

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0239208  
APS ID 1119699  
Authorization ID 1495579

### Applicant, Facility and Project Information

Applicant Name	<u>Alex &amp; Sarah Thiel</u>	Facility Name	<u>Alex &amp; Sarah Thiel SRSTP</u>
Applicant Address	<u>2510 Old Route 422 E</u> <u>Fenelton, PA 16034-9404</u>	Facility Address	<u>2510 Old Route 422 E</u> <u>Fenelton, PA 16034-9404</u>
Applicant Contact	<u>Alex Thiel</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 421-4878</u>	Facility Phone	<u></u>
Client ID	<u>369555</u>	Site ID	<u>610888</u>
SIC Code	<u>4952,8811</u>	Municipality	<u>Clearfield Township</u>
SIC Description	<u>Services - Private Households, Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Butler</u>
Date Application Received	<u>August 15, 2024</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>NPDES renewal for a Single Residence Sewage Treatment Plant (SRSTP).</u>		

### Summary of Review

This is a renewal of an existing discharge.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 1003406 T-3): 1,000-gallon multi-compartment septic tank, 500-gallon dosing tank, 600-square foot sand filter and tablet chlorinator with a 300-gallon contact tank.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (369555) as of 4/24/2025.

#### 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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	April 24, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	April 24, 2025

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° 51' 27.27"</u>	Longitude	<u>-79° 45' 33.72"</u>
Quad Name	<u>Saxonburg</u>	Quad Code	<u>40079G7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Little Buffalo Run (HQ-TSF)</u>	Stream Code	<u>42742</u>
NHD Com ID	<u>123973158</u>	RMI	<u></u>
Drainage Area	<u>3.64</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.364</u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>1170</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>18-F</u>	Chapter 93 Class.	<u>HQ-TSF</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>CAUSE UNKNOWN</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>20</u>	Default	<u></u>
Hardness (mg/L)	<u>100</u>	Default	<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Harrison Township Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>2250</u>
PWS RMI	<u>24.2</u>	Distance from Outfall (mi)	<u>&gt;25</u>

Changes Since Last Permit Issuance: None

Other Comments: None

**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.

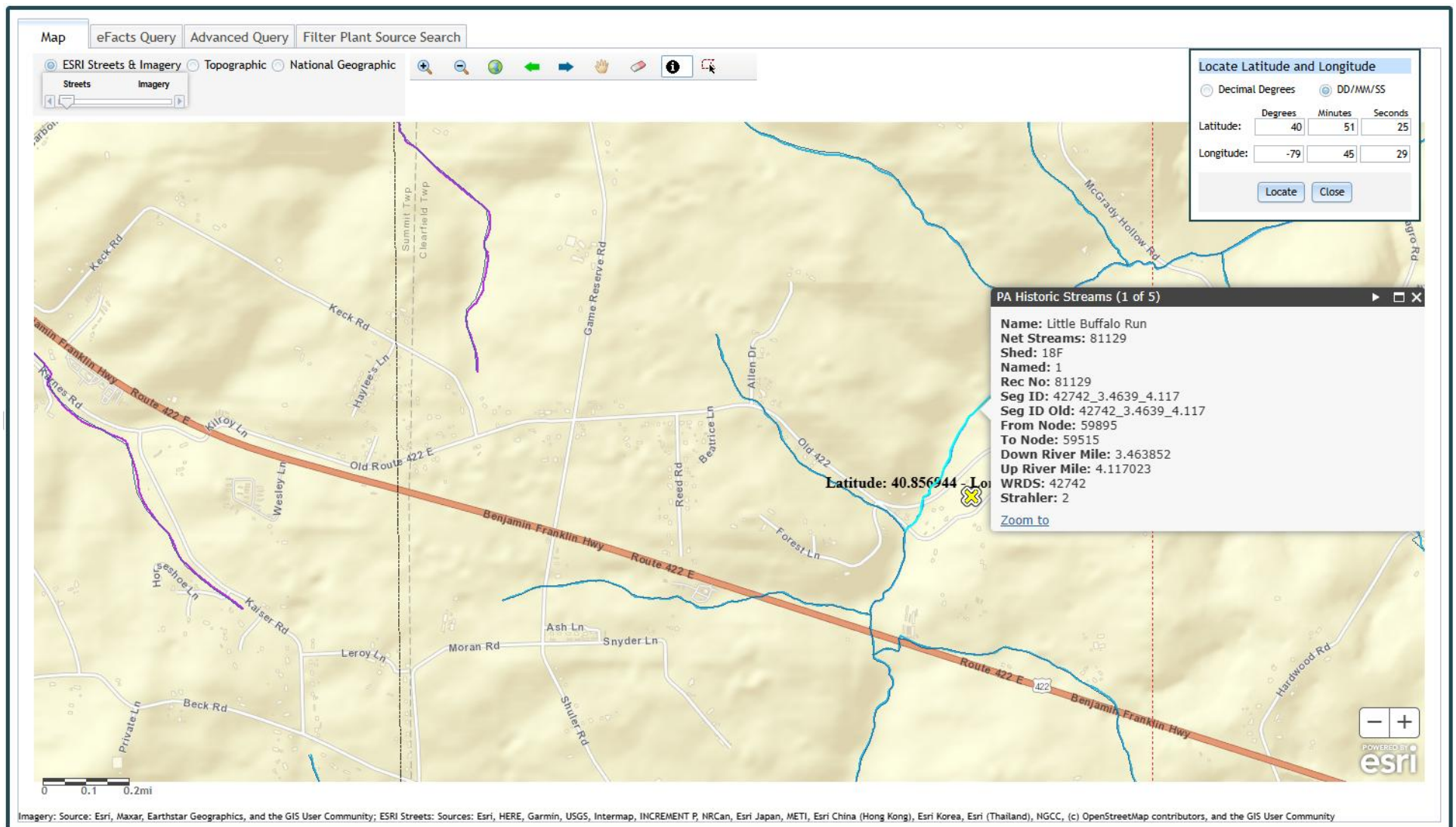
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

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 (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/month	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	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: Flow is monitor only based on Chapter 92a.61. The limits for BOD<sub>5</sub> and Total Suspended Solids are BPJ limits based on the Small Flow Treatment Facilities Manual. Fecal Coliform is technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1  
eMap – Location Map





Attachment 2  
Google Earth Imagery

