Pennsylvania Department of Environmental Protection

NORTHWEST REGIONAL OFFICE
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0210617**
Facility Type	**Sewage**	APS ID	**1111133**
Major / Minor	**Minor**	Authorization ID	**1527242**

NPDES PERMIT FACT SHEET ADDENDUM

Applicant and Facility Information

Applicant Name	**Nmds 4971 Lot Management Co. LLC**	Facility Name	**Evergreen MHP**
Applicant Address	PO Box 8152	Facility Address	Evergreen Park Road
	New Castle, PA 16107-8152		Edinburg, PA 16116
Applicant Contact	Nicholas Dematteo	Facility Contact	
Applicant Phone	(412) 223-6934	Facility Phone	
Client ID	369041	Site ID	247374
SIC Code	6515	Municipality	Mahoning Township
SIC Description	Fin, Ins & Real Est - Mobile Home Site Operators	County	Lawrence
Date Published in PA Bulletin	August 23, 2025	EPA Waived?	Yes
Comment Period End Date	September 23, 2025	If No, Reason	-

Purpose of Application: Application for a renewal of an NPDES permit for discharge of treated Sewage

Internal Review and Recommendations

Notice of the Draft permit was published in the August 23, 2025, Pa Bulletin Issue. The Department received two comments from the permittee during the 30-day public comment period, which includes the following:

1. A 93.8% reduction of the Total Residual Chlorine is not attainable without having to reengineer the existing lagoon system to include a de-chlorination system
2. A 66% reduction of TSS and a 60% reduction of CBOD5 cannot be expected reliably from the lagoon system without additional engineering which could perhaps include a sand filter system.

The Department does not grant the request of reducing the TRC limits as it is required to protect the aquatic life and maintain water quality of the receiving stream. However, a compliance schedule will be included in the permit since the proposed TRC limit is more stringent than the previous limit of 0.32mg/L in the current permit. For the first three years of the permit, the previous permit limitation of 0.32 mg/L will be imposed, then the final effluent limitations will be imposed. The Draft permit has been revised to include a three-year compliance schedule and the corresponding Part C condition.

The Department has reevaluated the TSS and CBOD5 limit and has determined that the limits in the previous permit can be carried forward instead of imposing the new, more stringent limitations because the existing treatment system was designed and constructed before the development of the Departments Small Flow Treatment Facilities manual and may not be able to achieve the higher degree of treatment. The TSS and CBOD5 limits will be updated in the Draft permit in accordance with 25 PA Code Chapter 92a.47.

There are no open violations for the subject Client ID (**369041**) as of October 16,2025.

Due to these changes made to the Draft Permit, it is recommended that the permit be redrafted.

Approve	Return	Deny	Signatures	Date
x			Adebayo Olude Adebayo Olude / Civil Engineer Trainee	October 16, 2025
X			Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	October 29, 2025

Internal Review and Recommendations

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 and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.00252
Latitude	41º 3' 16.61"	Longitude	-80º 26' 11.97"
Quad Name	Edinburg	Quad Code	41080A4
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^2)	0.00396
Q_{7-10} Flow (cfs)	0.000225	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	1148	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: N/A

Other Comments: This SFTF was designed where applicable in accordance with the SFTF Manual but does not qualify for PAG-04.

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 Three Years After Permit Effective Date.

