Pennsylvania Department of Environmental Protection

Northcentral Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0111538**
Facility Type	**Non-Municipal**	APS ID	**1110098**
Major / Minor	**Minor**	Authorization ID	**1478026**

Applicant and Facility Information

Applicant Name	**Pine Valley Assoc LLP**	Facility Name	**Pine Valley Mobile Home Court**
Applicant Address	215 W Church Road Suite 105	Facility Address	1333 Johnstown Road
	King Of Prussia, PA 19406-3209		Mifflinburg, PA 17844-6909
Applicant Contact	Rachel Wachs	Facility Contact	Scott Rabuck
Applicant Phone	(610) 768-5885	Facility Phone	(570) 966-3586
Client ID	221041	Site ID	1583
Ch 94 Load Status	Not Overloaded	Municipality	West Buffalo Township
Connection Status	No Limitations	County	Union
Date Application Received	March 25, 2024	EPA Waived?	Yes
Date Application Accepted	April 5, 2024	If No, Reason	

Purpose of Application: Renewal of existing NPDES permit

Summary of Review

The above applicant has submitted an NPDES renewal application for an existing 0.03 MGD discharge from a wastewater treatment facility (WWTF) that serves Pine Valley Mobile Home Park (MHP) and Pine Valley Campground.

The wastewater collection system consists of gravity mains and laterals. The WWTF, installed in the 1970s, is an extended aeration steel package plant. Wastewater from the mobile home park is conveyed to the WWTF to where it is lifted by two pump stations to three 1,000-gallon concrete tanks, which provide equalization. Wastewater from the campground is lifted by a third pump station to the same 1,000-gallon concrete tanks. Wastewater then flows by gravity through the concrete tanks to the WWTF. The wastewater passes through a bar screen to the aeration tank, and to the clarifier for solids removal. Settled sludge is returned via air lift pumps to the aeration tank as return activated sludge (RAS) as part of the activated sludge treatment process. Excess waste activated sludge (WAS) is conveyed to an aerated sludge holding tank. After clarification, the wastewater is treated by erosion chlorination along with a chlorine contact tank. The wastewater is metered for flow and then dechlorinated with sodium bisulfite prior to discharge via gravity. Sludge in the storage tank is allowed to thicken with the decant pumped back to the aeration tank. When needed, the sludge is hauled to the Milton WWTF for disposal.

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		*Chad A. Fabian* Chad A. Fabian / Project Manager	January 16, 2026
X		*Nicholas W. Hartranft, P.E.* Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	January 20, 2026

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.03
Latitude	40º 56' 37.09"	Longitude	-77º 3' 18.35"
Quad Name	Mifflinburg, PA	Quad Code	40077
Wastewater Description:	Sewage Effluent		
Receiving Waters	North Branch Buffalo Creek	Stream Code	19037
NHD Com ID	66921189	RMI	1.4
Drainage Area	16.93	Yield (cfs/mi^2)	0.22
Q_{7-10} Flow (cfs)	3.777	Q_{7-10} Basis	USGS Gage #01553130
Elevation (ft)	573	Slope (ft/ft)	N/A
Watershed No.	10-C	Chapter 93 Class.	HQ-CWF
Existing Use	None	Existing Use Qualifier	N/A
Exceptions to Use	N/A	Exceptions to Criteria	None
Assessment Status	Impaired (Recreational Use)		
Cause(s) of Impairment	Pathogens		
Source(s) of Impairment	Source Unknown		
TMDL Status	None	Name	N/A
Nearest Downstream Public Water Supply Intake	Sunbury Municipal Authority		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	2,430
PWS RMI	124	Distance from Outfall (mi)	24

Changes Since Last Permit Issuance: None

Compliance History	
Summary of eDMRs:	eDMR data for the previous 12 months can be found on the next page. No effluent violations have been reported in the past
Summary of Inspections:	The most recent inspection performed by the Department was conducted on August 19, 2025. No violations were found during the inspection.

Other Comments: A WMS query shows that no open violations exist.

