

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

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0061573
 APS ID 620493
 Authorization ID 1318605

Applicant and Facility Information

Applicant Name	<u>Camp Hachshara-Moshava of New York Inc.</u>	Facility Name	<u>Camp Moshava</u>
Applicant Address	<u>520 Eighth Avenue 15th Floor</u> <u>New York, NY 10018</u>	Facility Address	<u>245 Navajo Road</u> <u>Honesdale, PA 18431-3127</u>
Applicant Contact	<u>Alan Silverman</u>	Facility Contact	<u>Michael Batzel</u>
Applicant Phone	<u>(212) 465-9021</u>	Facility Phone	<u>(570) 253-4271</u>
Client ID	<u>44189</u>	Site ID	<u>246730</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Berlin Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Wayne</u>
Date Application Received	<u>June 23, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>June 23, 2020</u>	If No, Reason	<u></u>
Purpose of Application	<u>RENEWAL OF EXISTING NPDES PERMIT.</u>		

Summary of Review

The applicant is requesting renewal of an NPDES permit to discharge up to 0.036 MGD of treated sewage to an unnamed tributary to Indian Orchard Brook (HQ-CWF, MF), (stream code 64436), in State Water Plan Basin 01-B (Lackawaxen River). It is classified for High Quality-Cold Water and Migratory Fish, aquatic life, water supply and recreation. 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. The discharge is not expected to affect public water supplies.

All effluent limits from the previously issued permit are carried over in this renewal. TSS, Fecal Coliform, and pH limits are technology-based. Dissolved Oxygen, Total Residual Chlorine, CBOD₅, and Ammonia-Nitrogen limits are water quality-based limits based.

The existing permit expires on 1/31/2021 and the application was received on 6/23/2020.

The NMS query "Violations – eFACTS – Open Violations for Client was run. There are currently no open violations.

The EPA Waiver is in effect.

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

Approve	Deny	Signatures	Date
X		Bernard Feist (signed) Bernard Feist, P.E. / Environmental Engineer	September 22, 2021
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	9-27-21

Summary of Review

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)	0.036
Latitude	41° 34' 15.5"	Longitude	-75° 12' 44.3"
Quad Name	White Mills	Quad Code	0644
Wastewater Description: Treated sewage.			
Receiving Waters	Trib 64436 to Indian Orchard Brook	Stream Code	64436
NHD Com ID	25943228	RMI	2.33
Drainage Area	0.47 mi ²	Yield (cfs/mi ²)	0.08
Q ₇₋₁₀ Flow (cfs)	0.038	Q ₇₋₁₀ Basis	DFLOW analysis @ gage 01429500 (last 25 years of data)
Elevation (ft)	1204	Slope (ft/ft)	0.061
Watershed No.	1-B	Chapter 93 Class.	HQ-CWF/MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Nearest Downstream Public Water Supply Intake		Easton Area Water System	
PWS Waters	Delaware River	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	> 50 miles

Gage	Period	Days in +	7Q10	F
01429500 - Dyberry Creek near Honesdale, PA	1994/04/01 - 2021/04/01	9,862	5.11	

Double-click on biological flow value for excursion analysis

STATION.--01429500 DYBERRY CREEK NEAR HONESDALE, PA
 LOCATION.--Lat 41° 36'26", long 75° 16'03", Wayne County, Hydrologic Unit 02040103, on right bank 180 ft upstream from unnamed tributary, 1,700 ft downstream from General Edgar Jadwin Reservoir, 2.1 mi north of Honesdale, and 2.6 mi upstream from mouth.
 DRAINAGE AREA.--64.6 square miles.
 Low Flow yield = 5.11 cfs/ 64.6 square miles = 0.08

Outfall 001 RMI 2.33
 Drainage Area: 0.47 mi² (1204 ft) ; Stream flow = 0.038 cfs

RMI 1.86
 Drainage Area: 2.76 mi² (1050 ft)

Development of Effluent Limitations

Outfall No. 001
 Latitude 41° 33' 16.00"
 Wastewater Description: Sewage Effluent

Design Flow (MGD) .036
 Longitude -75° 13' 27.00"

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" (362-0400-001) and/or BPJ.

