

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272477
APS ID 998819
Authorization ID 1282875

Applicant, Facility and Project Information

Applicant Name	<u>Jeffrey Russ</u>	Facility Name	<u>Jeffrey Russ SRSTP</u>
Applicant Address	<u>1651 Weiler Road</u> <u>Warren, PA 16365</u>	Facility Address	<u>1651 Weiler Road</u> <u>Warren, PA 16365</u>
Applicant Contact	<u>Jeffrey Russ</u>	Facility Contact	<u>Jeffrey Russ</u>
Applicant Phone	<u>(814) 706-4399</u>	Facility Phone	<u>(814) 706-4399</u>
Client ID	<u>351640</u>	Site ID	<u>836860</u>
SIC Code	<u>8800</u>	Municipality	<u>Conewango Township</u>
SIC Description	<u>Private Households</u>	County	<u>Warren County</u>
Date Application Received	<u>July 30, 2019</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>August 6, 2019</u>	WQM App. No.	<u>6219411 will be issued concurrently</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

Summary of Review

Act 14 - Proof of Notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS:

- | | |
|--|---------------------------------|
| A. AMRs | F. Stormwater into sewers |
| B. DMRs | G. Right of way |
| C. Depth of Septage and Scum Measurement | H. Solids handling |
| D. Septic Tank Pumping | I. Public Sewerage Availability |
| E. Effluent Chlorine Optimization and Minimization | |

SPECIAL CONDITIONS: None.

Proposed treatment will consist of: A 1,000 gallon dual compartment septic tank with a Zabel A300 effluent filter, a Premier Tech EC7-C-P coco filter, and an integrated Premier Tech Classic DiUV Ultraviolet (UV) disinfection unit.

There are no open violations in efacts for Client ID 351640 as of 9/20/2019.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 51' 57.12"	Longitude	-79° 12' 53.96"
Quad Name	-	Quad Code	-
Wastewater Description: Sewage Effluent			
Receiving Waters	Morse Run (HQ-CWF)	Stream Code	56301
NHD Com ID	112374555	RMI	2.2
Drainage Area	-	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	-	Q ₇₋₁₀ Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-B	Chapter 93 Class.	High Quality Waters - 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)	-		-
Temperature (°F)	-		-
Hardness (mg/L)	-		-
Other:	-		-
Nearest Downstream Public Water Supply Intake	-		
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

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.

This SFTF 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.

No modeling was performed for this NPDES Permit as the Premier Tech EC7-C-P coco filter is capable of meeting CBOD5 averages of 8 mg/l and TSS averages of 6 mg/l, which are less than the inputs of the WQ model.

Planning was approved on July 22, 2019.

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 (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
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 Ultraviolet (UV) light disinfection.

Flow is 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.