Compliance History

DMR Data for Outfall 001 (from December 1, 2024 to November 30, 2025)

Parameter	NOV-25	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24
Flow (MGD) Average Monthly	0.0221	0.0127	0.0222	0.0168	0.0198	0.0398	0.0362	0.0254	0.0285	0.0110	0.0061	0.0099
Flow (MGD) Daily Maximum	0.0305	0.0366	0.0129	0.0271	0.0409	0.0659	0.0652	0.0433	0.0759	0.0305	0.0166	0.0265
pH (S.U.) Instantaneous Minimum	6.6	6.6	6.6	6.7	6.6	6.8	6.8	6.7	6.6	6.6	6.7	6.6
pH (S.U.) Instantaneous Maximum	6.8	6.8	6.9	7.8	7.0	7.0	7.0	7.0	6.8	6.8	7.0	7.0
DO (mg/L) Instantaneous Minimum	4.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0
TRC (mg/L) Instantaneous Maximum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
CBOD5 (mg/L) Average Monthly	2.50	2.82	2.14	2.5	3.0	< 3.0	4.0	4.0	2.9	2.5	2.7	8.9
TSS (mg/L) Average Monthly	5.0	5.5	4.5	4.0	11.2	4.0	5.5	4.5	5.0	5.0	4.0	4.0
Fecal Coliform (No./100 ml) Geometric Mean	9.74	10.6	22.84	1.0	5.5	2.0	3.5	1.0	1.7	1.0	8.7	7.9
Total Nitrogen (mg/L) Annual Average												9.0
Ammonia (mg/L) Average Monthly	0.10	0.10	0.14	0.10	0.10	0.26	0.10	0.10	0.10	0.10	0.10	0.10
Total Phosphorus (mg/L) Annual Average												0.75

Development of Effluent Limitations			
Outfall No.	001	**Design Flow (MGD)**	.03
Latitude	40º 56' 36.00"	**Longitude**	-77º 3' 19.00"
Wastewater Description:	Sewage Effluent		

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)

Water Quality-Based Limitations

The Department's WQM7.0 model allows the Department to evaluate point source discharges of dissolved oxygen (DO), carbonaceous BOD (CBOD5), and ammonia-nitrogen (NH3-N) into free-flowing streams and rivers. To accomplish this, the model simulates two basic processes: the mixing and degradation of NH3-N in the stream and the mixing and consumption of DO in the stream due to the degradation of CBOD5 and NH3-N. WQM7.0 modeling was previously performed for the discharge to the North Branch of Buffalo Creek. No changes to the receiving water body have occurred. Additionally, no changes to the characteristics of the discharge have changed. Per the Department's SOP for reissuance of NPDES permits, no additional WQM7.0 modeling is required.

A "Reasonable Potential Analysis" was not performed since the facility is not required to test for toxics due to the low flow design of the discharge and lack of industrial contributors.

Anti-Backsliding

This draft permit will not relax any of the existing limitations and therefore proposes no backsliding per 40 CFR §§ 131.12 and 131.32.

Chesapeake Bay Tributary Strategy

Since the design of this facility is less than 0.2 MGD, the Department considers this an existing Phase 5 sewage facility for the purposes of implementing the Chesapeake Bay TMDL. According to the Department's Wastewater Supplement to Phase III WIP (last revised April 2, 2025), renewed Phase 5 facilities are required to contain monitoring and reporting for TN and TP throughout the permit term at a frequency of no less than annually, unless the facility has conducted at least two years of nutrient monitoring.

Pine Valley Mobile Home Park has completed the required nutrient monitoring. The results are as follows:

Parameter (mg/l)	2025	2024	2023	2022
Total Nitrogen	30.3	9.0	8.3	14.5
Total Phosphorus	4.3	0.75	1.2	1.6

Since the facility has completed at least 2 years of the required nutrient monitoring, this draft permit will remove the respective monitoring from the permit.

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" (386-0400-001), SOPs and/or BPJ.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Metered
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	XXX	XXX	0.02	1/day	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50	2/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	15.0	XXX	30	2/month	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	5.0	XXX	10	2/month	Grab
E. Coli	Report Annl Avg	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Grab

Compliance Sampling Location: 001

Other Comments:

-All of the above effluent limitations and monitoring frequencies are the same as the existing permit with the exception of the elimination of the total nitrogen and total phosphorus monitoring as previously described.
-In accordance with the Department's SOP for establishing NPDES permit effluent limitations, E. Coli monitoring has been added to the permit.
-TRC limit is non-detect since the facility discharge to a HQ-CWF as designated by the Department's Chapter 93 standards. The facility does dechlorinate to meet the limitation.

It is recommended that the permit be drafted as described herein.