

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

## NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0061433  
APS ID 886812  
Authorization ID 1421944

### Applicant and Facility Information

Applicant Name	<u>Aqua PA Wastewater Inc.</u>	Facility Name	<u>Bunker Hill Sewer Co.</u>
Applicant Address	<u>762 west Lancaster Ave</u> <u>Bryn Mawr PA19010</u>	Facility Address	<u>1 Aqua Way Avenue</u> <u>White Haven, PA 18661</u>
Applicant Contact	<u>Todd Duerr</u>	Facility Contact	<u>Robert Soltis</u>
Applicant Phone	<u>(570) 443-7099</u>	Facility Phone	<u>(570) 443-7099</u>
Client ID	<u>62614</u>	Site ID	<u>49103</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Clinton Township</u>
Connection Status		County	<u>Wyoming</u>
Date Application Received	<u>December 29, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 17, 2023</u>	If No, Reason	
Purpose of Application	<u>Renewal of NPDES Minor sewage permit.</u>		

### Summary of Review


The applicant is requesting renewal of their NPDES permit to discharge up to 0.0224 MGD of treated sewage to an unnamed tributary to South Branch Tunkhannock Creek, a cold water and migratory fish (CWF/MF) receiving stream as per Chapter 93 Appendix I and previous IRR/Water Pollution Control reports. South Branch Tunkhannock Creek is a trout-stocking/migratory fish (TSF/MF) receiving stream in state water plan basin 04-F (Tunkhannock 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.

Limits for pH, CBOD<sub>5</sub>, TSS and Fecal Coliform are technology-based and carried over from the previous permit. Flow assumptions from previously issued permits were used to model the discharge. The low flow yield (LFY) of 0.04516 cfs/mi<sup>2</sup> was developed using data from USGS's *Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania* (Open File Report 2011-1070) for gage 01534000 (Tunkhannock Creek near Tunkhannock, PA: Drainage Area = 383 mi<sup>2</sup>, Q<sub>7-10</sub> = 17.3 cfs → LFY = 0.04516 cfs/mi<sup>2</sup>).

Annual sampling and reporting for E-coli is added to this current permit according to standard operating procedure updates of February 5, 2024 (version 2.0)

RMI values were obtained using the "PA Historic Streams" feature of eMapPA as well as the "measure" tool. Elevations were obtained using the Elevation Profile feature of USGS StreamStats interactive map (see Watershed Info attachment). Drainage areas were estimated using the Watershed Delineation feature USGS StreamStats interactive map. Watershed information document attached contain the three Basin delineations performed with respective elevation profiles.

WQM model 7.0 returned a more stringent limit for Ammonia -Nitrogen NH<sub>3</sub>-N (4.46 mg/L monthly avg and 8.92 mg/L IMAX). See attached modeling results. Based on last year's eDMR report, permittee can achieve these limits immediately when the permit will be issued.

Approve	Deny	Signatures	Date
X		Hakim Yesli (signed) Hakim Yesli / Environmental Engineering Specialist	February 24, 2025
X		 Edward Dudick, P.E.   Environmental Engineer Manager	March 10, 2025

Summary of Review

Monitoring and reporting requirements for Total Phosphorus and Total Nitrogen are carried over from the previous permit to monitor nutrient loadings. Monitoring and reporting requirements for Total Kjeldahl Nitrogen and Nitrate+Nitrite-Nitrogen are used to calculate Total Nitrogen.

The monitoring frequencies for all parameters have been updated to conform with the monitoring frequencies recommended in the Department's Technical Guidance for the Development and Specification of Effluent Limitations (doc. no. 386-0400-001), updated June 28,2023.

WMS Query by Client return no violations pending for this Client



watershed  
Information.pdf



TRC\_CALC for AQUA  
PA sewage PA00643.



rptEffLimits.pdf



rptAnalyze.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)	.0224
Latitude	41° 33' 32.17"	Longitude	-75° 48' 59.59"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		

Receiving Waters	South Branch Tunkhannock Creek (TSF, MF)	Stream Code	UNT to South Branch Tunkhannock Creek
NHD Com ID	66405615	RMI	
Drainage Area	0.91 sq-mi	Yield (cfs/mi <sup>2</sup> )	0.04516
Q <sub>7-10</sub> Flow (cfs)	0.04245	Q <sub>7-10</sub> Basis	Gage 01534000
Elevation (ft)	817.42	Slope (ft/ft)	
Watershed No.	4-F	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	PATHOGENS		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status		Name	

Background/Ambient Data	Data Source
pH (SU)	
Temperature (°F)	
Hardness (mg/L)	
Other:	

Nearest Downstream Public Water Supply Intake	
PWS Waters	Flow at Intake (cfs)
PWS RMI	Distance from Outfall (mi)

Changes Since Last Permit Issuance:

Other Comments: