

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

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0062006
APS ID 491605
Authorization ID 1254345

Applicant and Facility Information

Applicant Name	<u>YMCA Of Wilkes-Barre, Inc.</u>	Facility Name	<u>Camp Kresge</u>
Applicant Address	<u>40 West Northampton Street</u> <u>Wilkes-Barre, PA 18711</u>	Facility Address	<u>382 Senator Raphael Musto Drive</u> <u>White Haven, PA 18661</u>
Applicant Contact	<u>Michael McElhinney,</u> <u>Senior Director of Camping Services</u>	Facility Contact	<u>Ryan Detweiler, Operator</u>
Applicant Phone	<u>(570) 443-2267</u>	Facility Phone	<u>(570) 341-6738</u>
Client ID	<u>44162</u>	Site ID	<u>261191</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Dennison Township</u>
Connection Status	<u>-</u>	County	<u>Luzerne</u>
Date Application Received	<u>November 30, 2018</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 7, 2018</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit for discharge of treated sewage.</u>		

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.009 MGD of treated sewage into Nescopeck Creek, a High Quality, Cold-Water Fishery, Migratory Fish (HQ, CWF, MF) receiving stream in State Water Plan Basin 5-D (Nescopeck 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 designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

The previous permit and base layers on eMapPA, Google Maps, and StreamStats show the stream the facility discharges into as Nescopeck Creek. However, the plans provided in the application package and the "PA Historic Streams" layer in eMapPA indicate the facility discharges into Creasy Creek. This permit renewal will continue to use Nescopeck Creek as the stream the receives the facility's discharge.

Limitations for pH, CBOD₅, Total Suspended Solids (TSS), and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for Dissolved Oxygen (DO) are water quality-based and carried over from the previous permit.

WQM 7.0 was used to model the discharge. Modeling recommended a stricter summertime limitation of 17.5 mg/L monthly average for Ammonia-Nitrogen (May 1 – October 31). Wintertime (November 1 – April 30) monitoring/reporting for Ammonia-Nitrogen is still required. eDMR data from the past year confirms the facility should be able to meet the new limits.

The 1.2 mg/L monthly average and 2.8 mg/L IMAX limitations for Total Residual Chlorine (TRC) in the previously issued permit were technology-based limitations. As per PA Code 92a.47(a)(8) (which refers to PA Code 92a.48(b)(2)), a monthly average TRC facility-specific BAT effluent limit of 0.5 mg/L and an IMAX limit of 1.6 mg/L has been applied to this permit renewal. The TRC Calculation Spreadsheet did not recommend more stringent water quality-based limitations.

Approve	Deny	Signatures	Date
X		/s/ Allison Seyfried / Environmental Engineering Specialist	August 7, 2019
X		/s/ Amy M. Bellanca, P.E. / Environmental Engineer Manager	August 7, 2019

Summary of Review

The permittee will be required to meet the new technology-based limits for TRC starting three years after the effective date of the permit (see Part C.III.).

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).

A final Total Maximum Daily Load (TMDL) exists for Black Creek, Little Nescopeck Creek, and UNT Little Nescopeck Creek Watershed. The TMDL addresses pH and metals (iron, manganese, and aluminum) associated with acid mine drainage (AMD). There are no approved Waste Load Allocation (WLA) for this facility. Since this is a sewage discharge with no industrial contributors, no appreciable quantities of these metals are expected to be present in the effluent.

There are no representative stream gages in the vicinity of the outfall. The state-wide default low flow yield (LFY) of 0.1 cfs/mi² 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.

As per the permittee's Sewage Sludge and Biosolids Supplemental Report forms, sludge is hauled to the Hazleton Sewer Authority in Hazleton, PA by Environmental Service Corp.

The existing permit expired on May 31, 2019 and the application for renewal was received on time. A Water Management System Inspection query indicated that on 8/26/2016 a Routine/Partial Inspection was performed.

There are no open violations for this client that warrant withholding issuance of this permit.



Watershed Info -
Camp Kresge.pdf



TRC_CALC - Camp
Kresge.pdf



WQM - Camp
Kresge.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.	<u>001</u>	Design Flow (MGD)	<u>.009</u>
Latitude	<u>41° 5' 16.19"</u>	Longitude	<u>-75° 50' 30.49"</u>
Quad Name	<u>White Haven</u>	Quad Code	<u>1039</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Nescopeck Creek (HQ-CWF, MF)</u>	Stream Code	<u>28102</u>
NHD Com ID	<u>65636749</u>	RMI	<u>36.3600</u>
Drainage Area	<u>0.87 mi²</u>	Yield (cfs/mi ²)	<u>0.10</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.087</u>	Q ₇₋₁₀ Basis	<u>State-wide default</u>
Elevation (ft)	<u>1,137</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>5-D</u>	Chapter 93 Class.	<u>HQ-CWF, MF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>Final</u>	Name	<u>Little Nescopeck Creek</u>
Nearest Downstream Public Water Supply Intake	<u>Danville Borough Water Authority</u>		
PWS Waters	<u>Susquehanna River</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>122.58</u>	Distance from Outfall (mi)	<u>-</u>

Treatment Facility Summary				
Treatment Facility Name: Camp Kresge				
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Aerated Lagoon	Hypochlorite	0.0029
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.009	18.77	Not Overloaded	Lagoon	Hauled

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.009
Latitude 41° 5' 16.00" **Longitude** -75° 50' 30.00"
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	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	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)
	1.6	IMAX	-	

Water Quality-Based Limitations

The following limitations were determined through water quality modeling (output files attached):

Parameter	Limit (mg/l)	SBC	Model
Ammonia-Nitrogen (May 1 - Oct 31)	17.5	Average Monthly	WQM 7.0
Ammonia-Nitrogen (Nov 1 - Apr 30)	Report	Average Monthly	
Dissolved Oxygen	6.0	Minimum	Previous Modeling

Anti-Backsliding

No limitations were made less stringent.