

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No. PA0113123  
APS ID 1053366  
Authorization ID 1379220

**Applicant, Facility and Project Information**

Applicant Name	<u>Nancy K. Witkowski</u>	Facility Name	<u>Witkowski SFTF</u>
Applicant Address	<u>P.O. Box 322</u> <u>Laporte, PA 18626-0322</u>	Facility Address	<u>175 Woodland Trail (Route 154)</u> <u>Laporte, PA 18626</u>
Applicant Contact	<u>Nancy Witkowski</u>	Facility Contact	<u>Nancy Witkowski</u>
Applicant Phone	<u>570-946-4025</u>	Facility Phone	<u>570-946-4025</u>
Client ID	<u>344314</u>	Site ID	<u>3075</u>
SIC Code	<u>4952</u>	Municipality	<u>Laporte Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Sullivan</u>
Date Application Received	<u>December 15, 2021</u>	WQM Required	<u>Yes, previously transferred</u>
Date Application Accepted	<u>December 28, 2021</u>	WQM App. No.	<u>5786401 T-2</u>
Project Description	<u>Renewal of NPDES Permit</u>		

**Summary of Review**

INTRODUCTION

Nancy Witkowski, property owner, submitted an application to renew the NPDES permit authorizing the discharge from a single residence sewage treatment plant (SRSTP) in Laporte Township, Sullivan County.

APPLICATION

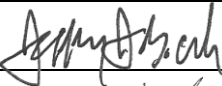

Ms. Witkowski submitted the *NPDES Application for Individual Permit to Discharge Sewage Effluent from Small Flow Treatment Facilities* (DEP #3800-PM-BCW0018b). This application was received by the Department on December 15, 2021 and considered administratively complete on December 28, 2021. Ms. Witkowski is both the client and site contact. Her additional contact information is (cell phone) 570-854-2420 and (email) [nancywitkowski15@gmail.com](mailto:nancywitkowski15@gmail.com).

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.

The casefile, permit application package and draft permit will be available for public review at the Department's Northcentral Regional Office. The address for this office is 208 West Third Street, Williamsport, PA 17701. An appointment can be made to review these materials during the comment period by calling the file coordinator at 570-327-3636.

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Approve	Deny	Signatures		Date
X		Jeffrey J. Gocek, EIT	 Project Manager	01/06/2023
X		Nicholas W. Hartranft, PE	 Environmental Engineer Manager	01/06/2023

**DISCHARGE, RECEIVING WATERS AND WATER SUPPLY INFORMATION**

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 25' 52.87"	Longitude	-76° 29' 39.22"
Quad Name	Laporte, PA	Quad Code	41076
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Mill Creek	Stream Code	20347
NHD Com ID	66908957	RMI	0.09
Drainage Area	See Narrative	Yield (cfs/mi <sup>2</sup> )	N/A
Q <sub>7-10</sub> Flow (cfs)	See Narrative	Q <sub>7-10</sub> Basis	See Narrative
Elevation (ft)	1700	Slope (ft/ft)	N/A
Watershed No.	10-B	Chapter 93 Class.	Cold Water Fishes (CWF)
Existing Use	Exceptional Value (EV)	Existing Use Qualifier	RBP - Antidegradation
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

Q<sub>7,10</sub> DETERMINATION

A Q<sub>7,10</sub> flow has not been calculated since water quality monitoring is not performed for residential small flow treatment facilities. See below.

FACILITY DESCRIPTION

The small flow treatment facility (SFTF) consists of a 1,000-gallon septic tank, a 600-square foot subsurface sand filter, a Jet Aeration model 200A erosion chlorinator and a 300-gallon chlorine contact tank prior to the discharge to an Unnamed Tributary to Mill Creek. This system has a design flow of 0.0004 MGD (400 gallons per day). The system serves a two-person seasonal residence, used from April through November.

See Attachment 01 for a map of the SFTF location.

This design was approved by Water Quality Management (WQM) #5786401, issued in July 1986.

COMPLIANCE HISTORY

The WMS Query *Open Violations by Client* revealed no unresolved violations for Nancy Witkowski.

The most recent Department inspection, an Administrative inspection, was conducted June 14, 2022. It was documented that Annual Maintenance Reports (AMRs) were being submitted in a timely fashion. The report documented that the septic tank was pumped June 21, 2020. No violations were noted in the report.

Recent AMR data is presented in the table below.

Parameter	Jun-21	Jul-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
TRC (mg/L)	0.4	0.5	0.4	0.3	0.4	N/A	N/A	N/A	N/A	0.5	0.3
Flow (GPD)											
CBOD5 (mg/L)					ND						
TSS (mg/L)					ND						
Fecal Coliforms (#/100 mL)					< 0.1						

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EXISTING LIMITATIONS

The following limitations were established at the permit transfer on August 31, 2018.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass (lb/day)		Concentration (mg/L, unless noted)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Maximum Daily	Minimum	Average Monthly	Maximum Daily	Instant. Maximum		
Flow	Report	XXX	XXX	XXX	XXX	XXX	1/Year	Estimate
Total Residual Chlorine	XXX	XXX	XXX	XXX	XXX	Report	1/Month	Grab
CBOD <sub>5</sub>	XXX	XXX	XXX	10	XXX	20	1/Year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/Year	Grab
Fecal Coliform (#/100mL) 10/01 – 04/30	XXX	XXX	XXX	2000*	XXX	10000	1/Year	Grab
Fecal Coliform (#/100mL) 10/01 – 04/30	XXX	XXX	XXX	200*	XXX	1000	1/Year	Grab

\*Geometric Mean

DEVELOPMENT OF EFFLUENT LIMITATIONSTechnology-Based Limitations

The following technology-based limitations and monitoring requirements apply to single residence sewage treatment plants (SRSTPs), subject to water quality analysis and BPJ where applicable. This is in accordance with the Department's *Standard Operating Procedure for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications* (DEP #BCW-PMT-003).

Parameter	Average	IMAX	Sample Type	Frequency
Flow (GPD)	Report	XXX	Estimate	1/Year
Biochemical Oxygen Demand-5 day (BOD <sub>5</sub> ) (mg/L)	10	20	Grab	1/Year
Total Suspended Solids (TSS) (mg/L)	10	20	Grab	1/Year
Total Residual Chlorine (TRC) (mg/L)	Report	Report	Grab	1/Month
Fecal Coliforms (#/100mL)	200 (Annual Average)		Grab	1/Year

Water Quality-Based Limitations

In accordance with Department policy, water quality modeling using the Toxics Management Spreadsheet, the Water Quality Management 7.0 and TRC Spreadsheet models is not performed for SRSTPs.

None are proposed.

Best Professional Judgment (BPJ) Limitations

In the absence of applicable effluent guidelines for the discharge or pollutant, permit writers must identify and/or develop needed technology-based effluent limitations (TBELs) TBELs on a case-by-case basis, in accordance with the statutory factors specified in the Clean Water Act.

None are proposed.

RECEIVING STREAMCharacteristics

The receiving stream is an Unnamed Tributary (UNT) to Mill Creek. According to 25 PA § 93.9L, this stream is protected for Cold Water Fishes (CWF) and Migratory Fishes (MF). These are the stream's Designated Use, which is defined in 25 PA § 93.1 as "those uses specified in §§ 93.9a – 93.9z for each waterbody or segment whether or not the use is being attained". Designated uses are regulations promulgated by the Environmental Quality Board (EQB) through the rulemaking process. This stream currently has an Existing Use of Exceptional Value (EV). Existing Uses are defined in 25 PA § 93.1 as "those uses actually attained in the waterbody on or after November 28, 1975 whether or not they are included in the water quality standards".

This UNT to Mill Creek is identified by Department stream code 20347. The stream is in (Chapter 93) drainage list L and State Water Plan watershed 10B (Loyalsock Creek).

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Existing Use

DEP has evaluated information indicating that the existing use of the receiving waters is different than the designated use under 25 Pa. Code § 93.9. In developing the draft NPDES permit, DEP is proposing to protect the existing use of the receiving waters. Following DEP's notice of the receipt of the application and the draft permit in the Pennsylvania Bulletin, DEP will accept written comments during the public comment period regarding DEP's tentative determination to protect the existing use. DEP will make a final determination on existing use protection for the receiving waters as part of the final permit action.

Impairment

According to the Department's data from the 2014 Integrated Water Quality Report, approved by EPA in December 2014, this UNT to Mill Creek is attaining its designated uses with respect to Aquatic Life and Recreation.

CHESAPEAKE BAY TMDL

Nutrient monitoring requirements associated with the Chesapeake Bay Total Maximum Daily Load (TMDL) do not apply since the hydraulic design flow of this SFTF is less than 2,000 gallons per day.

SPECIAL PERMIT CONDITIONS

- Annual Maintenance Form
- Discharge Monitoring Report Form
- Tank Monitoring
- Pumping Requirement
- Stormwater Prohibition
- Approval Contingencies
- Proper Waste Disposal
- Municipal Treatment Availability

ANNUAL MAINTENANCE REPORTS

For this permit, the operative compliance mechanism will be the Annual Maintenance Report (AMR), which is to be submitted annually by June 30<sup>th</sup>. No Discharge Monitoring Reports (DMRs) will be utilized. The AMR will also be used to document maintenance activities which occur in the period between June 01 and May 31 of each year.

As mentioned above, the results for the required 1/Year estimate of Flow and the 1/Year sampling of BOD5, Total Suspended Solids and Fecal Coliforms are to be reported on and/or with the AMR.

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) and/or BPJ.

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

Discharge Parameter	Mass Limits (lb/day)		Concentration Limits (mg/L)				Monitoring Requirements	
	Monthly Average	Daily Maximum	Minimum	Monthly Average	Daily Maximum	IMAX	Minimum Measurement Frequency	Required Sample Type
Flow (GPD)	Report Annual Average	XXX	XXX	XXX	XXX	XXX	1/Year	Estimate
BOD <sub>5</sub>	XXX	XXX	XXX	10 Annual Average	XXX	20	1/Year	Grab
TSS	XXX	XXX	XXX	10 Annual Average	XXX	20	1/Year	Grab
TRC	XXX	XXX	XXX	Report	XXX	Report	1/Month	Grab
Fecal Coliform (#/100mL)	XXX	XXX	XXX	200 Annual Average	XXX	XXX	1/Year	Grab

END of Fact Sheet.

ATTACHMENT 01

fyTopo Map Print

[http://map-pass.mytopo.com/maps/print\\_mytopo.asp?print=20&scale=5&layer=DRG&layer=...](http://map-pass.mytopo.com/maps/print_mytopo.asp?print=20&scale=5&layer=DRG&layer=...)