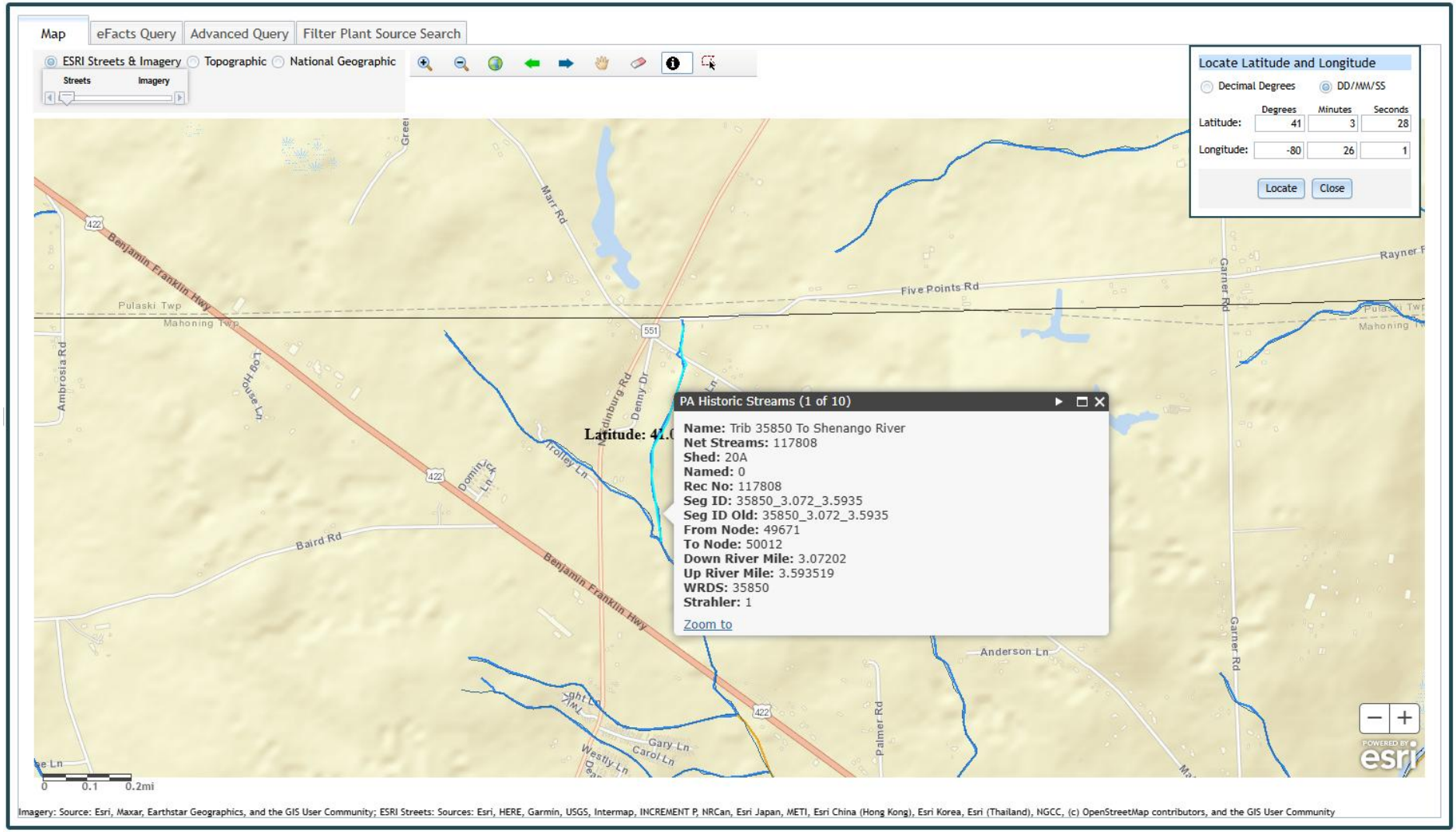
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	0.32	XXX	XXX	1/month	Grab
BOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab

Outfall 001, Effective Period: Three Years After Permit Effective Date through Permit Expiration Date.

