

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP


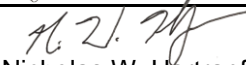
Application No. PA0232998
APS ID 1090200
Authorization ID 1442868

Applicant, Facility and Project Information

Applicant Name <u>Eldred Township</u>	Facility Name <u>Eldred Township Municipal Township Bldg SFTF</u>
Applicant Address <u>5558 Warrensville Road</u> <u>Montoursville, PA 17754-9022</u>	Facility Address <u>4985 Warrensville Road</u> <u>Montoursville, PA 17754</u>
Applicant Contact <u>Amy See</u>	Facility Contact <u>Amy See</u>
Applicant Phone <u>(570) 435-2606</u>	Facility Phone <u>(570) 435-2606</u>
Client ID <u>114150</u>	Site ID <u>828962</u>
SIC Code <u>4952</u>	Municipality <u>Eldred Township</u>
SIC Description <u>Trans. & Utilities - Sewerage Systems</u>	County <u>Lycoming</u>
Date Application Received <u>May 26, 2023</u>	WQM Required <u> </u>
Date Application Accepted <u>June 14, 2023</u>	WQM App. No. <u> </u>
Project Description <u>Application for the renewal of an individual SFTF NPDES permit.</u>	

Summary of Review

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		 Jonathan P. Peterman / Project Manager	January 13, 2025
X		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	January 14, 2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 18' 47.62"	Longitude	-76° 56' 42.24"
Quad Name	Montoursville North	Quad Code	0830
Wastewater Description:	Sewage Effluent		
Receiving Waters	Mill Creek (TSF, MF)	Stream Code	19836
NHD Com ID	66913007	RMI	4.7
Drainage Area	16.9	Yield (cfs/mi ²)	N/A
Q ₇₋₁₀ Flow (cfs)	0.87	Q ₇₋₁₀ Basis	N/A
Elevation (ft)	660	Slope (ft/ft)	N/A
Watershed No.	10-B	Chapter 93 Class.	TSF, MF
Existing Use	TSF	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	None
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	N/A		
Source(s) of Impairment	N/A		
TMDL Status	N/A	Name	N/A
Nearest Downstream Public Water Supply Intake	PA American Water White Deer		
PWS Waters	West Branch of Susquehanna River	Flow at Intake (cfs)	682
PWS RMI	10.5	Distance from Outfall (mi)	30

Changes Since Last Permit Issuance: None.

Other Comments: None.

Treatment Facility Summary

Treatment Facility Name: Eldred Township Municipal Township Bldg SFTF

WQM Permit No.	Issuance Date	Notes:		
4107402	9/5/2008	Initial construction.		
Waste Type	Degree of Treatment	Process Type	Disinfection	Design Flow (MGD)
Sewage	Secondary	Septic Tank Sand Filter	Hypochlorite	0.0004
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0004	-	Not Overloaded	-	Other WWTP

Treatment System Components for Outfall 001:

The individual components are as follows:

- One (1) 900-Gallon septic tank.
- Two (2) 400-Gallon twin intermittent free access sand filters.
- One (1) Erosion tablet chlorinator.
- One (1) 500 Gallon chlorine contact tank.
- One (1) Outfall.

Changes Since Last Permit Issuance: None.

TMDL Impairment

The Department's Geographic Information System (GIS) shows that Mill Creek is attaining it's use and a TMDL does not exist for the stream segment. No further review is required.

Chesapeake Bay Requirements

Facilities that are designed based on a flow of less than 2,000 GPD (400 GPD design flow for this facility) are not a part of Pennsylvania's Chesapeake Bay Tributary Strategy. Accordingly, it is not practicable to require the permittee to perform nutrient monitoring.

Existing Effluent Limitations and Monitoring Requirements for Permit No. PA0229199

Existing Limits – Outfall 001

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
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	Report Avg Mo	XXX	XXX	XXX	1/month	Grab
BOD5	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

*The existing effluent limits for Outfall 001 were based on a design flow of 0.0004 MGD.

Development of Effluent Limitations

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 18' 47.62"	Longitude	-76° 56' 42.24"
Wastewater Description:	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
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform (5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Pollutant	Limit (mg/l)	SBC	Guidance
CBOD ₅	10	Average Monthly	Small Flow Treatment Facilities Manual (362-0300-002)
	20	IMAX	
Total Suspended Solids	10	Average Monthly	
	20	IMAX	

Comments: None.

Water Quality-Based Limitations

Water quality modeling is not conducted for discharges of this size and therefore the abovementioned Technology-Based Limitations will be applied.

Comments: None.

Best Professional Judgment (BPJ) Limitations

None.

Comments: None.

Anti-Backsliding

In accordance with 40 CFR 122.44(l)(1) and (2), this permit does not contain effluent limitations, standards, or conditions that are less stringent than the previous permit.

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 the abovementioned 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) and/or BPJ.

Proposed Limits - 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
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	Report Avg Mo	XXX	XXX	XXX	1/month	Grab
BOD5	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

*The proposed effluent limits for Outfall 001 were based on a design flow of 0.0004 MGD.

Effluent Limit Determination for Outfall 001

Flow

Reporting of only the average monthly flow is consistent with monitoring requirements for other systems discharging 0.0004 mgd and is appropriate for this discharge.

5-Day Biochemical Oxygen Demand (BOD₅) and Total Suspended Solids (TSS)

BOD₅ (10 mg/L) and TSS (10mg/L) are technology-based limits stipulated in the Technical Guidance for the Development and Specification of Effluent Limitations (362-0400-001).

pH

The technology-based effluent limitations for pH were based on CFR Title 40 §133.102(c) and 25 PA Code §95.2(1).

TRC

Reporting of only the average monthly concentration is consistent with monitoring requirements for other systems discharging 0.0004 mgd and is appropriate for this discharge.

Fecal Coliforms

The fecal coliform limits correspond with 25 PA Code § 92a.47 (a)(4).

Monitoring Frequencies and Sample Types

The proposed monitoring frequencies and sample types for all parameters are consistent with monitoring requirements for other systems discharging 0.0004 mgd and are appropriate for this discharge.

Compliance History

Summary of Inspections -The last SFTF compliance inspection was conducted on 10/7/24 by the Department which noted that the facility was not in use and no AMRs have been submitted.

WMS Query Summary - A WMS Query was run at *Reports - Violations & Enforcements – Open Violations for Client Report* to determine whether there are any unresolved violations associated with the client that will affect issuance of the permit (per CSL Section 609). This query revealed that there were no unresolved violations.

DMRs Summary – No AMRs have been submitted and the facility is not currently in use.