

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0209783
APS ID 1086355
Authorization ID 1435908

Applicant, Facility and Project Information

Applicant Name	<u>Jerry Novosel</u>	Facility Name	<u>Jerry Novosel SRSTP</u>
Applicant Address	<u>41 Gearhart Road</u> <u>Pulaski, PA 16143-1117</u>	Facility Address	<u>41 Gearhart Road</u> <u>Pulaski, PA 16143-1117</u>
Applicant Contact	<u>Jerry Novosel</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 528-0252</u>	Facility Phone	<u></u>
Client ID	<u>72800</u>	Site ID	<u>244639</u>
SIC Code	<u>8800</u>	Municipality	<u>Shenango Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer</u>
Date Application Received	<u>April 3, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Renewal of an existing NPDES Permit for an existing discharge of treated sanitary wastewater from a Single Residence Sewage Treatment Plant (SRSTP).</u>		

Summary of Review

This is for an existing discharge previously permitted under an NPDES Permit.

Act 14 – Proof of notification was submitted and received.

Permitted treatment consists of a Jet Home Wastewater Treatment System consisting of a 1,200 gallon aeration tank, a 725 gallon aerated setting/clarification tank, a Jet J-158 upflow filter, and tablet chlorine disinfection with a 200 gallon contact tank.

The less restrictive limits for BOD₅ and TSS from the previous NPDES Permit were retained with this permit due to the Jet wastewater technology used at this site.

Applicant did not list an email address on the application, previously hard copy transmittals were accepted.

There are no open violations in WMS for the subject Client ID (72800) as of 4/26/2023. *5/1/2023 CWY*

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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	April 26, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	5/1/2023

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>41° 8' 14"</u>	Longitude	<u>-80° 24' 42"</u>
Quad Name	<u>Sharon East</u>	Quad Code	<u>41080B4</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Buchanan Run</u>	Stream Code	<u>35911</u>
NHD Com ID	<u>130033490</u>	RMI	<u>-</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>1141</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-A</u>	Chapter 93 Class.	<u>WWF (Warm Water Fishes)</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>25</u>	Default	<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. – New Castle</u>		
PWS Waters	<u>Shenango River</u>	Flow at Intake (cfs)	<u>16.2</u>
PWS RMI	<u>5.1</u>	Distance from Outfall (mi)	<u>13.9</u>

Changes Since Last Permit Issuance: None

Other Comments: This facility is designed as a small flow treatment facility (SFTF) but does not qualify for a PAG-04 General Permit due to the use of an upflow media filter.

No modeling was performed since this is a renewal of an existing NPDES Permit.

The limits for BOD5 and TSS will remain less restrictive because this facility was originally permitted before the publication of the Small Flow Treatment Facilities Manual.

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.

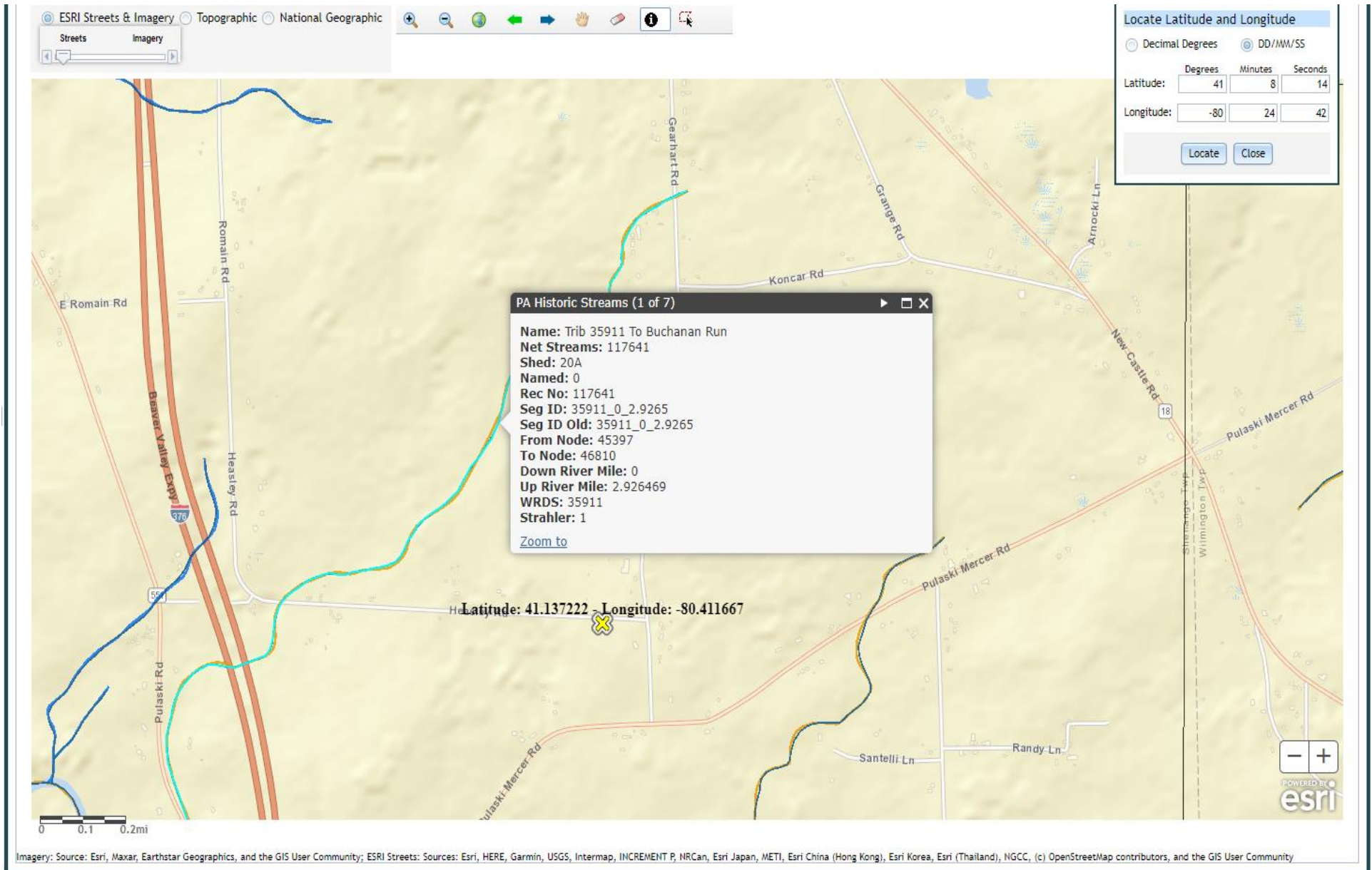
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
BOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/year	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Annl Avg	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: Flow and 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.

The monitoring frequencies for pH will be changed to 1/month from "Upon Request" in the previous permit based on the SOP for New and Reissuance Individual SFTF NPDES Permits.

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery

