

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

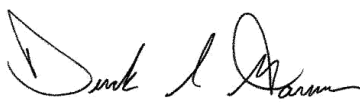

Application No. PA0209431
APS ID 1118567
Authorization ID 1493564

Applicant, Facility and Project Information

Applicant Name	<u>Thomas R. Shrout</u>	Facility Name	<u>Shrout SRSTP</u>
Applicant Address	<u>145 Kessel Run</u> <u>Spring Mills, PA 16875-8429</u>	Facility Address	<u>Orchard Park Road</u> <u>Port Matilda, PA 16870</u>
Applicant Contact	<u>Thomas Shrout</u>	Facility Contact	<u>Thomas Shrout</u>
Applicant Phone	<u>(814) 883-9997</u>	Facility Phone	<u>(814) 883-9997</u>
Client ID	<u>204842</u>	Site ID	<u>462769</u>
SIC Code	<u>4952</u>	Municipality	<u>Halfmoon Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Centre</u>
Date Application Received	<u>July 26, 2024</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>August 8, 2024</u>	WQM App. No.	<u>n/a</u>
Project Description	<u>Renewal of an existing NPDES permit for the discharge of treated sewage.</u>		

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		 Derek S. Garner / Project Manager	August 5, 2025
X		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	August 6, 2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (GPD)	400
Latitude	40° 45' 17.59"	Longitude	-78° 3' 30.39"
Quad Name	Port Matilda	Quad Code	1221
Wastewater Description:	Sewage Effluent		
Receiving Waters	UNT of Halfmoon Creek	Stream Code	15740
NHD Com ID	65603032	RMI	1.02
Drainage Area	n/a	Yield (cfs/mi ²)	n/a
Q ₇₋₁₀ Flow (cfs)	n/a	Q ₇₋₁₀ Basis	n/a
Elevation (ft)	1508	Slope (ft/ft)	n/a
Watershed No.	11-A	Chapter 93 Class.	HQ-CWF, MF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Impaired		
Cause(s) of Impairment	Siltation, Habitat Alterations, E. Coli		
Source(s) of Impairment	Agriculture, Rural (residential areas)		
TMDL Status	Approved, March 2018	Name	Halfmoon Creek Watershed Sediment TMDL
Nearest Downstream Public Water Supply Intake	Mifflintown Municipal Authority		
PWS Waters	Juniata River	Flow at Intake (cfs)	314
PWS RMI	37.2	Distance from Outfall (mi)	80

Facility Summary

WQM Permit No. 1797406 was originally issued for the proposed single residence sewage treatment plant on October 17, 1997. The facility was never constructed. DEP rescinded the WQM permit in 2019, citing that the permittee will be required to obtain a new WQM permit prior to construction of a facility that will meet current design standards.

Compliance History

The site was most recently inspected by DEP on October 26, 2022. The inspection report confirmed that the system is still not constructed. The inspection report also noted that Annual Reports have not been submitted since the last inspection in 2018.

There are no open violations associated with the permittee.

Development of Effluent Limitations and Monitoring Frequencies

Outfall No. 001
 Latitude 40° 45' 17.59"
 Design Flow (GPD) 400
 Longitude -78° 3' 30.39"
 Wastewater Description: Treated 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
BOD ₅	10	Average Monthly	125.3(a)(2)(i)	DEP SFTF Design Manual (Document 362-0300-002)
	20	IMAX		
Total Suspended Solids	10	Average Monthly	125.3(a)(2)(i)	DEP SFTF Design Manual (Document 362-0300-002)
	20	IMAX		
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform	200 / 100 ml	Geo Mean	-	92a.47(a)(4)

Water Quality-Based Limitations

DEP generally does not assign water quality-based effluent limitations to SRSTPs.

Impairment/TMDL Considerations

The impairments caused by siltation and habitat alterations are attributed to agriculture. The E. coli impairment's source is agriculture and residential areas. The fecal coliform limit of 200 CFU per 100 ml should ensure the discharge does not contribute to the impairment.

The Halfmoon Creek Watershed TMDL was approved March 2018 to address the sediment impairment caused by nonpoint source discharges from agriculture-related operations. A yearly loading of 121.8 lbs total suspended solids from this discharge was incorporated into the TMDL's waste load allocation, but no reductions were identified. Since there is no proposed expansion of the discharge the TMDL should not impact the permit.

Anti-Backsliding

The proposed limits and monitoring requirements are the same as the existing permit. No requirements are proposed to be made less stringent. Anti-backsliding should not impact the permit.

Existing Effluent Limitations and Monitoring Requirements

The existing effluent limitations and monitoring requirements are as follows:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum 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
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	XXX	1/month	Grab
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

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)		Concentrations (mg/L)				Minimum 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
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	XXX	1/month	Grab
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