

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

## NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0035726  
APS ID 594424  
Authorization ID 1473828

### Applicant and Facility Information

Applicant Name <u>Camp Ramah In The Poconos</u>	Facility Name <u>Camp Ramah</u>
Applicant Address <u>2100 Arch Street Floor 5a</u> <u>Philadelphia, PA 19103-1300</u>	Facility Address <u>2618 Upper Woods Road</u> <u>Lakewood, PA 18439-3939</u>
Applicant Contact <u>Bruce Lipton</u>	Facility Contact <u>Edward Mayo</u>
Applicant Phone <u>(215) 885-8556</u>	Facility Phone <u>(570) 798-2504</u>
Client ID <u>39457</u>	Site ID <u>246702</u>
Ch 94 Load Status <u>Not Overloaded</u>	Municipality <u>Buckingham Township</u>
Connection Status <u></u>	County <u>Wayne</u>
Date Application Received <u>February 21, 2024</u>	EPA Waived? <u>Yes</u>
Date Application Accepted <u>February 21, 2024</u>	If No, Reason <u></u>
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 0.03 MGD of treated sewage into an Unnamed Tributary to Equinunk Creek, a High Quality, Cold-Water Fishery, Migratory Fish (HQ-CWF, MF) receiving stream in State Water Plan Basin 1-A (Shehawken – Rattlesnake Creeks). 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.

The system uses an influent settling tank, followed by an aeration house, then sand filters, and finally uses chlorination for disinfection. Soda ash is added to adjust pH. De-chlorination tablets are added on a as-needed basis during discharge.

Limitations for pH, Total Suspended Solids (TSS), and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for Dissolved Oxygen (DO), Ammonia-Nitrogen, TRC, and CBOD<sub>5</sub> are water quality-based and carried over from the previous permit.

The latest DRBC Docket No. D-2005-030-4 requires monthly monitoring/reporting for CBOD<sub>5</sub> (at 20° C) Percent Removal and CBOD<sub>5</sub> (at 20° C) of the Raw Sewage Influent. The 1,000 mg/L limit for Total Dissolved Solids with monthly monitoring/reporting has been maintained in this permit.

The May 1 to September 30 monthly monitoring and reporting for Total Nitrogen, Total Phosphorous, Total Kjeldahl Nitrogen, and Nitrate-Nitrite as N has been maintained in this permit.

Monitoring frequencies for all parameters with limitations have been updated to the recommended frequencies found in Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limitations (Document No. 362-0400-001).

Approve	Deny	Signatures	Date
X		<i>William Hon</i> William Hon / Environmental Engineer Specialist	March 14, 2025
X		<i>Edward Dudick</i> Edward Dudick, P.E. / Environmental Engineer Manager	March 17, 2025

Summary of Review

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

River Mile Index (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. There are no representative stream gages in the vicinity of the outfall and the drainage area generated from StreamStats was too small to produce an accurate low flow yield (LFY) and Q<sub>7-10</sub> Flow. Therefore, the state-wide default LFY of 0.1 cfs/mi<sup>2</sup> was used to model the discharge. There is a representative stream gauge in the vicinity of the second point used to model: USGS Station 01427200 located on Equinuck Creek. The data from this gauge was used for modeling purposes at point 2.

As per the permittee’s consultant and last permit fact sheet, sludge is hauled by Koberlein Environmental Services to their site located in Canaan Township and South Canaan Township, Wayne County, PA. Site address is 2809 Easton Turnpike, Waymart, PA 18472.

The previous permit will expire on December 31, 2024. This permit renewal application package was submitted on time.

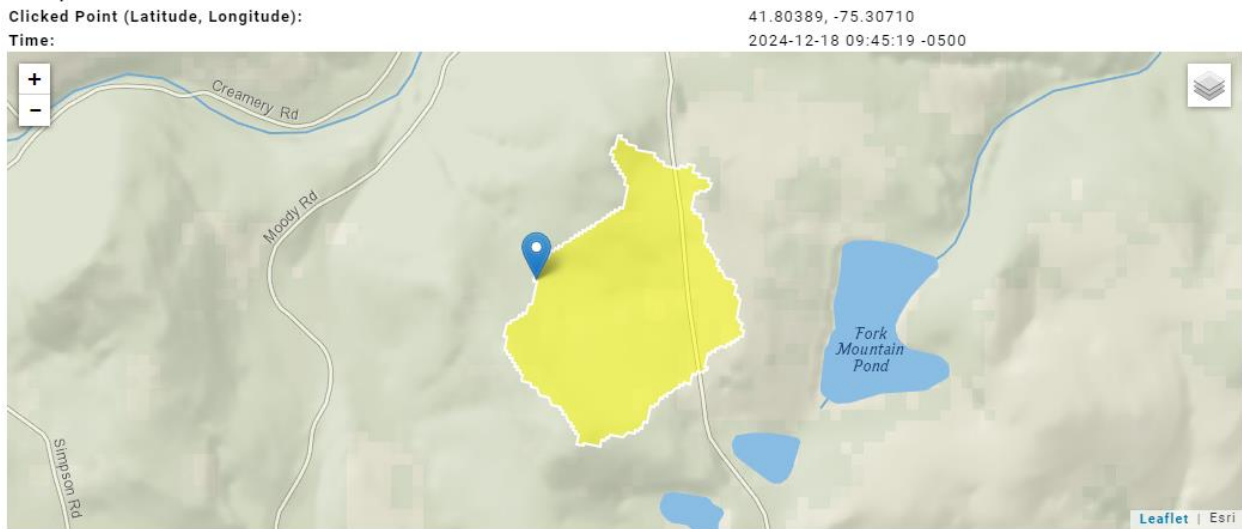
The last inspection held for this facility was an Administrative/File review inspection held on 3/14/2024 which had 1 NOV, which was corrected the same day. This facility currently has 2 open NOVs for failure to pay annual fees.

