

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0267066  
APS ID 1008013  
Authorization ID 1499599

### Applicant, Facility and Project Information

Applicant Name	<u>Douglas Deverter</u>	Facility Name	<u>310 Scotch Pine Road SRSTP</u>
Applicant Address	<u>265 Buchanan Valley Road</u> <u>Orrtana, PA 17353</u>	Facility Address	<u>310 Scotch Pine Road</u> <u>Dillsburg, PA 17019</u>
Applicant Contact	<u>Doug Deverter</u>	Facility Contact	<u>Doug Deverter</u>
Applicant Phone	<u>(717) 432-0799</u>	Facility Phone	<u>(717) 432-0799</u>
Client ID	<u>354180</u>	Site ID	<u>840621</u>
SIC Code	<u>1521</u>	Municipality	<u>Franklin Township</u>
SIC Description	<u>Construction - Single-Family Housing</u> <u>Construction</u>	County	<u>York</u>
Date Application Received	<u>September 14, 2024</u>	WQM Required	<u>N/A</u>
Date Application Accepted	<u>December 11, 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 Franklin Township, York County.

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	September 22, 2025
x		Maria D. Bebenek for Daniel W. Martin, P.E. / Environmental Engineer Manager	September 23, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 2' 49.70"	Longitude	-77° 4' 30.60"
Quad Name	Dillsburg	Quad Code	1829
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to North Branch Bermudian Creek (WWF, MF)		Stream Code
NHD Com ID	57467693	RMI	1.0400
Drainage Area		Yield (cfs/mi <sup>2</sup> )	
Q <sub>7-10</sub> Flow (cfs)		Q <sub>7-10</sub> Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	7-F	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	AGRICULTURE		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	PP&L Bruner Island (PWS ID 7670802)		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	~ 47 miles

Other Comments: The existing discharge is to an Unnamed Tributary to North Branch Bermudian Creek. According to the 2024 Integrated Report, the receiving water is presently impaired for aquatic life (cause – nutrients, source – agriculture) and recreation (cause – pathogens, source – unknown). The aquatic life and recreation impairments are listed as Category 5, which means that the receiving water is impaired for one or more uses by a pollutant that requires the development of a TMDL. No TMDL has been developed to date, so local watershed TMDL has been taken into consideration during this review.

The nearest downstream public water supply intake is the PP&L Bruner Island intake located on the Susquehanna River, approximately 47 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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	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:	AMRs from 2022, 2023, and 2024 have been provided with application. Self-reported effluent test results in application demonstrate TSS and fecal excursions above the permit limits. There are no open violations associated with the permittee as of September 22, 2025.
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 maintenance records, is as follows:

Dual compartment septic tank → Advantex Small Flow treatment unit → UV disinfection → Outfall

#### Compliance History

As of September 22, 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." 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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Outfall 001:

