

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0239682
APS ID 1023867
Authorization ID 1329048

Applicant, Facility and Project Information

Applicant Name	<u>Philip Nastasi</u>	Facility Name	<u>Philip Nastasi SFTF</u>
Applicant Address	<u>168 Pleasant Valley Road</u> <u>Portersville, PA 16051-2016</u>	Facility Address	<u>168 Pleasant Valley Road</u> <u>Portersville, PA 16051-2016</u>
Applicant Contact	<u>Philip Nastasi</u>	Facility Contact	<u>Philip Nastasi</u>
Applicant Phone	<u>(724) 421-6945</u>	Facility Phone	<u>(724) 421-6945</u>
Client ID	<u>242810</u>	Site ID	<u>652848</u>
SIC Code	<u>8811</u>	Municipality	<u>Muddycreek Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>September 1, 2020</u>	WQM Required	<u>No – Existing (WQG018409)</u>
Date Application Accepted	<u>February 10, 2022</u>	WQM App. No.	<u></u>
Project Description	<u>NPDES permit renewal for an existing treated sewage discharge from a SRSTP</u>		

Summary of Review

No changes to discharge quantity or quality were proposed as part of this permit renewal.

This facility does not qualify for a PAG-04 General Permit because the discharge is to a High Quality-designated watershed.

Existing treatment consists of a dual compartment septic tank, 600-sq. ft. subsurface sand filter, and UV disinfection.

The permittee is believed to be in compliance with the Department's rules and regulations. AMRs for 2019 and 2021 were not submitted.

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at a STP.

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		Adam J. Pesek Adam J. Pesek, E.I.T. / Environmental Engineer	February 15, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	February 18, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 55' 59"</u>	Longitude	<u>-80° 6' 30"</u>
Quad Name	<u>Prospect</u>	Quad Code	<u>1105</u>
Wastewater Description: <u>Treated domestic sewage</u>			
Receiving Waters	<u>Unnamed Tributary to Muddy Creek (HQ-CWF)</u>	Stream Code	<u>---</u>
NHD Com ID	<u>126217017</u>	RMI	<u>0.2100</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 Swale</u>
Elevation (ft)	<u>1265</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>HQ-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>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°C)	<u>20</u>	Default - CWF	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Co. – Ellwood Dristict</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>67</u>
PWS RMI	<u>0.2</u>	Distance from Outfall (mi)	<u>19.4</u>

Changes Since Last Permit Issuance:

Other Comments: Discharge is to a dry drainage swale at RMI 0.21 to an intermittent tributary to Beig Run (34105) at RMI 0.91.

Compliance History	
Summary of Inspections:	Facility was last inspected on June 6, 2015. Inspection report did not note any issues.

Other Comments:

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	1/month	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)

Other Comments: Effluent limits and monitoring frequency for flow, BOD5, TSS, and fecal coliform are in accordance with the Department's SOP entitled "New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications." PH limits and monitoring are being placed in the permit due to the discharge being to a HQ-designated watershed.

TRC reporting was included in the previous renewal but is believed to have been added as a mistake because it was not in the permit issued in 2010 and they do not use chlorine for disinfection.