

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288128
APS ID 1118095
Authorization ID 1492780

Applicant, Facility and Project Information

Applicant Name <u>Thomas H Perry</u>	Facility Name <u>Thomas Perry SRSTP</u>
Applicant Address <u>307 Harmony Road</u> <u>Slippery Rock, PA 16057-2413</u>	Facility Address <u>307 Harmony Road</u> <u>Slippery Rock, PA 16057</u>
Applicant Contact <u>Thomas Perry</u>	Facility Contact _____
Applicant Phone <u>(724) 421-4886</u>	Facility Phone _____
Client ID <u>355196</u>	Site ID <u>840266</u>
SIC Code <u>8800</u>	Municipality <u>Slippery Rock Township</u>
SIC Description <u>Private Households</u>	County <u>Butler</u>
Date Application Received <u>July 17, 2024</u>	WQM Required _____
Date Application Accepted _____	WQM App. No. _____
Project Description <u>NPDES Permit Renewal for a Single Residence Sewage Treatment Plant (SRSTP).</u>	

Summary of Review

This is a renewal of an existing discharge for an existing 4-bedroom.

Act 14 – Proof of Notification was submitted and received.

Existing treatment consists of (WQM Permit No. 1020404): A Premier Tech EC7-C-P Coco Filter unit with an integrated pump and Ultraviolet (UV) light disinfection unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (355196) as of 3/31/2025.

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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	March 31, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	April 14, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0005
Latitude	41° 4' 13.48"	Longitude	-80° 1' 44.38"
Quad Name	Slippery Rock	Quad Code	41080A1
Wastewater Description: Sewage Effluent			
Receiving Waters	Slippery Rock Creek (CWF)	Stream Code	34032
NHD Com ID	126222138	RMI	1.1000
Drainage Area	0.0	Yield (cfs/mi²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.0	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1346	Slope (ft/ft)	---
Watershed No.	20C	Chapter 93 Class.	Cold Water Fishes
Existing Use	---	Existing Use Qualifier	---
Exceptions to Use	---	Exceptions to Criteria	---
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	7.0	Default	
Temperature (°F)	20	Default	
Hardness (mg/L)	100	Default	
Other:	---	---	
Nearest Downstream Public Water Supply Intake	PA American Water Co. at Ellwood City		
PWS Waters	Connoquenessing Creek	Flow at Intake (cfs)	53.1
PWS RMI	0.1	Distance from Outfall (mi)	37.6

Changes Since Last Permit Issuance: None.

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Premier Tech EC7-C-P Coco Filter unit. The proposed discharge is to resolve a repair of a malfunctioning on-lot system.

The Premier Tech EC7 is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

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
CBOD5	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

Compliance Sampling Location: Outfall 001, after disinfection

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD₅, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.



