

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

## NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0063797  
APS ID 642450  
Authorization ID 1480143

### Applicant and Facility Information

Applicant Name <u>Pocono Valley Personal Care Center</u>	Facility Name <u>Pocono Valley Personal Care Center – Gluco Lodge</u>
Applicant Address <u>1127 Kemmertown Road</u> <u>Stroudsburg, PA 18360-6799</u>	Facility Address <u>1127 Kemmertown Road</u> <u>Stroudsburg, PA 18360-6799</u>
Applicant Contact <u>Jerome Perry</u>	Facility Contact <u>Jerome Perry</u>
Applicant Phone <u>(570) 992-5754</u>	Facility Phone <u>(570) 922-5754</u>
Client ID <u>136007</u>	Site ID <u>482739</u>
Ch 94 Load Status _____	Municipality <u>Hamilton Township</u>
Connection Status _____	County <u>Monroe</u>
Date Application Received <u>April 10, 2024</u>	EPA Waived? <u>Yes</u>
Date Application Accepted <u>April 17, 2024</u>	If No, Reason _____
Purpose of Application <u>Renewal of existing NPDES Permit to discharge treated sewage effluent.</u>	

### Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.0065 MGD of treated sewage into an Unnamed Tributary (4759) to Cherry Creek, a High Quality, Cold-Water Fishery, Migratory Fish (HQ, CWF, MF) receiving stream in State Water Plan Basin 1-E (Brodhead Creek). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use. This stream segment is not designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

The system for the facility is primary treatment via a grinder, followed by a flow equalization tank, an aeration tank, sand filter, and then uses chlorine tablets for disinfection. Other additives introduced in the system are: D-chlor tablets for de-chlorination. There are no planned upgrades to this facility.

There are no representative stream gages in the vicinity of the outfall. The state-wide default low flow yield (LFY) of 0.1 cfs/mi<sup>2</sup> was used to model the discharge. RMI values were obtained using the Department's eMapPA, drainage areas were delineated using USGS's StreamStats interactive map, and elevations were obtained using the elevation profile tool on StreamStats.

E. Coli monitoring requirements will be introduced into the new permit according to PA DEP policy for individual sewage effluent limitations. E. Coli requirements for a treatment plant with less than .05mgd discharge is found in the SOP for establishing effluent limitations for individual sewage.

Total Nitrogen sampling on the application resulted in an average value of 39.3mg/L. Total Phosphorus sampling on the application resulted in 5.0mg/L average. There are no lakes or ponds downstream of this facility. The annual monitoring and reporting requirements for Total Nitrogen, Total Phosphorous, Total Kjeldahl Nitrogen, and Nitrate-Nitrite as N have been maintained in this permit.

Approve	Deny	Signatures	Date
X		<i>William Hon</i> William Hon / Environmental Engineer Specialist	April 3, 2025
X		<i>Edward Dudick</i> Edward Dudick, P.E. / Environmental Engineer Manager	April 3, 2025

Summary of Review

Limitations for pH and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for Dissolved Oxygen (DO), Total Residual Chlorine (TRC), CBOD<sub>5</sub>, Total Suspended Solids (TSS), and Ammonia-Nitrogen are water quality-based and carried over from the previous permit. WQM 7.0 and the TRC Calculation Spreadsheet did not recommend stricter limits.

Application states a total of .281 dry tons of sludge is hauled offsite yearly to Greater Hazleton Joint Sewer Authority. Sludge is hauled via independent contractor.

