

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

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0029149
 APS ID 755464
 Authorization ID 1371766

Applicant and Facility Information

Applicant Name	<u>Pocono Manor Investors, PT1 LP</u>	Facility Name	<u>The Inn at Pocono Manor</u>
Applicant Address	<u>P.O. Box 38</u> <u>Pocono Manor, PA 18349</u>	Facility Address	<u>Route 314</u> <u>Pocono Manor, PA 18349</u>
Applicant Contact	<u>James Cahill, P.L.S.</u>	Facility Contact	<u>James Cahill, P.L.S.</u>
Applicant Phone	<u>(570) 839-0603</u>	Facility Phone	<u>(570) 839-0603</u>
Client ID	<u>247465</u>	Site ID	<u>446442</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Pocono Township</u>
Connection Status	<u>-</u>	County	<u>Monroe</u>
Date Application Received	<u>October 4, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>October 4, 2021</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		

Summary of Review

The applicant is requesting renewal of an NPDES permit to discharge up to 0.140 MGD of treated sewage into Swiftwater Creek, an Exceptional Value, Migratory Fishes (EV, MF) receiving stream. Before the November 1, 2019 fire that destroyed much of the inn, average monthly flows were approximately 0.049 MGD (based on November 2018 – October 2019 eDMR data). Flows over the past year averaged approximately 0.014 MGD.

The Q₇₋₁₀ used to model the discharge is carried over from the previous renewal. There are no nearby or otherwise representative stream gages to utilize data from and USGS's StreamStats didn't return a reliable low flow value due to the small drainage area at Outfall 001. WQM 7.0 modeling and the TRC Spreadsheet did not recommend more stringent limitations. The CBOD₅, TSS, TRC, Fecal Coliform and pH limitations are technology-based. The NH₃-N and Dissolved Oxygen limitations are water quality-based. For modeling inputs, RMI values were obtained using the "PA Historic Streams" feature of eMapPA as well as the "measure" tool. Drainage areas were delineated using USGS's StreamStats Interactive Map and elevations were obtained using the elevation profile feature of StreamStats (see Watershed Information and StreamStats attachments).

DEP's Toxics Management Spreadsheet recommended the following:

Pollutant	Average Monthly (µg/L)	Daily Maximum (µg/L)	IMAX (µg/L)
Total Copper	57.2	89.2	143
Total Lead	Report	Report	Report
Total Zinc	Report	Report	Report

Total Zinc and Total Lead are to be sampled on an annual basis. The Total Copper limitations will come into effect 4 years after the permit effective date with a minimum sampling frequency of 1/week. Total Copper concentrations shall be monitored monthly until the limitations come into effect. Part C.III (Water Quality-Based Effluent Limitations for Toxic Pollutants) is added to the permit since the reported maximum Total Copper concentration is higher than the modeled average monthly limitation. The permittee is required to complete and

Approve	Deny	Signatures	Date
X		<i>Brian Burden</i> Brian Burden, E.I.T. / Project Manager	June 21, 2022
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	7-6-22

Summary of Review

submit a Toxics Reduction Evaluation and may also complete site-specific studies to modify modeling inputs. A compliance schedule is included in Part C.III.D for the new Total Copper limitations.

The 1,000 mg/L quarterly average Total Dissolved Solids limitation had been added to the previously issued permit as per Delaware River Basin Commission's (DRBC) Docket No. D-2006-026 CP-4 (dated February 22, 2017). Docket No. D-2006-026 CP-5 (dated June 9, 2021) requires a minimum monthly average of 85% CBOD₅ removal.

Monthly monitoring/reporting requirements for Total Phosphorus and Total Nitrogen (TKN + NO₂ + NO₃-N) are carried over from the previous permit. Quarterly monitoring/reporting for E. Coli is added to the permit as per DEP guidance.

There are no open violations for the client that would warrant withholding issuance of this permit. DMR review of the previous two years revealed the following concentration exceedances:

- August 2020: Ammonia-N – 5.3 mg/L (limit was 5.0 mg/L)
- March 2021: Dissolved Oxygen – 5.4 mg/L (minimum was 6.0 mg/L)

Sludge use and disposal description and location(s): The permit application indicates 0.418 dry tons of sludge was hauled to Greater Hazleton Joint Sanitary Authority's WWTP in the previous year.



StreamStats 1.pdf



StreamStats 2.pdf



Watershed Information.pdf



TMS PA0029149.pdf



TRC Calculation.pdf



WQM 1.pdf



WQM 2.pdf



WQM 3.pdf



WQM 4.pdf



WQM 5.pdf



WQM 6.pdf



DRBC Docket.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>0.14</u>
Latitude	<u>41° 5' 54"</u>	Longitude	<u>-75° 21' 9"</u>
Quad Name	<u>Mount Pocono</u>	Quad Code	<u>4.22.2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Swiftwater Creek (EV, MF)</u>	Stream Code	<u>4954</u>
NHD Com ID	<u>26158326</u>	RMI	<u>5.5</u>
Drainage Area	<u>3.2 mi²</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>1.163</u>	Q ₇₋₁₀ Basis	<u>Previous renewal</u>
Elevation (ft)	<u>1343</u>	Slope (ft/ft)	<u>0.026</u>
Watershed No.	<u>1-E</u>	Chapter 93 Class.	<u>EV, 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>-</u>	Name	<u>-</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake		<u>Brodhead Creek Regional Authority</u>	
PWS Waters	<u>Brodhead Creek</u>	Flow at Intake (cfs)	<u>13.6 (USGS StreamStats)</u>
PWS RMI	<u>7</u>	Distance from Outfall (mi)	<u>~15</u>

Changes Since Last Permit Issuance: WQG02452001 was issued on March 3, 2020 for the replacement of 1,015 linear feet of 4-inch terra cotta interceptor between Oak Lane and Summit Avenue with 8-inch PVC pipe.

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>0.14</u>
Latitude <u>41° 5' 54"</u>	Longitude <u>-75° 21' 9"</u>
Wastewater Description: <u>Sewage Effluent</u>	

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)
	40.0	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
CBOD ₅ Removal (%)	85.0	Minimum Monthly Average	-	92a.47(a)(3)
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	45.0	Average Weekly	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)
	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)
	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Water Quality-Based Limitations

The following limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Model
Total Copper	0.057	Average Monthly	2022 Toxics Management Spreadsheet
	0.089	Daily Maximum	
	0.143	IMAX	
Ammonia Nitrogen (11/1 – 4/30)	15.0	Average Monthly	Previous Modeling
	30.0	IMAX	
Ammonia Nitrogen (5/1 – 10/31)	5.0	Average Monthly	Previous Modeling
	10.0	IMAX	
Dissolved Oxygen	6.0	Minimum	Previous Modeling
Total Dissolved Solids	1,000	Average Quarterly	DRBC Docket No. D-2006-026 CP-4