

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0281760
APS ID 1053083
Authorization ID 1471564

Applicant, Facility and Project Information

Applicant Name	<u>Patricia Ann Fuller</u>	Facility Name	<u>175 Hakes Hollow Road SRSTP</u>
Applicant Address	<u>175 Hakes Hollow Road</u> <u>Wrightsville, PA 17368-8907</u>	Facility Address	<u>175 Hakes Hollow Road</u> <u>Wrightsville, PA 17368-8907</u>
Applicant Contact	<u>Patricia Fuller</u>	Facility Contact	<u>Patricia Fuller</u>
Applicant Phone	<u>(717) 380-4510</u>	Facility Phone	<u>(717) 380-4510</u>
Client ID	<u>367158</u>	Site ID	<u>836420</u>
SIC Code	<u>8811</u>	Municipality	<u>Lower Windsor Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>York</u>
Date Application Received	<u>February 1, 2024</u>	WQM Required	<u></u>
Date Application Accepted	<u>February 21, 2024</u>	WQM App. No.	<u></u>
Project Description	<u>Renewal of existing discharge permit</u>		

Summary of Review

A NPDES permit renewal application was submitted for the existing single residence sewage treatment plant in Lower Windsor Township, York County.

DEP has prepared this report for the applications for both NPDES and WQM permits. Based on the review outlined in this report, it is recommended that the NPDES permit be drafted and published in the Pennsylvania Bulletin for public comments for 30 days.

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		Aaron Baar Aaron Baar / Project Manager	February 13, 2025
x		Daniel W. Martin Daniel W. Martin, P.E. / Environmental Engineer Manager	February 13, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>39° 56' 23.81"</u>	Longitude	<u>-76° 30' 33.51"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Fishing Creek (TSF, MF)</u>	Stream Code	<u>07896</u>
NHD Com ID	<u>57468207</u>	RMI	<u>3.6</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u></u>	Q ₇₋₁₀ Basis	<u></u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>7-I</u>	Chapter 93 Class.	<u>TSF, 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>Name</u>		
Nearest Downstream Public Water Supply Intake	<u>Red Lion Municipal Authority</u>		
PWS Waters	<u>Susquehanna River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>5.9</u>

Changes Since Last Permit Issuance: After the original permit was issued in 2019, the permit was transferred to Patricia Fuller in 2022.

Other Comments: The existing discharge is to Fishing Creek. The proposed receiving water is presently attaining designated uses; the discharge is not expected to cause a future impairment.

The nearest downstream public water supply intake is the Red Lion Municipal Authority intake located on the Susquehanna River, approximately 5.9 miles from the discharge point. Considering the dilution and distance from the intake, the discharge is not expected to affect the water supply.

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	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Compliance History	
Summary of DMRs:	Sampling receipt from June 2023 provided with application (no results). Self-reported effluent test results in application are within permit limits.
Summary of Inspections:	N/A

Treatment Facility Summary

The facility is a single residence sewage treatment plant (0.0004 MGD) serving a single residence. The treatment system, according to the application, is as follows:

1000 gal. dual compartment septic tank → effluent filter → EcoFlo EC7-500PG Coco Filter treatment unit → UV disinfection → Outfall to Fishing Creek.

The 2024 Integrated Report shows that Fishing Creek in the vicinity of the discharge is supporting aquatic life and is listed as a Category 2 water, which means that Fishing Creek is a water where some but not all uses are met. The assessment status of the remaining uses may be unknown because data are insufficient to assess the water, or it may be impaired.

Compliance History

As of February 13, 2025, there are no open violations associated with the applicant.

Development of Effluent Limitations and Monitoring Requirements

All proposed effluent limitations and monitoring requirements are recommended by the DEPs Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003). The facility will utilize ultraviolet disinfection; therefore, a monitoring requirement for total residual chlorine is not applicable. The permittee will be required to submit a completed Annual Maintenance Report (AMR) as a part of permit requirements. No Discharge Monitoring Report (DMR) is necessary for any facilities that are required to report effluent monitoring results on AMRs annually.

Per SOP No. BCW-PMT-003, for SRSTPs with UV systems, it is not necessary to require UV intensity or transmittance monitoring in the permit.

Chapter 93.4a(b) of the Department's rules and regulations require that "existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected." The discharge will be to non-special protection waters/watershed. No high-quality waters will be impacted by this discharge. No exceptional value waters will be impacted by this discharge. The receiving water is not subject to a TMDL. All effluent limitations and monitoring requirements have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

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

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

