

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0265527
APS ID 1069107
Authorization ID 1406025

Applicant, Facility and Project Information



Applicant Name	<u>William Crispen</u>	Facility Name	<u>William Crispen SRSTP</u>
Applicant Address	<u>233 Hall Road</u> <u>Slippery Rock, PA 16057-5507</u>	Facility Address	<u>233 Hall Road</u> <u>Slippery Rock, PA 16057</u>
Applicant Contact	<u>William Crispen</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 637-2313</u>	Facility Phone	<u></u>
Applicant E Mail	<u>mecrispen@hotmail.com</u>	Facility E Mail	<u></u>
Client ID	<u>339452</u>	Site ID	<u>824997</u>
Municipality	<u>Clay Township</u>	County	<u>Butler</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>
Date Application Received	<u>July 27, 2022</u>	WQM Required	<u>The existing permit is adequate</u>
Date Application Accepted	<u>August 15, 2022</u>	WQM App. No.	<u></u>
Project Description	<u>NPDES permit renewal</u>		

Summary of Review

No violations listed. Sludge removed March 22, 2021. Originally NORWECO facility permitted. Later the WQM permit was amended to use an Ecoflo COCO filter (COCO filter use reported).

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
		<i>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	August 15, 2022
		<i>Vacant</i> Environmental Engineer Manager	Okay to Draft 8/22/2022

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude DP	<u>40° 59' 46.86"</u>	Longitude DP	<u>-79° 58' 23.48"</u>
Latitude NHD	<u>40° 59' 46.86"</u>	Longitude NHD	<u>-79° 58' 23.48"</u>
Quad Name	<u>Mount Chestnut</u>	Quad Code	<u>1106</u>
Wastewater Description: <u>Treated single residence domestic wastes</u>			
Receiving Waters	<u>Unnamed Tributary to Big Run</u>	Stream Code	<u>unknown</u>
NHD Com ID	<u>126221104</u>	RMI	<u>0.12</u>
Drainage Area	<u>0.1</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry stream</u>
Elevation (ft)	<u>1002.8</u>	Slope (ft/ft)	<u>0.0631</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>statewide</u>	Existing Use Qualifier	<u>none</u>
Exceptions to Use	<u>none</u>	Exceptions to Criteria	<u>none</u>
Comments	<u>Tributary 34434 confluence RMI 0.35. Perennial stream flow at Big Run confluence RMIT 3.84</u>		
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>METALS, SILTATION</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE, ACID MINE DRAINAGE</u>		
TMDL Status	Name _____		
Background/Ambient Data	Data Source		
pH (SU)	<u>7.5</u>	<u>default</u>	
Temperature (°C)	<u>25</u>	<u>default</u>	
Hardness (mg/L)	<u>100</u>	<u>default</u>	
BOD 5 day (mg/L):	<u>2.0</u>	<u>default</u>	
Ammonia (mg/L)	<u>0.1</u>	<u>default</u>	
Nearest Downstream Public Water Supply Intake	<u>Beaver Falls</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>553 (358-MGD)</u>
PWS RMI	<u>5.4</u>	Distance from Outfall (mi)	<u>30</u>

Changes Since Last Permit Issuance: NA

Other Comments:

No water use impacts expected due to the small flow advanced treatment requirements.

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 (GPD)	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	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: after disinfection

Other Comments: See AMR for UV radiation disinfection requirements