not qualify for PAG-04 because it wasn't designed in accordance with the SFTF Manual.

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

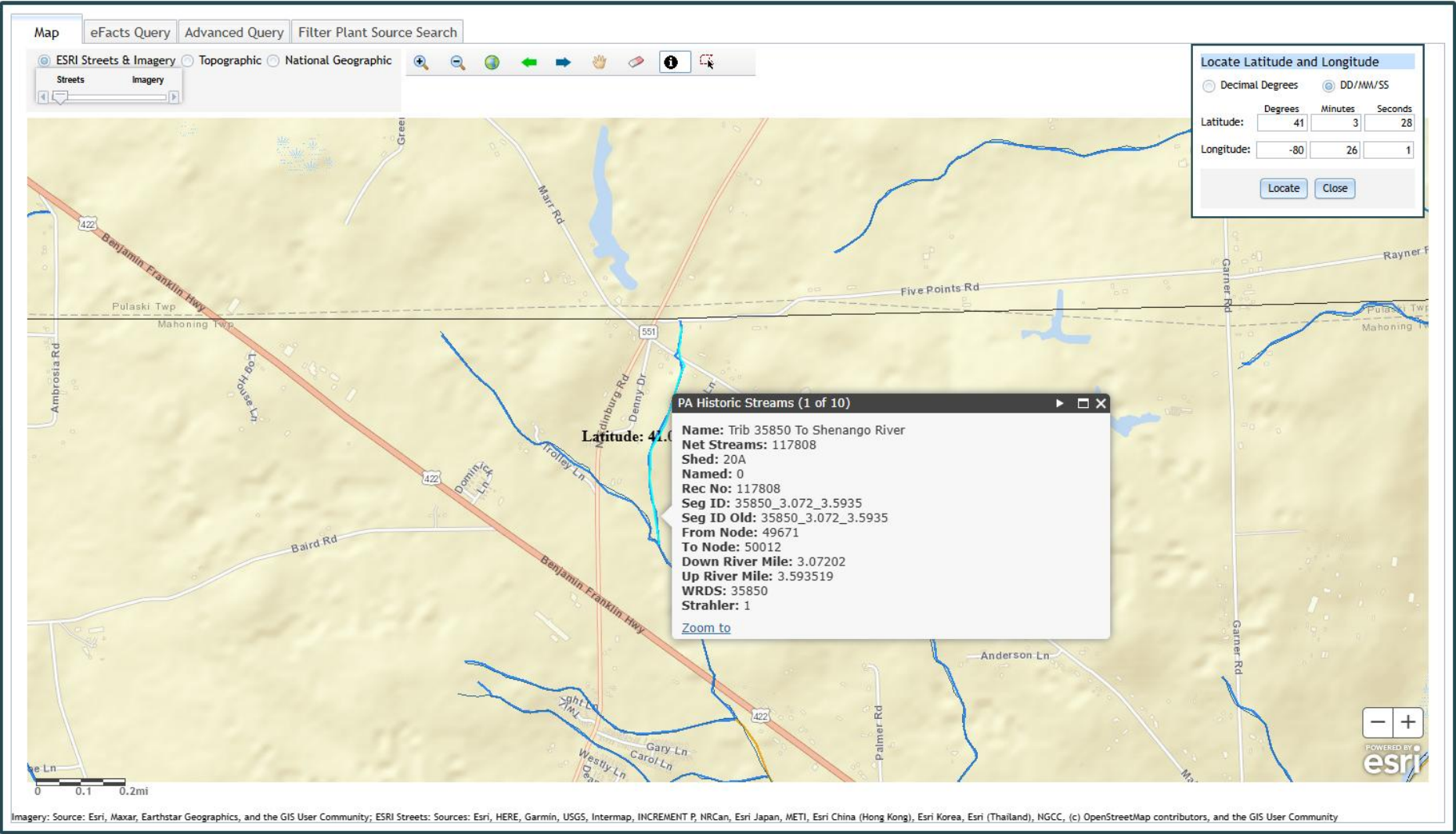
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	0.02	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001-after disinfection.

