pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0062570**
Facility Type	**Municipal**	APS ID	**602065**
Major / Minor	**Minor**	Authorization ID	**1439468**

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**Covington Township Sewer Authority**	Facility Name	**Covington Township Sewer Authority WWTP**
Applicant Address	PO Box 266	Facility Address	1186 Drinker Turnpike
	Moscow, PA 18444-0266		Covington Twp, PA 18444
Applicant Contact	George Walz	Facility Contact	George Walz
Applicant Phone	(570) 842-0757	Facility Phone	(570) 842-0757
Client ID	44387	Site ID	239898
Ch 94 Load Status	Not Overloaded	Municipality	Covington Township
Connection Status	-	County	Lackawanna
Date Application Received	April 26, 2023	EPA Waived?	Yes
Date Application Accepted	April 26, 2023	If No, Reason	-

Purpose of Application: Renewal of existing NPDES permit.

Summary of Review

The applicant is requesting renewal of NPDES Permit No. PA0062570 to discharge up to 0.200 MGD of treated sewage into Roaring Brook, a High-Quality Cold Water and Migratory Fishes (HQ-CWF/MF) designated water in state water plan basin 5-A (Lackawanna River). 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.

Technology-based effluent limitations for $CBOD_5$ (wintertime), Total Suspended Solids, pH, Fecal Coliform, and Total Residual Chlorine (TRC) are carried over from the previous permit. Since the facility utilizes ultraviolet radiation for disinfection, TRC is to be monitored every day when chlorine is used for backup disinfection, cleaning, or other purposes (see Part C.I.E). Water quality-based limitations for $CBOD_5$ (summertime), Dissolved Oxygen, Ammonia-Nitrogen, and Total Phosphorus are carried over from the previous permit.

Modeling the discharge through WQM 7.0 and the TRC Calculation Spreadsheet did not recommend more stringent limitations. The Toxics Management Spreadsheet recommended monitoring/reporting for Total Copper and Total Zinc. Quarterly monitoring/reporting is included in this renewal for those metals.

Monthly monitoring for Total Nitrogen (Total Kjeldahl Nitrogen + Nitrite-Nitrate as N) is carried over from the previous permit. Quarterly monitoring/reporting for E. Coli is added to the permit as per current guidance. Requirements for monitoring the raw sewage influent for BOD_5 and Total Suspended Solids are carried over from the previous permit.

The standard template Part C special conditions for operation of the UV disinfection system and for solids management are added to the permit.

There are 7 open violations for the client that may need to be resolved before issuance of the final permit.

Approve	Deny	Signatures	Date
X		Brian Burden, E.I.T. / Project Manager	April 23, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Program Manager	4-30-24

Summary of Review

Sludge use and disposal description and location(s): The permit renewal application indicates 36.81 dry tons of sewage sludge was hauled to the Greater Hazleton Joint Sewer Authority WWTP in the previous year via Biros Septic & Drain Cleaning, Inc.

WQM Modeling.pdf TRC Calculation.pdf TMS PA0062570.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)	0.2
Latitude	41º 19' 44"	Longitude	-75º 30' 35"
Quad Name	Moscow	Quad Code	0841
Wastewater Description:	Sewage Effluent		

Receiving Waters	Roaring Brook (HQ-CWF, MF)	Stream Code	28452
NHD Com ID	65631075	RMI	15.3
Drainage Area	17.8 mi^2	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	1.78	Q_{7-10} Basis	Default LFY
Elevation (ft)	1,512	Slope (ft/ft)	0.0085
Watershed No.	5-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	Danville Municipal Water Authority		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	1123
PWS RMI	122.5	Distance from Outfall (mi)	~85

Other Comments: NERO's Surface Sources GIS map created by the Safe Drinking Water program shows several intakes for PA American Water's Lake Scranton WTP along Roaring Brook. Based on the NPDES permit application received for the Lake Scranton WTP, those intakes are currently inactive. The application states PA American Water treats water withdrawn from the Lake Scranton reservoir.

Treatment Facility Summary

Treatment Facility Name: Covington Township Sewer Authority

WQM Permit No.	Issuance Date
3591403	10/23/1991
3522401	5/16/2022

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Sequencing Batch Reactor	UV	0.2

Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.2	367	Not Overloaded	Aerobic Digester	Hauled Away

Changes Since Last Permit Issuance: Issuance of WQM permit 3522401 for installation of new inclined rotary drum screen at the WWTP headworks.

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.2
Latitude 41º 19' 44" **Longitude** -75º 30' 35"
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
$CBOD_5$ (11/1 – 4/30)	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)
	50.0	IMAX	-	-
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)
	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)
Total Residual Chlorine	1.6	IMAX	-	-

Water Quality-Based Limitations

The following limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Model
Dissolved Oxygen	6.0	Minimum	Previous modeling
$CBOD_5$ (5/1 – 10/31)	15.0	Average Monthly	Previous modeling
	25.0	Average Weekly	
	30.0	IMAX	
Ammonia-N (5/1 – 10/31)	2.5	Average Monthly	Previous modeling
	5.0	IMAX	
Ammonia-N (11/1 – 4/30)	7.5	Average Monthly	
	15.0	IMAX	
Total Phosphorus	1.0	Average Monthly	Previous modeling
	2.0	IMAX	

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Approve	Deny	Signatures	Date
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