This facility has had a history of effluent non-compliance as seen in DMR submissions. This facility discharges to a stream with little-to-no stream flow. The issues lay with the TRC and Ammonia-Nitrogen limitations. The permittee has stated intention to work with an engineer to resolve this issue.

Recommend Approval.

Modeling Inputs:

Pt 1 @ Outfall  
Tributary 06532 to Equinuck Creek, 6532, RMI .01



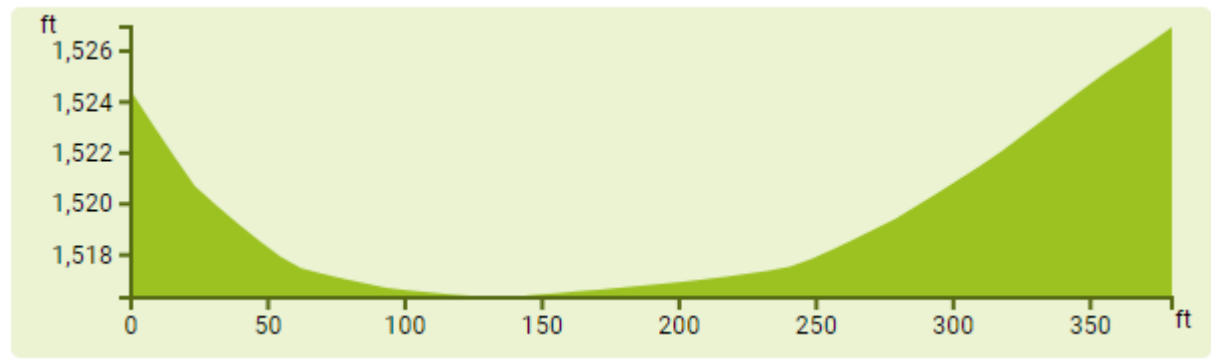
Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.14	square miles

Summary of Review

7 Day 2 Year Low Flow	0.00829	ft^3/s
30 Day 2 Year Low Flow	0.0133	ft^3/s
7 Day 10 Year Low Flow	0.00196	ft^3/s



41.80384	-75.30721	1516.32	131.74
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Flow: .014 (.1 \* .14)

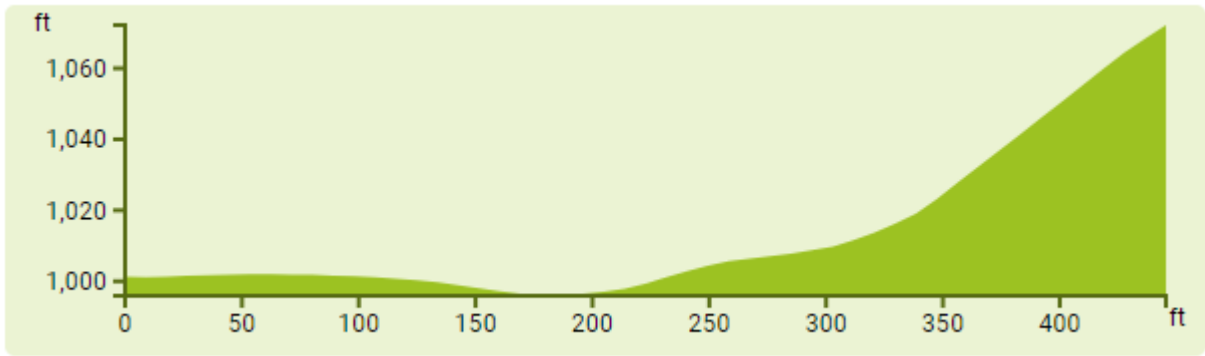
PT 2 @ Conflux of Equinuck Creek and Kenneyville Creek Approx 5.2miles away  
RMI: 5.21

Clicked Point (Latitude, Longitude):  
Time:

41.82599, -75.25231  
2024-12-18 10:06:54 -0500

Basin Characteristics					
Parameter Code	Parameter Description		Value	Unit	
DRNAREA	Area that drains to a point on a stream		44.9	square miles	
7 Day 2 Year Low Flow	7.15	ft^3/s	38	38	
30 Day 2 Year Low Flow	9.63	ft^3/s	33	33	
7 Day 10 Year Low Flow	3.29	ft^3/s	57	57	

Summary of Review



41.82597	-75.25205	995.92	178.17
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Flow: 1.2598 (Gauge)

Low Flow Gauge indicator USGS Station 01427200 near pt 2

Statistic Name	Value	Units
7 Day 2 Year Low Flow	3.89934803745856	cubic feet per second
7 Day 10 Year Low Flow	1.25985916599862	cubic feet per second

RMI

Discharge Name

Permit Number

Disc Flow (mgd)

5.21

Camp Kemah

PA0035726

0.0300

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	6.83	13.66	
Dissolved Oxygen			5

Record: 1 of 1

No Filter

Search

Summary of Review

**TRC EVALUATION**

Input appropriate values in A3:A9 and D3:D9

0.014	= Q stream (cfs)	0.5	= CV Daily
0.03	= 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 = 0.115	1.3.2.iii	WLA cfc = 0.105
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc= 0.043	5.1d	LTA_cfc = 0.061

Source	Effluent Limit Calculations
PENTOXSD TRG	5.1f AML MULT = 1.231
PENTOXSD TRG	5.1g AVG MON LIMIT (mg/l) = 0.053 AFC
	INST MAX LIMIT (mg/l) = 0.173

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.

