

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0037290
APS ID 1011039
Authorization ID 1333073

Applicant and Facility Information

Applicant Name <u>Community Utilities of Pennsylvania</u>	Facility Name <u>Tamiment Resort WWTP</u>
Applicant Address <u>570 Hallet Road</u> <u>East Stroudsburg, PA 18301</u>	Facility Address <u>Lake Drive</u> <u>Tamiment, PA 18371</u>
Applicant Contact <u>Emily Long</u>	Facility Contact <u>Emily Long</u>
Applicant Phone <u>(570) 213-1446</u>	Facility Phone <u>(570) 213-1447</u>
Client ID <u>120797</u>	Site ID <u>636358</u>
Ch 94 Load Status <u>N/A (Non-Municipal)</u>	Municipality <u>Lehman Township</u>
Connection Status <u>N/A (Non-Municipal)</u>	County <u>Pike</u>
Date Application Received <u>October 30, 2020</u>	EPA Waived? <u>Yes</u>
Date Application Accepted <u>October 30, 2020</u>	If No, Reason <u>-</u>
Purpose of Application <u>Renewal and transfer of NPDES permit.</u>	


Summary of Review

The applicant is requesting the renewal of their NPDES permit to discharge up to 0.250 MGD of treated sewage into Tributary 5057 to Little Bush Kill, a High-Quality Cold Water Fishes and Migratory Fish receiving stream. As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than the designated use. This renewal is combined with a transfer of ownership from Pennsylvania Utility Company, Inc. to Community Utilities of Pennsylvania, Inc. WQM permit Nos. 5200401, 5204405 & 5204406 will also be transferred to the new permittee upon final NPDES permit issuance.

Spray irrigation as approved under WQM Permit No. 5200401 shall be utilized to the maximum extent feasible within the conditions of the WQM Permit (see part C.I.G). The permit requires a spray and storage capacity of treated effluent at a minimum monthly average rate of 250,000 gpd during the seasonal period of May 1 through September 30, a spray and storage capacity of 170,000 gpd during the period October 1 to October 31, and a peak monthly spray and storage capacity of 400,000 gpd during the seasonal period of May 1 through September 30.

Limits for Total Suspended Solids (TSS), pH, Fecal Coliform are technology-based. Limits for Ammonia-N, Nitrate+Nitrite-N, Dissolved Oxygen (DO), CBOD₅, and Total Phosphorus (TP) are water quality-based. In addition to the limitations above, monthly monitoring/reporting requirements for Total Nitrogen (TN) and Total Kjeldahl Nitrogen (TKN) are carried over and a quarterly monitoring/reporting requirement for E. Coli is added to the permit as per current DEP guidance. The requirement to report annual average concentrations and mass loadings for TN and TP are continued in this renewal.

Previously issued DRBC Docket No. D-1975-093 CP-4 included limitations for Total Dissolved Solids (TDS) and monitoring/reporting for Total Kjeldahl Nitrogen (TKN) which were included in the previously issued renewal. DRBC Docket No. D-1975-093 CP-6 (approved December 8, 2021) includes an 85% minimum monthly average removal requirement for CBOD₅ that's included in this renewal.

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Environmental Engineer	March 7, 2025
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Program Manager	3-10-25

Summary of Review

Water quality modeling of the discharge was not done during the previous permit renewal. Since effluent pump data indicates this facility still occasionally pumps up to 0.25 MGD to the receiving stream and recent changes were made to DEP's water quality models, the discharge was modeled for this renewal. There's no nearby representative stream gage with current data available to generate a Q₇₋₁₀, therefore, the statewide default low flow yield (LFY) of 0.1 cfs/mi² was used to develop the low flow conditions for modeling. Drainage areas were delineated using USGS StreamStats, RMIs were determined using the historical streams layer of eMapPA and "measure" tool, and elevations were found using the elevation profile tool of StreamStats.

More stringent limitations were not recommended by WQM 7.0. The TRC calculation spreadsheet recommended a monthly average limitation of 0.07 mg/L and IMAX of 0.25 mg/L. The existing permit includes a monthly average limitation of 0.6 mg/L (higher than the 0.5 mg/L technology-based limitation) and an IMAX of 1.5 mg/L for TRC. It appears the permittee will not be able to meet the more stringent water quality-based limitations under current operation, therefore, a compliance schedule is included in the permit with yearly milestones (see Part C.III). The more stringent limitations will come into effect three years after the permit effective date. The 0.5 mg/L monthly average technology-based limitation will come into effect upon permit issuance.

Several default modeling inputs were used to develop the new TRC limitations. The permittee may conduct site-specific studies to refine the WQBELs in a manner that is either more or less stringent than the final WQBELs specified in this permit (see Part C.III.D).

