

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0271772
APS ID 1086801
Authorization ID 1436605

Applicant, Facility and Project Information

Applicant Name	<u>Diane Melnick</u>	Facility Name	<u>Diane Melnick SRSTP</u>
Applicant Address	<u>806 Farren Surrena Road</u> <u>Harrisville, PA 16038-3712</u>	Facility Address	<u>806 Farren Surrena Road</u> <u>Harrisville, PA 16038</u>
Applicant Contact	<u>Diane Melnick</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 786-8140</u>	Facility Phone	<u></u>
Client ID	<u>345076</u>	Site ID	<u>825983</u>
SIC Code	<u>8800</u>	Municipality	<u>Irwin Township</u>
SIC Description	<u>Private Households</u>	County	<u>Venango</u>
Date Application Received	<u>April 7, 2023</u>	WQM Required	<u>No - Existing</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>6118402</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 (WQM Permit No. 6118402): A Norweco Singulair Model 960 Aerobic unit, Norweco Bio-Film Reactor, and tablet chlorination.

Evidence was submitted with the application that the tank has been pumped out since the original permit was issued. Date of pumping was 5/25/22.

The system was tested by Environmental Laboratory Services Inc. for TRC, pH, BOD5, TSS, and Fecal Coliform. No test data was submitted.

There are no open violations in WMS for the subject Client ID (345076) 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° 11' 12"</u>	Longitude	<u>-79° 56' 14"</u>
Quad Name	<u>Barkeyville</u>	Quad Code	<u>41079B8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of North Branch Slippery Rock Creek (CWF)</u>	Stream Code	<u>34713</u>
NHD Com ID	<u>126216166</u>	RMI	<u>0.4900</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>1432</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>METALS</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE</u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u></u>		<u></u>
Temperature (°F)	<u>20</u>		<u>Default – Cold Water Fishes</u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company – Ellwood City</u>		
PWS Waters	<u>Slippery Rock Creek</u>	Flow at Intake (cfs)	<u>53.1</u>
PWS RMI	<u>.1</u>	Distance from Outfall (mi)	<u>Approx. 49.55</u>

Changes Since Last Permit Issuance: None

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

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.

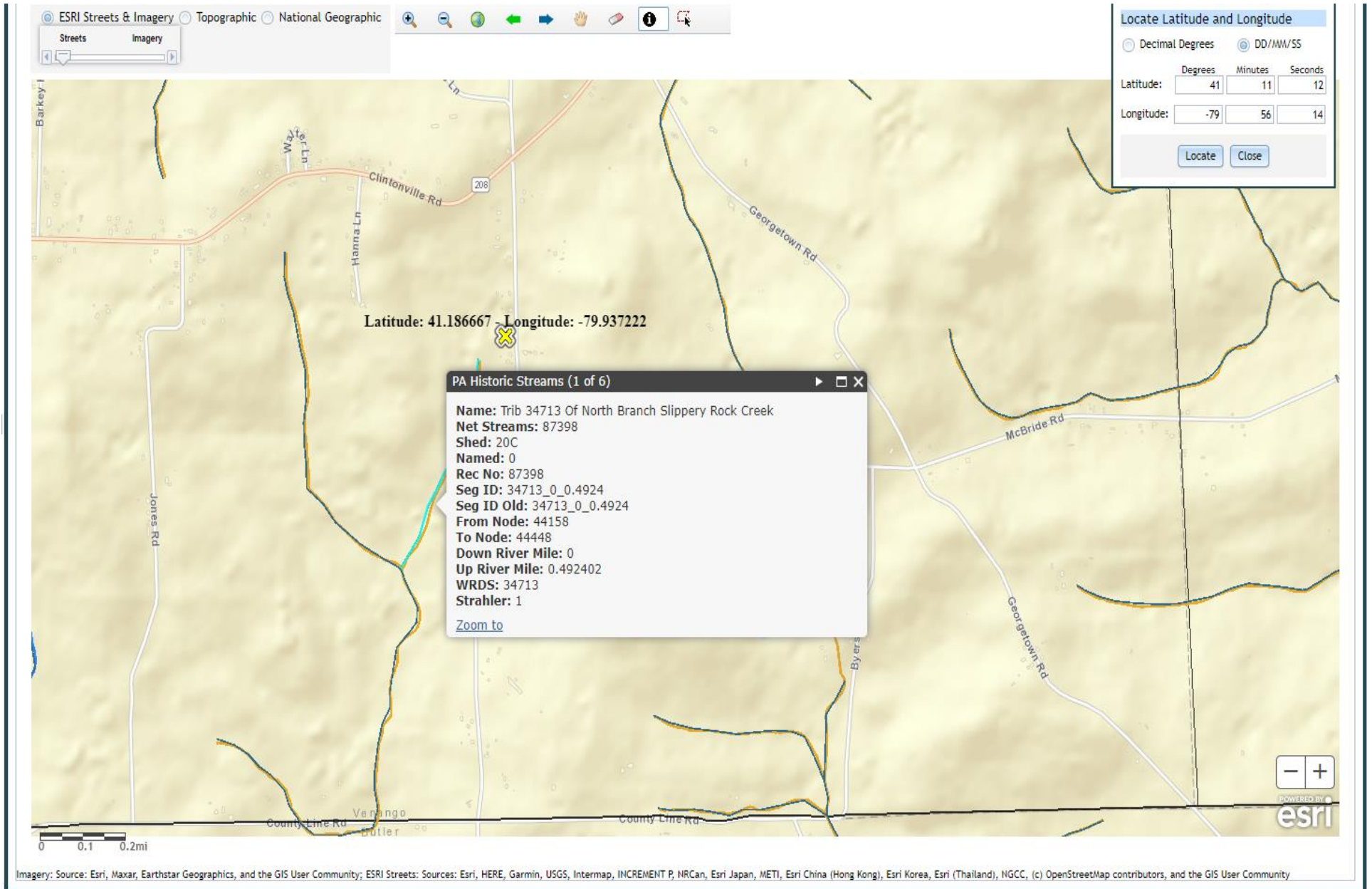
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
BOD5	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 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.

Based on the SOP for New and Reissuance Individual SFTF NPDES Permits the measuring frequency for pH has changed from "Upon Request" to 1/month.

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery

