

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0289892
APS ID 1046395
Authorization ID 1366724

Applicant, Facility and Project Information

Applicant Name	<u>Robert Prementine</u>	Facility Name	<u>Robert Prementine SRSTP</u>
Applicant Address	<u>210 Highfield Road</u> <u>Butler, PA 16001-3119</u>	Facility Address	<u>654 West Liberty Road</u> <u>Slippery Rock, PA 16057</u>
Applicant Contact	<u>Robert Prementine</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 355-0806</u> <u>prementine@zoominternet.net</u>	Facility Phone	<u></u>
Client ID	<u>365119</u>	Site ID	<u>850322</u>
Municipality	<u>West Liberty Borough</u>	County	<u>Butler</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952,8800</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Application Received	<u>August 24, 2021</u>	WQM Required	<u>Yes – pending coco filter</u>
Application Accepted	<u>September 8, 2021</u>	WQM App. No.	<u>1021413</u>
Project Description	<u>A new NPDES permit for a new small flow sewage treatment facility that replaces a malfunctioning on-lot facility.</u>		

Summary of Review

Design is for 400-gpd and 1.1-PPD BOD5 based on a 3-bedroom residence.

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		<i>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	September 13, 2021
X		Justin C. Dickey Justin C. Dickey, P.E. Environmental Engineer Manager	September 20, 2021

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 0' 20.08"	Longitude	-80° 3' 5.99"
Latitude	41° 0' 10.10"	Longitude	-80° 3' 4.82"
Quad Name	Slippery Rock	Quad Code	1005
Wastewater Description:	Treated single residence domestic wastes		
Receiving Waters	Hogue Run	Stream Code	34410
NHD Com ID	126221945	RMI	0.21
Drainage Area	1.0 acre	Yield (cfs/mi ²)	0
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Dry stream
Elevation (ft)	1292.00	Slope (ft/ft)	
Watershed No.	20-C	Chapter 93 Class.	CWF
Existing Use	statewide	Existing Use Qualifier	none
Exceptions to Use	none	Exceptions to Criteria	none
Comments	Confluence Hogue Run Node RMI 0.88 (above tributary 34411) Drainage 1.22 sq Miles. Stream RMI 2.93642, Slope 0.002428 Elevation 1182.56 feet Stream flow 0.459 cfs/0.292 MGD		
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		PA American	
PWS Waters	Connoquenessing Creek	Flow at Intake (cfs)	NA
PWS RMI	0.01	Distance from Outfall (mi)	31.96

Changes Since Last Permit Issuance: NA

Other Comments: No water supply impairment is 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 (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	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	1000	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection

Other Comments: The Annual Maintenance Report (AMR) has the UV radiation disinfection monitoring and reporting requirements.