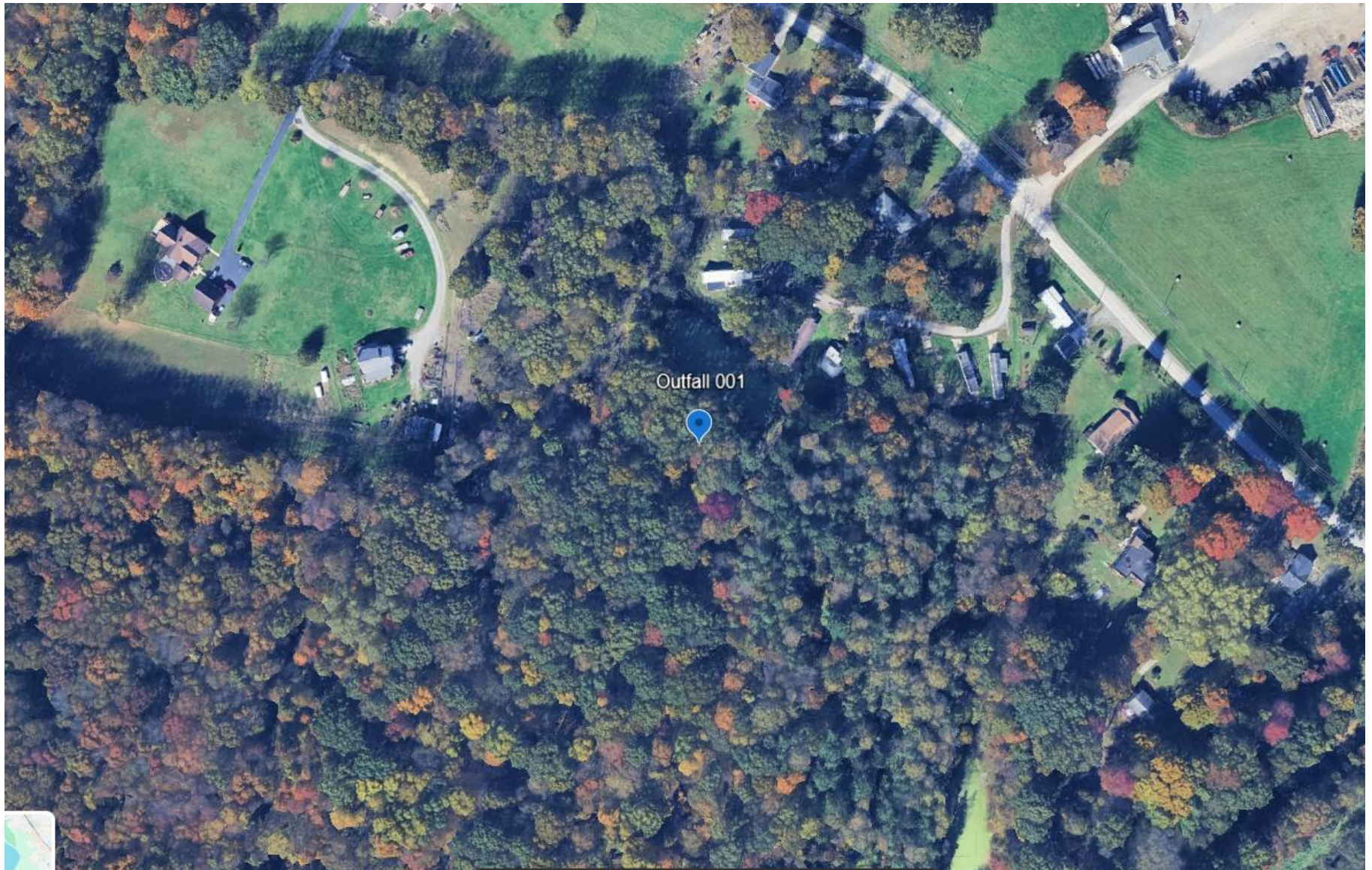
Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology- based on Chapter 92a.47. The TRC spreadsheet model calculated an average monthly limit of 0.019 mg/L for TRC, which is less than the Department's Quantitation Limit (QL) for TRC. Therefore, the effluent limit of 0.02 mg/L will be imposed in Part A of the Permit and a part C condition will be add to the permit discussing the compliance of to the limit.

Attachment 1  
eMAP– Receiving Streams Information





Attachment 2  
Google Earth - Imagery



Attachment 3  
TRC\_CALC Modeling Output files

TRC\_CALC

TRC EVALUATION				
Input appropriate values in A3:A9 and D3:D9				
0.000225	= Q stream (cfs)	0.5	= CV Daily	
0.002	= Q discharge (MGD)	0.5	= CV Hourly	
30	= no. samples	1	= AFC_Partial Mix Factor	
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor	
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)	
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)	
0	= % Factor of Safety (FOS)		= Decay Coefficient (K)	
Source	Reference	AFC Calculations		Reference
TRC	1.3.2.iii	WLA afc = 0.042		1.3.2.iii
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373		5.1c
PENTOXSD TRG	5.1b	LTA_afc = 0.016		5.1d
Source	Effluent Limit Calculations			
PENTOXSD TRG	5.1f	AML MULT = 1.231		
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.019		AFC
		INST MAX LIMIT (mg/l) = 0.063		
WLA afc	$(.019/e(-k*AFC\_tc)) + [(AFC\_Yc*Qs*.019/Qd*e(-k*AFC\_tc))... \\ ...+ Xd + (AFC\_Yc*Qs*Xd/Qd)]*(1-FOS/100)$			
LTAMULT afc	$EXP((0.5*LN(cvh^2+1))-2.326*LN(cvh^2+1)^0.5)$			
LTA_afc	wla_afc*LTAMULT_afc			
WLA_cfc	$(.011/e(-k*CFC\_tc)) + [(CFC\_Yc*Qs*.011/Qd*e(-k*CFC\_tc))... \\ ...+ Xd + (CFC\_Yc*Qs*Xd/Qd)]*(1-FOS/100)$			
LTAMULT_cfc	$EXP((0.5*LN(cvd^2/no\_samples+1))-2.326*LN(cvd^2/no\_samples+1)^0.5)$			
LTA_cfc	wla_cfc*LTAMULT_cfc			
AML MULT	$EXP(2.326*LN((cvd^2/no\_samples+1)^0.5)-0.5*LN(cvd^2/no\_samples+1))$			
AVG MON LIMIT	MIN(BAT_BPJ, MIN(LTA_afc, LTA_cfc)*AML_MULT)			
INST MAX LIMIT	1.5*((av_mon_limit/AML_MULT)/LTAMULT_afc)			