

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0247928
APS ID 562831
Authorization ID 1488056

Applicant, Facility and Project Information

Applicant Name	<u>Hopewell Township</u>	Facility Name	<u>Hopewell Township Bldg</u>
Applicant Address	<u>415 Three Square Hollow Road</u> <u>Newburg, PA 17240-9333</u>	Facility Address	<u>415 Three Square Hollow Road</u> <u>Newburg, PA 17240-9333</u>
Applicant Contact	<u>Jamie Kensinger</u>	Facility Contact	<u>Jamie Kensinger</u>
Applicant Phone	<u>(717) 423-6582</u>	Facility Phone	<u>(717) 423-6582</u>
Client ID	<u>117311</u>	Site ID	<u>661015</u>
SIC Code	<u>4952</u>	Municipality	<u>Hopewell Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Cumberland</u>
Date Application Received	<u>June 10, 2024</u>	WQM Required	<u>No.</u>
Date Application Accepted	<u>July 1, 2024</u>	WQM App. No.	<u></u>
Project Description	<u>.NPDES Renewal.</u>		

Summary of Review

Hopewell Township has applied to the Pennsylvania Department of Environmental Protection (DEP) for reissuance of its NPDES permit. The permit was last reissued on April 15, 2019 and became effective on May 1, 2019. The permit expired on April 30, 2024.

Based on the review, it is recommended that the permit be drafted.

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.

Approve	Deny	Signatures	Date
X		Jinsu Kim Jinsu Kim / Environmental Engineering Specialist	January 27, 2025
x		Maria D. Bebenek for Daniel W. Martin, P.E. / Environmental Engineer Manager	January 28, 2025
x		Maria D. Bebenek Maria D. Bebenek, P.E. / Program Manager	January 28, 2025

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 9' 20"	Longitude	-77° 33' 27"
Quad Name	Newburg	Quad Code	1725
Wastewater Description:		Sewage Effluent	
Receiving Waters	UNT to Peebles Run	Stream Code	10508
NHD Com ID	56408273	RMI	0.20
Drainage Area	0.15 sq.mi.	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	0.000889	Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	07B	Chapter 93 Class.	Warm Water Fishes
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	
Nearest Downstream Public Water Supply Intake	Carlisle Borough in North Middleton Township		
PWS Waters	Conodoguinet Creek	Flow at Intake (cfs)	48
PWS RMI	37.03	Distance from Outfall (mi)	31.5

Drainage Area

The discharge is to Unnamed Tributary to Peebles Run at RMI 0.20. A drainage area upstream of the point of discharge is estimated to be 0.15 sq. mi. according to USGS StreamStats available at <https://streamstats.usgs.gov/ss/>.

Streamflow

USGS StreamStats produced a Q₇₋₁₀ flow of 0.000889 cfs at the point of discharge.

Unnamed Tributary of Peebles Run

Under 25 Pa Code §93.9o, the entire basin of Peebles Run is designated as warm water fishes and supports migratory fishes. No special protection water is therefore impacted by this discharge. No Class A Wild Trout fishery is impacted by this discharge as well. DEP's 2016 integrated water quality report indicates that the discharge is located within a stream segment listed as attaining use(s). No TMDL has been taken into consideration during this permit renewal.

Public Water Supply Intake

The nearest downstream public water supply intake is Carlisle Borough located on the Conodoguinet Creek, approximately 31 miles from the discharge. Given the distance and nature, the discharge is not expected to impact the water supply.

Compliance History

Compliance History	
Summary of DMRs:	A limited number of DMRs have been reviewed due to the unavailability.
Summary of Inspections:	05/22/2024: DEP conducted a routine inspection and identified that samples were collected and analyzed but no monitoring reports have been submitted to DEP. DEP recognized that this is a permit violation at the time of inspection.
Other Comments:	DEP's record shows that there are open violations associated with this permittee or facility. A draft permit letter will indicate that the permit may not be finalized until all violations are resolved.

Treatment Facility Description

Hopewell Township owns and operates the small flow treatment facility serving the Township building. This facility consists of a 1,250-gallon duplex septic tank with a solids retainer, 500-gallon dosing tank, STB-650 Ecoflo peat filter, 415-gallon chlorine contact tank with tablet chlorinator, and an outfall structure. The Water Quality Management (WQM) permit no. 2105405 was issued on January 27, 2006 with an annual average flow and a design hydraulic capacity of 400 GPD.

Proposed Effluent Limitations

It is recommended that existing effluent limits be maintained in the upcoming permit renewal. These effluent limits are consistent with DEP's Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003).

It is recommended that the minimum measurement frequency for all pollutants, except for Total Residual Chlorine, be maintained as 1/quarter. A quarterly sampling would still be enough given that the facility is designed for 400 GPD and the discharge rate has been consistently very low, less than 100 GPD. DEP's technical guidance no. 362-0400-001 does not have a standard monitoring frequency for non-residential small flow treatment facilities serving less than 500 GPD. The office, according to the 2017 inspection report, is open 4 days per week and the monthly flow has been estimated to be 800 gallons per month, based on 50 gallons per day usage when the office is open. The TRC effluent level should be checked more frequent than other pollutants to ensure water quality protections of the receiving stream from high levels of chlorine.

Facilities that are designed based on a flow of less than 2,000 GPD or considered as SRSTPs are exempt from the Bay requirements. Accordingly, it is not necessary for the permittee to perform nutrient monitoring.

Existing Effluent Limitations and Monitoring Requirements

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/quarter	Estimate
TRC	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/quarter	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/quarter	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/quarter	Grab

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Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Quarterly	Average Weekly	Minimum	Average Quarterly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/quarter	Estimate
TRC	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/quarter	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/quarter	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/quarter	Grab