

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272451
APS ID 998088
Authorization ID 1281569

Applicant, Facility and Project Information

Applicant Name	<u>Jonathan Crumbacher</u>	Facility Name	<u>Jonathan Crumbacher SRSTP</u>
Applicant Address	<u>816 Hamburg Road</u> <u>Fredonia, PA 16124-1818</u>	Facility Address	<u>816 Hamburg Road</u> <u>Fredonia, PA 16124</u>
Applicant Contact	<u>Jonathan Crumbacher</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 699-9342</u>	Facility Phone	<u></u>
Client ID	<u>351368</u>	Site ID	<u>836993</u>
Municipality	<u>Delaware Township</u>	County	<u>Mercer</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Application Received	<u>July 11, 2019</u>	WQM Required	<u>Pending coco filter</u>
Application Accepted	<u>August 5, 2019</u>	WQM App. No.	<u>4319409</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		



Summary of Review

No reported violations.

UV radiation disinfection with the small flow advanced treatment effluent requirements.

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
		William H. Mentzer, P.E. Environmental Engineering Specialist	August 5, 2019
		Justin C. Dickey, P.E. Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0005
Latitude NHD	41° 19' 50.68"	Longitude NHD	-80° 20' 0.32"
Latitude DP	41° 19' 50.83"	Longitude DP	-80° 19' 42.78"
Quad Name	Fredonia	Quad Code	0803
Wastewater:	Treated single residence domestic wastes		
Receiving Waters	Unnamed tributary to Lawango Run	Stream Code	unknown
NHD Com ID	130025810	RMI	0.27
Drainage Area	0.1	Yield (cfs/mi ²)	0
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Dry stream
Elevation (ft)	1104.20	Slope (ft/ft)	0.0885
Watershed No.	20A	Chapter 93 Class.	Warm Water Fish
Existing Use	statewide	Existing Use Qualifier	none
Exceptions to Use	none	Exceptions to Criteria	none
Comments	The secondary waters are Lawango Run 36089 RMI 0.92 (node RMI 0.81).		
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake	Aqua PA		
PWS Waters	Shenango River	Flow at Intake (cfs)	NA
PWS RMI	29.45	Distance from Outfall (mi)	19.69

Changes Since Last Permit Issuance: NA

Other Comments: No water supply impairment expected.

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) ⁽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	XXX	XXX	Inst. Min 6.0	XXX	XXX	9.0	Upon Request	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 after disinfection