

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

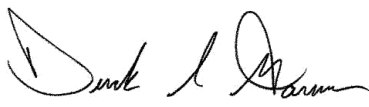

Application No. PA0113158
APS ID 1110694
Authorization ID 1501151

Applicant, Facility and Project Information

Applicant Name	<u>Daniel R. Hawbaker</u>	Facility Name	<u>Hawbaker SRSTP</u>
Applicant Address	<u>5881 W Buffalo Run Road</u> <u>Port Matilda, PA 16870-7609</u>	Facility Address	<u>5881 W Buffalo Run Road</u> <u>Port Matilda, PA 16870-7609</u>
Applicant Contact	<u>Daniel Hawbaker</u>	Facility Contact	<u>Daniel Hawbaker</u>
Applicant Phone	<u>(814) 359-5085</u>	Facility Phone	<u>(814) 359-5085</u>
Client ID	<u>8340</u>	Site ID	<u>465011</u>
SIC Code	<u>4952</u>	Municipality	<u>Patton Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Centre</u>
Date Application Received	<u>September 30, 2024</u>	WQM Required	<u>Issued, 9/8/1986</u>
Date Application Accepted	<u>October 1, 2024</u>	WQM App. No.	<u>1486410</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	September 19, 2025
X		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	September 29, 2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (GPD)	<u>400</u>
Latitude	<u>40° 48' 54.09"</u>	Longitude	<u>-77° 59' 2.11"</u>
Quad Name	<u>Julian</u>	Quad Code	<u>1222</u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Unnamed Tributary to Buffalo Run</u>	Stream Code	<u>22991</u>
NHD Com ID	<u>67180234</u>	RMI	<u>3.88</u>
Drainage Area	<u>n/a</u>	Yield (cfs/mi ²)	<u>n/a</u>
Q ₇₋₁₀ Flow (cfs)	<u>n/a</u>	Q ₇₋₁₀ Basis	<u>n/a</u>
Elevation (ft)	<u>1,430</u>	Slope (ft/ft)	<u>n/a</u>
Watershed No.	<u>9-C</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>n/a</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>n/a</u>	Exceptions to Criteria	<u>n/a</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>n/a</u>		
Source(s) of Impairment	<u>n/a</u>		
TMDL Status	<u>n/a</u>	Name	<u>n/a</u>

Nearest Downstream Public Water Supply Intake	<u>PA-American Water Company at Milton, PA</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Flow at Intake (cfs)	<u>1,740</u>
PWS RMI	<u>10.6</u>	Distance from Outfall (mi)	<u>53</u>

Treatment Facility Summary

The Hawbaker Single Residence Small Flow Treatment Facility ("SRSTP") is a 400 GPD treatment plant that serves one residence. The construction and operation of the SRSTP was approved under WQM Permit No. 1486410, issued on September 8, 1986. Treatment consists of:

- One (1) septic tank
- One (1) subsurface sand filter
- One (1) erosion tablet chlorinator
- One (1) chlorine contact tank

Treated effluent is ultimately discharged via Outfall 001 to an unnamed tributary of Buffalo Run.

Compliance History

DEP most recently attempted to inspect the facility on July 17, 2024. No one was home at the time of the inspection and the system could not be located. Prior to this, the facility was inspected on September 2, 2021. No violations were noted.

Annual Maintenance Reports are being submitted in a timely manner.

There are no open violations associated with the permittee.

Development of Effluent Limitations and Monitoring Frequencies

Outfall No.	001	Design Flow (GPD)	400
Latitude	40° 48' 54.09"	Longitude	-77° 59' 2.11"
Wastewater Description: Sewage			

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.	IMIN – IMAX	133.102(c)	95.2(1)
Total Residual Chlorine ⁽¹⁾	0.5	Average Monthly	-	92a.47(a)(8)
Fecal Coliform	200 / 100 ml	Geo Mean	-	92a.47(a)(4)

⁽¹⁾ Discharges to special protection (high quality or exceptional value) watersheds are generally required to dechlorinate the effluent per § 92a.48(b)(3). However, for SRSTPs that predate the special protection designation, DEP typically considers the discharge to be part of the existing quality of the waterbody. Given that this facility was constructed prior to the high-quality designation, the “grandfathered” discharge of chlorine will be allowed. A “Report” requirement will continue to be used to monitor total residual chlorine concentrations in the effluent.

Water Quality-Based Limitations

DEP generally does not conduct a water quality-based effluent limitation analysis for SRSTPs.

Best Professional Judgement (BPJ) Limitations

DEP does not propose any limits or monitoring requirements based on BPJ.

Anti-Backsliding

The previous permit erroneously established a TSS limit of 10 mg/l daily maximum instead of the intended 10 mg/l annual average. In accordance with 40 CFR 122.44(l)(2)(i)(B)(2), corrections to typographical errors are not subject to anti-backsliding. No other effluent limitations, standards, or conditions are less stringent than the previous permit.

Existing Effluent Limitations and Monitoring Requirements

The existing effluent limitations and monitoring requirements are as follows:

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	Daily Maximum	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/year	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
BOD5	XXX	XXX	XXX	10.0 Annl Avg	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200.0 Annl Avg	XXX	1000	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 Daily Min	XXX	9.0 Daily Max	XXX	1/year	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	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