Monitoring frequencies for all parameters with limitations will be the frequencies found in Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limitations (doc. no. 362-0400-001)

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Parameter	Minimum	Average Monthly	Average Weekly	IMAX	Basis
Flow (MGD)	XXX	Report	Report Max Daily	XXX	§§ 92a.27, 92a.61
CBOD5 (mg/L)	XXX	25	40	50	§ 92a.47
TSS (mg/L)	XXX	30	45	60	§ 92a.47
TRC (mg/L)	XXX	0.5	XXX	1.6	§§ 92a.47-48
NH3-N (mg/L)	XXX	25	XXX	50	BPJ
D.O. (mg/L)	4	XXX	XXX	XXX	BPJ
pH (SU)	6	XXX	XXX	9	§ 92a.47, § 95.2
Total N (mg/L)	XXX	Report	XXX	XXX	§ 92a.61
Total P (mg/L)	XXX	Report	XXX	XXX	§ 92a.61
Fecal Coliform (No./100 ml) (May-Sept)	XXX	200 Geo Mean	XXX	1,000	§ 92a.47
Fecal Coliform (No./100 ml) (Oct-April)	XXX	2,000 Geo Mean	XXX	10,000	§ 92a.47
E. Coli (No./100 ml)*	XXX	XXX	XXX	Report	§ 92a.61

* 2021 update - Sewage discharges will include monitoring, at a minimum, for E. Coli, in new and reissued permits, with a monitoring frequency of 1/month for design flows >= 1 MGD, 1/quarter for design flows >= 0.05 and < 1 MGD, 1/year for design flows of 0.002 – 0.05 MGD.

Comments: However, This is a High Quality Stream

Water Quality-Based Limitations

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

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)
2.33	Camp Moshava	PA0061573	0.0360

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	3.34	6.68	
Dissolved Oxygen			7

Record: 1 of 1 | No Filter | Search

TRC EVALUATION			
Input appropriate values in A3:A9 and D3:D9			
0.038	= Q stream (cfs)	0.5	= CV Daily
0.036	= Q discharge (MGD)	0.5	= CV Hourly
4	= 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 = 0.237	1.3.2.iii WLA_cfc = 0.223
PENTOXSD TRG	5.1a	LTAMULT_afc = 0.373	5.1c LTAMULT_cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc = 0.088	5.1d LTA_cfc = 0.130
Source	Reference	Effluent Limit Calculations	AFC
PENTOXSD TRG	5.1f	AML_MULT = 1.720	
PENTOXSD TRG	5.1g	AVG_MON_LIMIT (mg/l) = 0.152	AFC
		INST_MAX_LIMIT (mg/l) = 0.355	

Anti-Backsliding

Keep existing limits

Compliance History

DMR Data for Outfall 001 (from July 1, 2020 to June 30, 2021)

Parameter	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20
Flow (MGD) Average Monthly		0.022	0.021						0.011	0.013		
Flow (MGD) Daily Maximum		0.025	0.025						0.025	0.025		
pH (S.U.) Minimum		6.92	7.2						7.69	7.84		
pH (S.U.) Maximum		7.66	7.7						8.11	8.08		
DO (mg/L) Minimum		8.52	9.3						9.18	8.89		
TRC (mg/L) Average Monthly		0.05	0.05						0.05	0.05		
TRC (mg/L) Instantaneous Maximum		0.07	0.07						0.07	0.07		
CBOD5 (mg/L) Average Monthly		< 3.0	< 3.0						< 3.0	< 3.0		
TSS (mg/L) Average Monthly		< 4.0	< 5.0						< 4.0	< 4.0		
Total Dissolved Solids (mg/L) Average Quarterly	57.5						72			66		
Fecal Coliform (CFU/100 ml) Geometric Mean		< 2.0	< 4						< 2.0	< 2		
Fecal Coliform (CFU/100 ml) Instantaneous Maximum		< 2.0	< 4						< 2.0	< 2		
Nitrate-Nitrite (mg/L) Annual Average							< 1.05					
Total Nitrogen (mg/L) Annual Average							< 1.92					
Ammonia (mg/L) Average Monthly		< 1.0	< 1.0						< 1.0	< 1.0		
TKN (mg/L) Annual Average							< 0.87					
Total Phosphorus (mg/L) Annual Average							1.78					