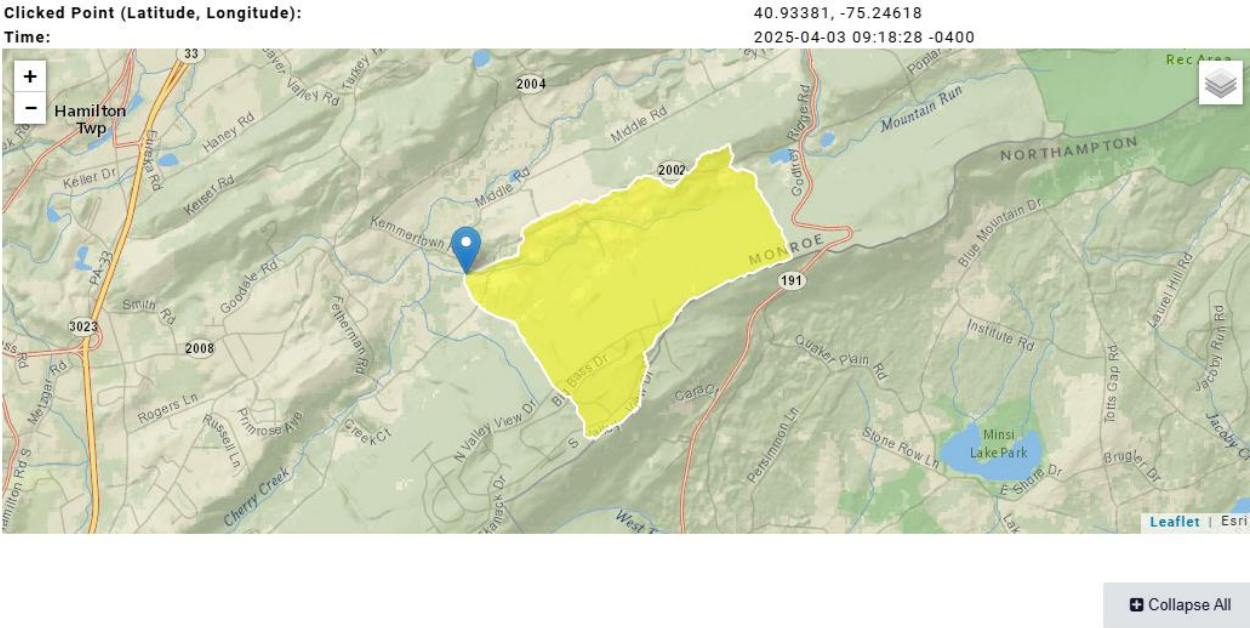
This facility resides in the Delaware River Basin. At the time of this renewal, there is no DRBC docket associated with this facility.

Special conditions in this permit are as follows: Chlorine Minimization, Solids Management for Non-Lagoons, DRBC Requirements

The previous inspection held at this facility occurred on 1/4/2022 and resulted in zero (0) NOVs. There are no open violations in the Clean Water Program that would warrant the withholding of the issuance of this permit. Recommend Approval.

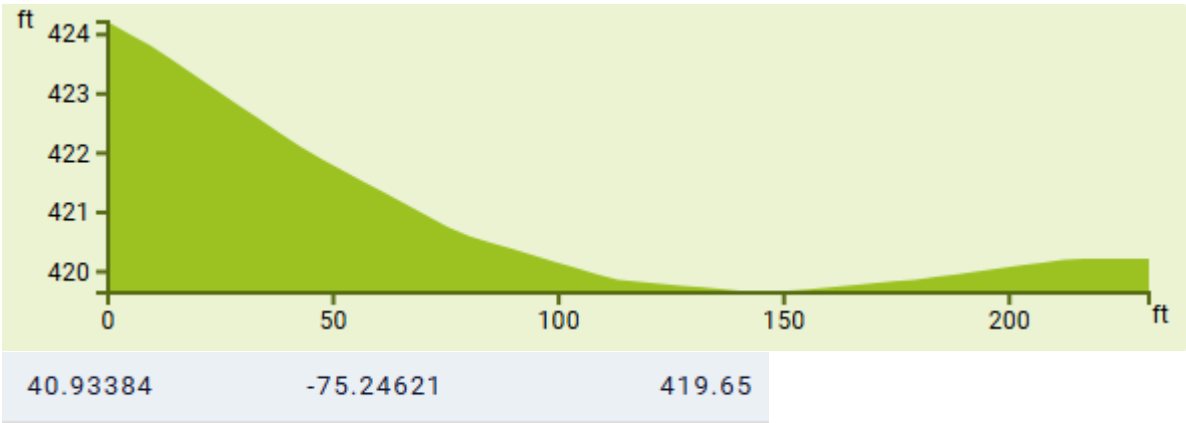
Modeling Inputs:

PT 1 @ Outfall: Tributary 4759 to Cherry Creek, 1-E (Brodhead Creek), HQ-CWF, RMI: .55(For modeling purposes)

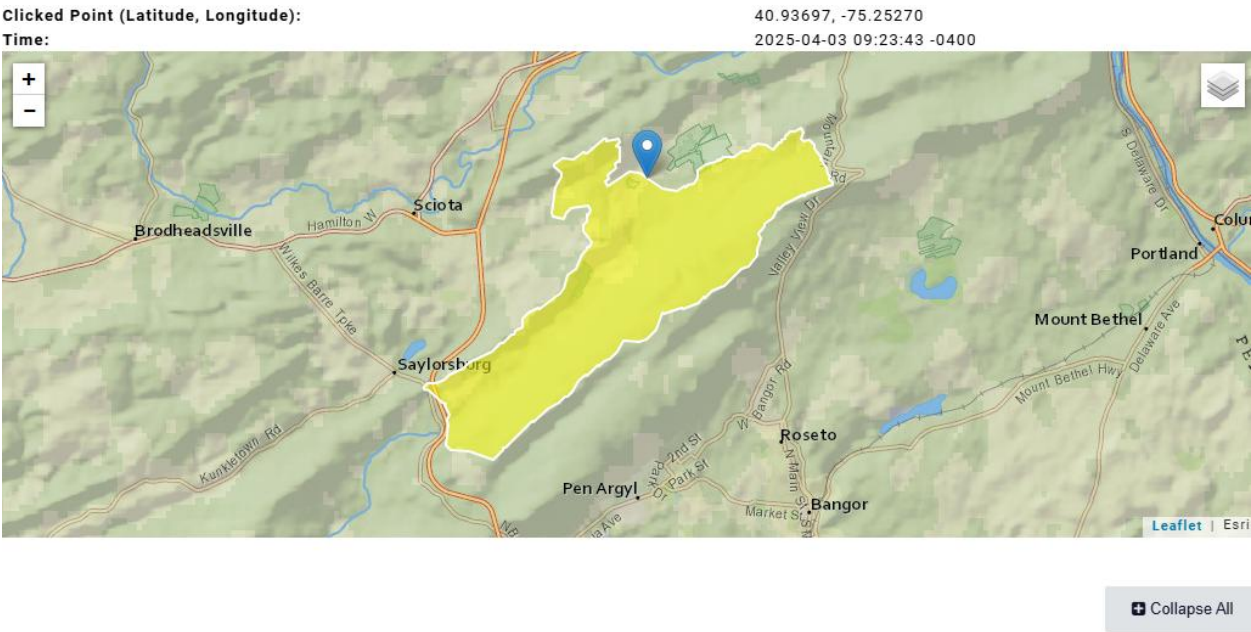


Basin Characteristics			
Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	2.39	square miles
7 Day 10 Year Low Flow		0.118	ft^3/s

Summary of Review



Pt 2 @ conflux w/ Cherry Creek, RMI .01 (for modeling purposes)



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	10.1	square miles
7 Day 10 Year Low Flow		0.509	ft <sup>3</sup> /s

Summary of Review

40.93702                      -75.25282                      402.34

Analysis Results WQM 7.0

Hydrodynamics    NH3-N Allocations    D.O. Allocations    D.O. Simulation    **Effluent Limitations**

RMI	Discharge Name	Permit Number	Disc Flow (mgd)
0.55	Pocono PC	PA0063797	0.0065

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	25	50	
Dissolved Oxygen			3

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Summary of Review

**TRC EVALUATION**

Input appropriate values in A3:A9 and D3:D9

0.118	= Q stream (cfs)	0.5	= CV Daily
0.0065	= 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 = 3.762	1.3.2.iii	WLA cfc = 3.661
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc = 1.402	5.1d	LTA_cfc = 2.128

Source	Effluent Limit Calculations
PENTOXSD TRG 5.1f	AML MULT = 1.231
PENTOXSD TRG 5.1g	AVG MON LIMIT (mg/l) = 0.500
	INST MAX LIMIT (mg/l) = 1.635
	BAT/BPJ

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.

