

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0060356
APS ID 482487
Authorization ID 1479668

Applicant and Facility Information

Applicant Name	<u>Camp Wayne for Boys, Inc.</u>	Facility Name	<u>Camp Wayne for Boys WWTP</u>
Applicant Address	<u>55 Channel Drive</u> <u>Port Washington, NY 11050</u>	Facility Address	<u>15 Camp Wayne Road</u> <u>Preston Park, PA 18455</u>
Applicant Contact	<u>Josh Corpuel</u>	Facility Contact	<u>Dan Andreson</u>
Applicant Phone	<u>(516) 883-3067</u>	Facility Phone	<u>(570) 798-2193</u>
Client ID	<u>82958</u>	Site ID	<u>261128</u>
Ch 94 Load Status	<u>N/A</u>	Municipality	<u>Buckingham Township</u>
Connection Status	<u>N/A</u>	County	<u>Wayne</u>
Date Application Received	<u>April 8, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>April 8, 2024</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		


Summary of Review

The applicant is requesting renewal of NPDES Permit No. PA0060356 to authorize a discharge of up to 0.021 MGD of treated sewage from a minor sewage treatment plant into Lower Twin Lake, which is formed by the impoundment of Kinneyville Creek, in State Water Plan Watershed 01-A. Per the Department's current existing use list, the receiving segment of Kinneyville Creek does not have an existing use classification that is more protective than the designated use (HQ-CWF, MF). The discharge is not expected to affect public water supplies. The 2024 Pennsylvania Integrated Water Quality Monitoring and Assessment Report lists the receiving segment of Kinneyville Creek as 'Supporting' for aquatic life. It also lists Lower Twin Lake as 'Supporting' for recreation.

Camp Wayne for Boys is a seasonal summer youth camp that typically operates during the summer months. The WWTP is a 21,000 gpd two-stage aerated lagoon treatment system. It consists of a septic tank for solids removal, a first stage 1.0 MG treatment lagoon, and a second stage 0.5 MG treatment lagoon. Treated effluent from the 0.5 MG lagoon is pumped to a chlorine contact tank for disinfection and then discharged from Outfall 001.

Permit limits remain unchanged from the previously issued permit. The TRC Calculation Spreadsheet recommended a slightly more stringent monthly average limitation (0.44 mg/L) when compared to the current technology-based limitation of 0.5 mg/L. The 0.44 mg/L limitation is based on modeling this as a stream discharge at a location near the lake outlet. Since the facility discharges directly to a lake and thus additional dilution is available, the 0.5 mg/L monthly average limitation will remain in this renewal. WQM 7.0 did not recommend more stringent limitations for CBOD₅, Ammonia-N, or Dissolved Oxygen.

For modeling inputs, the drainage areas at the two model points were obtained from USGS's StreamStats interactive map, RMIs were obtained from PA DEP's eMapPA, and elevations were obtained using the elevation profile tool of StreamStats (see Watershed Information attachment). The statewide default low flow yield (LFY) of 0.1 cfs/mi² was used to model the discharge since there's no nearby reference stream gages to obtain low flow data from.

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Project Manager	December 27, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	12-27-24

Summary of Review

Minimum measurement frequencies for all parameters with limitations are in accordance with Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limitations. The measurement frequency requirements are in effect only during months when the facility discharges.

Annual monitoring and reporting requirements for Total Nitrogen, Total Kjeldahl Nitrogen, Nitrate+Nitrite as N, and Total Phosphorus are carried over in this renewal. As per current DEP guidance, annual monitoring/reporting for E. Coli is added to this renewal.

The facility does not have an active DRBC discharge docket.

Part C.III is included in the permit requiring the permittee to notify the Department's Northeast region Clean Water Monitoring and Compliance section by phone at least 24 hours prior to commencement of each discharge

Sludge use and disposal description and location(s): The permit renewal application indicates no sludge was hauled from the facility in the previous year. The renewal application for the previously issued permit notes that Koberlein Environmental Services disposes of the facility's sewage sludge at the Central Wayne Regional Authority WWTP and the Waymart Area Authority WWTP.

Note: The required sample type for Total Phosphorus is updated from "grab" to 8-hour composite" during this renewal.



WQM
Modeling.pdf



TRC Calculation.pdf



Watershed
Information.pdf

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, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.021
Latitude	41° 51' 30"	Longitude	-75° 20' 14"
Quad Name	Lake Como	Quad Code	0443
Wastewater Description: Sewage Effluent			
Receiving Waters	Tributary 6495 to Kinneyville Creek	Stream Code	6495
NHD Com ID	25865458	RMI	0.5 (lake outlet)
Drainage Area	0.97 mi ²	Yield (cfs/mi ²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.097	Q ₇₋₁₀ Basis	Default LFY
Elevation (ft)	1498	Slope (ft/ft)	0.036
Watershed No.	1-A	Chapter 93 Class.	HQ-CWF, MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-
Background/Ambient Data		Data Source	
pH (SU)	-		-
Temperature (°F)	-		-
Hardness (mg/L)	-		-
Other:	-		-
Nearest Downstream Public Water Supply Intake	Easton Area Water System		
PWS Waters	Delaware River	Flow at Intake (cfs)	1105
PWS RMI	110.5	Distance from Outfall (mi)	~150

Treatment Facility Summary				
Treatment Facility Name: Camp Wayne for Boys Inc.				
WQM Permit No.	Issuance Date	Scope		
163S13	1/16/1994	STP consisting of two waste stabilization ponds (in series), a chlorine contact tank, and chlorination facilities		
6406402	7/26/2006	Installation of surface aerators, tablet dechlorination system, and post-aeration. Post construction certification received 11/21/2006.		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Waste Stabilization Ponds	Sodium Hypochlorite	0.017 (2023)
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.021	45 (2006 WQM Permit)	N/A	Settled	Hauled

Development of Effluent Limitations

Outfall No. 001
Latitude 41° 50' 30.00"
Wastewater Description: Sewage Effluent

Design Flow (MGD) .021
Longitude -75° 20' 14.00"

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	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	-	-
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	-	-
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)
	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
	1.17	IMAX	-	-

Note: The summertime technology-based Fecal Coliform limitations are also in effect for the winter months as in previous renewals.

Water Quality-Based Limitations


Parameter	Limit (mg/l)	SBC	Model / Basis
Ammonia Nitrogen (May 1 – Oct 31)	3.0	Average Monthly	Previous Modeling
	6.0	IMAX	
Ammonia Nitrogen (Nov 1 – Apr 30)	9.0	Average Monthly	Previous Modeling
	18.0	IMAX	
Dissolved Oxygen	7.0	Minimum	Previous Modeling

Anti-Backsliding

No limitations were removed from the permit or made less stringent.



DRAFT

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Project Manager	December 27, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	12-27-24