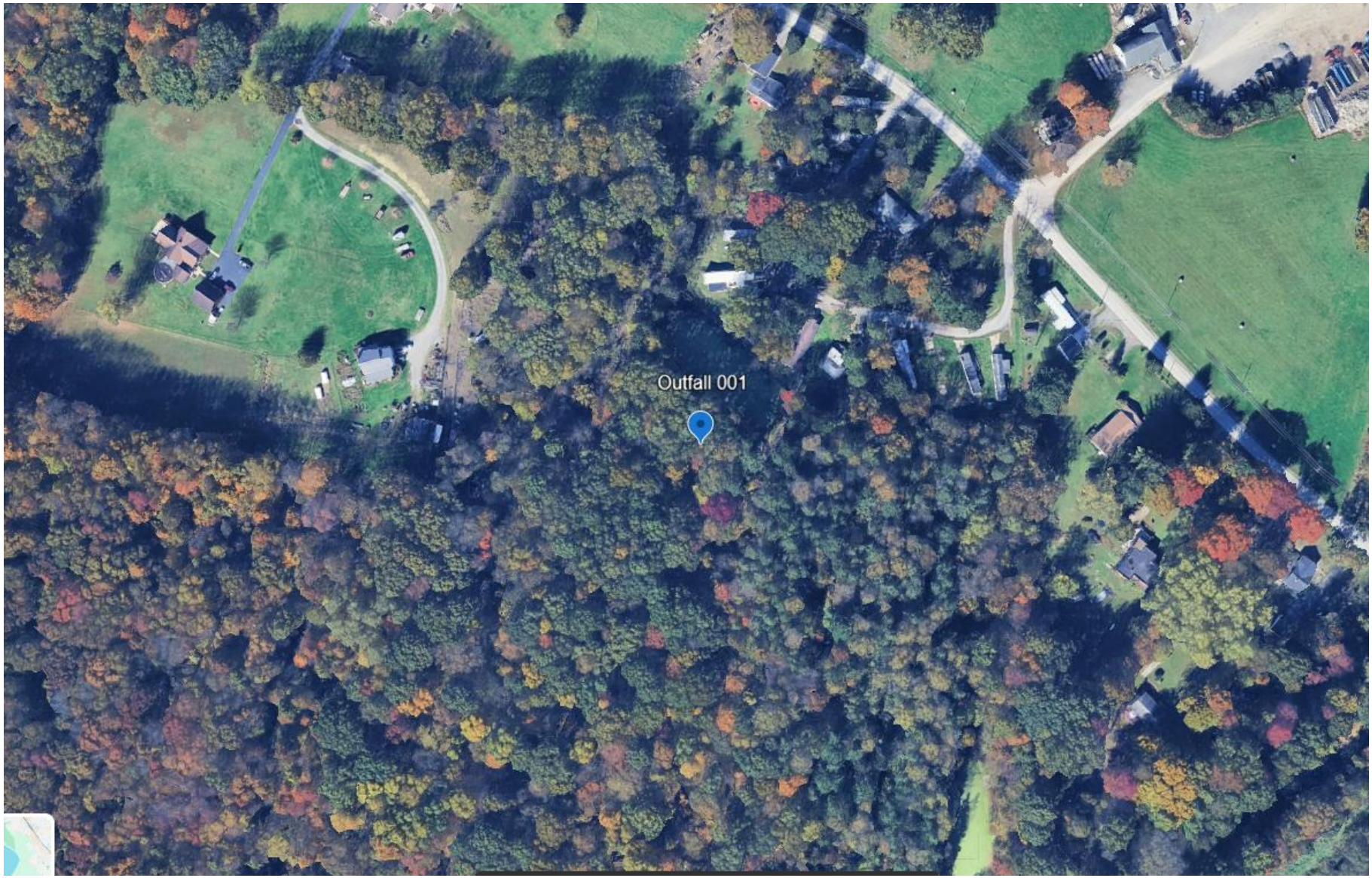
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
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
BOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	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.

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	CFC Calculations	
TRC	1.3.2.iii	WLA afc =	0.042	1.3.2.iii	WLA cfc =	0.034
PENTOXSD TRG	5.1a	LTAMULT afc =	0.373	5.1c	LTAMULT cfc =	0.581
PENTOXSD TRG	5.1b	LTA_afc=	0.016	5.1d	LTA_cfc =	0.020

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*Xs/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*Xs/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)**