

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0238741  
APS ID 1088157  
Authorization ID 1440248

**Applicant, Facility and Project Information**

Applicant Name	<u>Don W Neff</u>	Facility Name	<u>Don W Neff SRSTP</u>
Applicant Address	<u>111 Beach Road</u> <u>Chicora, PA 16025-4101</u>	Facility Address	<u>111 Beach Road</u> <u>Chicora, PA 16025-4101</u>
Applicant Contact	<u>John Neff</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 894-2012</u>	Facility Phone	<u></u>
Client ID	<u>161165</u>	Site ID	<u>552019</u>
SIC Code	<u>8811</u>	Municipality	<u>Concord Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>April 28, 2023</u>	WQM Required	<u>Yes – Covered under Exist. Part II Permit</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>1002403</u>
Project Description	<u>Renewal application for a Single Residence Sewage Treatment Plant (SRSTP) for an existing dwelling.</u>		

**Summary of Review**

This is an existing discharge for a 3-bedroom home, previously permitted under an individual NPDES Permit.

Act 14 – Notification was submitted and received.

Treatment consists of (WQM Part II Permit: 1002403): A 1,000 gallon septic tank in series with a 500 gallon septic tank, a 500 gallon dosing tank, a 648 square foot (18 ft x 36 ft) subsurface sand filter, tablet chlorine disinfection with a 300 gallon contact tank, and tablet dechlorination.

EPA Waiver is in effect.

There are no open violations in WMS for subject Client ID (161165) as of 05/16/2023. [5/17/2023 CWY](#)

Evidence that the system has been pumped out in the permit term has been submitted with the application. Effluent testing has also been done on the facility within the permit term and the facility has been able to meet the limits of the previous permit, limits will be kept the same from the previous permit.

Approve	Deny	Signatures	Date
X		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	May 16, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	5/17/2023

**Summary of Review**

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.

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	<u>40° 58' 47.91"</u>	Longitude	<u>-79° 50' 14.75"</u>
Quad Name	<u>East Butler</u>	Quad Code	<u>40079H7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Connoquenessing Creek (HQ-WWF)</u>	Stream Code	<u>35345</u>
NHD Com ID	<u>126218013</u>	RMI	<u></u>
Drainage Area	<u>.85</u>	Yield (cfs/mi <sup>2</sup> )	<u>.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>.085</u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>1170</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>HQ-WWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></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</u>	Default	<u></u>
Temperature (°F)	<u>77</u>	Default	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company - Butler</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>--</u>
PWS RMI	<u>--</u>	Distance from Outfall (mi)	<u>3.65</u>

Changes Since Last Permit Issuance: No changes since last permit issuance necessary.

Other Comments: No modeling was performed for this NPDES Permit renewal as septic tank/sand filter systems are capable of meeting CBOD5 and TSS averages of 10 mg/l, which are less than the inputs of the WQ model.

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 it discharging to a High Quality-designated stream.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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 (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
CBOD5	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: Flow and Total Residual Chlorine (TRC) are monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.