The Toxics Management Spreadsheet (TMS) was not utilized during this renewal since there were no metals / toxics sample results submitted with the renewal application to model. The public water supply-sensitive pollutants were not modeled with the TMS at the nearest downstream intake due to the large distance from Outfall 001 (~46 stream miles) and the large dilution available in the Delaware River.

All template Part C special conditions from the previous permit are included in this renewal. The following facility-specific Part C conditions from previous renewals are included in this renewal:

Part C.I.F. - The Permittee has entered into a September 2005 Stipulation and Agreement of Settlement ("the Settlement Agreement") with the Estate of Charles Peters et al, and the Department of Environmental Protection filed at EHB Docket No. 2005-023-K which imposes additional terms and conditions on the parties to that Settlement Agreement. The parties may amend the Settlement Agreement without amending this Permit.

Part C.I.G. - Prior to expansion of the treatment facility above the existing 0.25 MGD capacity, the spray irrigation system Phase I as constructed and operated under WQM Part II Permit No. 5200401 shall be utilized to the maximum extent feasible within the conditions of the Part II Permit. In addition, the permittee shall keep a daily spray irrigation report listing the total amount of effluent discharged from the treatment facility, the amount of effluent discharged to the stream, the amount of effluent discharged to the spray holding pond, the amount of effluent spray irrigated, the daily rainfall, the daily average temperature and total nitrogen content based on a 24-hour composite taken once per week. The daily log shall be submitted monthly with the Discharge Monitoring Report or eDMR.

There are two open violations for the facility that may need to be resolved before final permit issuance:

- Inspection ID 3046388, Violation ID 887024 (5/20/2020) – Violation of effluent limits in Part A of permit.
- Inspection ID 3046388, Violation ID 887025 (5/20/2020) – Failure to monitor pollutants as required by the NPDES permit.

Sludge use and disposal description and location(s): The permit renewal application indicates 25.228 dry tons of sewage sludge was hauled to the Greater Hazleton Joint Sewer Authority incinerator during the previous year.



WQM
Modeling.pdf



TRC Calculation.pdf



Watershed
Information.pdf

Summary of Review

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)	0.25
Latitude	41° 7' 52"	Longitude	-75° 1' 35"
Quad Name	Twelvemile Pond	Quad Code	0945
Wastewater Description: Sewage Effluent			
Receiving Waters	Tributary 5057 to Little Bush Kill	Stream Code	5057
NHD Com ID	26175756	RMI	1.77
Drainage Area	1.86 mi ²	Yield (cfs/mi ²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.186	Q ₇₋₁₀ Basis	Statewide default LFY
Elevation (ft)	1065	Slope (ft/ft)	0.056
Watershed No.	1-D	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)	-
PWS RMI	110.4	Distance from Outfall (mi)	~46

Treatment Facility Summary				
Treatment Facility Name: Tamiment Resort WWTP				
WQM Permit No.	Issuance Date	Purpose		
5204405	12/17/2004	Treatment Plant		
5200401	9/13/2000	Land Application		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Extended Aeration / Filtration	Chlorine	0.25
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.25	Non-Municipal	Not Overloaded	Settled	Hauled

Development of Effluent Limitations

Outfall No. 001
Latitude 41° 7' 52"
Wastewater Description: Sewage Effluent

Design Flow (MGD) 0.25
Longitude -75° 1' 35"

Technology-Based Limitations

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

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
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)
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)

Water Quality-Based Limitations

The following concentration limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Model
Dissolved Oxygen	7.0	Minimum	1989 Pollution Report
Total Residual Chlorine	0.07	Average Monthly	2025 TRC calculation spreadsheet
	0.25	IMAX	
CBOD ₅	10.0	Average Monthly	1989 Pollution Report
	20.0	IMAX	
CBOD ₅ % Removal	85	Min. Monthly Average	DRBC Docket No. D-1975-093 CP-6
Nitrate+Nitrite as N	10.0	Average Monthly	1989 Pollution Report
	20.0	IMAX	
Ammonia-N (5/1 – 10/31)	2.0	Average Monthly	1989 Pollution Report
	4.0	IMAX	
Ammonia-N (11/1 – 4/30)	6.0	Average Monthly	
	12.0	IMAX	
Total Phosphorus	1.0	Average Monthly	2004 Modeling
	2.0	IMAX	
Total Dissolved Solids	1,000	Average Quarterly	DRBC Docket No. D-1975-093 CP-4

Comments: The TRC limitations come into effect 3 years after the permit effective date.

Anti-Backsliding

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

