

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0272647  
APS ID 1093503  
Authorization ID 1448538

**Applicant, Facility and Project Information**

Applicant Name	<u>Thomas &amp; Karen Chatham</u>	Facility Name	<u>J Thomas &amp; Karen L Chatham SRSTP</u>
Applicant Address	<u>PO Box 242</u> <u>Polk, PA 16342-0242</u>	Facility Address	<u>1290 Valley Road</u> <u>Polk, PA 16342-3920</u>
Applicant Contact	<u>Thomas Chatham</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 437-6433</u>	Facility Phone	<u></u>
Client ID	<u>301970</u>	Site ID	<u>756205</u>
SIC Code	<u>8811</u>	Municipality	<u>Frenchcreek Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Venango</u>
Date Application Received	<u>June 29, 2023</u>	WQM Required	<u>Yes – Permit Received</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>6113401</u>
Project Description	<u>This is a renewal application for a Single Residence Sewage Treatment Plant (SRSTP) that serves an existing dwelling.</u>		

**Summary of Review**

This is an existing discharge previously permitted under an NPDES Individual permit which serves an existing 3-bedroom home.

Act 14 – Notification was submitted and received.

Treatment of this facility currently consists of (WQM Permit No. 6113401): A Norweco Singulair Green Bio-Kinetic System, Model TNT-500. It includes a pretreatment compartment, aeration, settling, filtration, chlorination, and dichlorination in a "package" type unit.

There are no open violations in WMS for the subject Client ID (301970) as of 08/03/2023. *8/7/2023 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	August 3, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	8/7/2023

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° 23' 8.68"</u>	Longitude	<u>-79° 56' 18.36"</u>
Quad Name	<u>Utica</u>	Quad Code	<u>41079D8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Little Sandy Creek (HQ-CWF)</u>	Stream Code	<u>51391</u>
NHD Com ID	<u>100477331</u>	RMI	<u></u>
Drainage Area	<u>16.8</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.045</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.755</u>	Q <sub>7-10</sub> Basis	<u>USGS - StreamStats</u>
Elevation (ft)	<u>1237</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>16-G</u>	Chapter 93 Class.	<u>HQ-CWF</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>7.0</u>	Default	<u></u>
Temperature (°F)	<u>68</u>	Default - CWF	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Polk Center</u>		
PWS Waters	<u>Sandy Creek</u>	Flow at Intake (cfs)	<u>--</u>
PWS RMI	<u>--</u>	Distance from Outfall (mi)	<u>0.55</u>

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

Other Comments: This system has a noticeably high reported value for TRC. The reported values are between 3 mg/l and 4 mg/l, although there is no limit set forth in the previous permit as TRC is "monitor only" these values are higher than average so further investigation was done to ensure this discharge would not affect the quality of the stream. This facility is discharging into a roadside ditch approximately 826 feet to the southwest from the point of first contact with the stream. After investigating a topo map it was determined that the path for the discharge to get to the stream was much longer than the straight line. It is likely that the TRCs concentration would be significantly less if the discharge did follow this path giving reason to believe that the high values reported will not affect the quality of the 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.

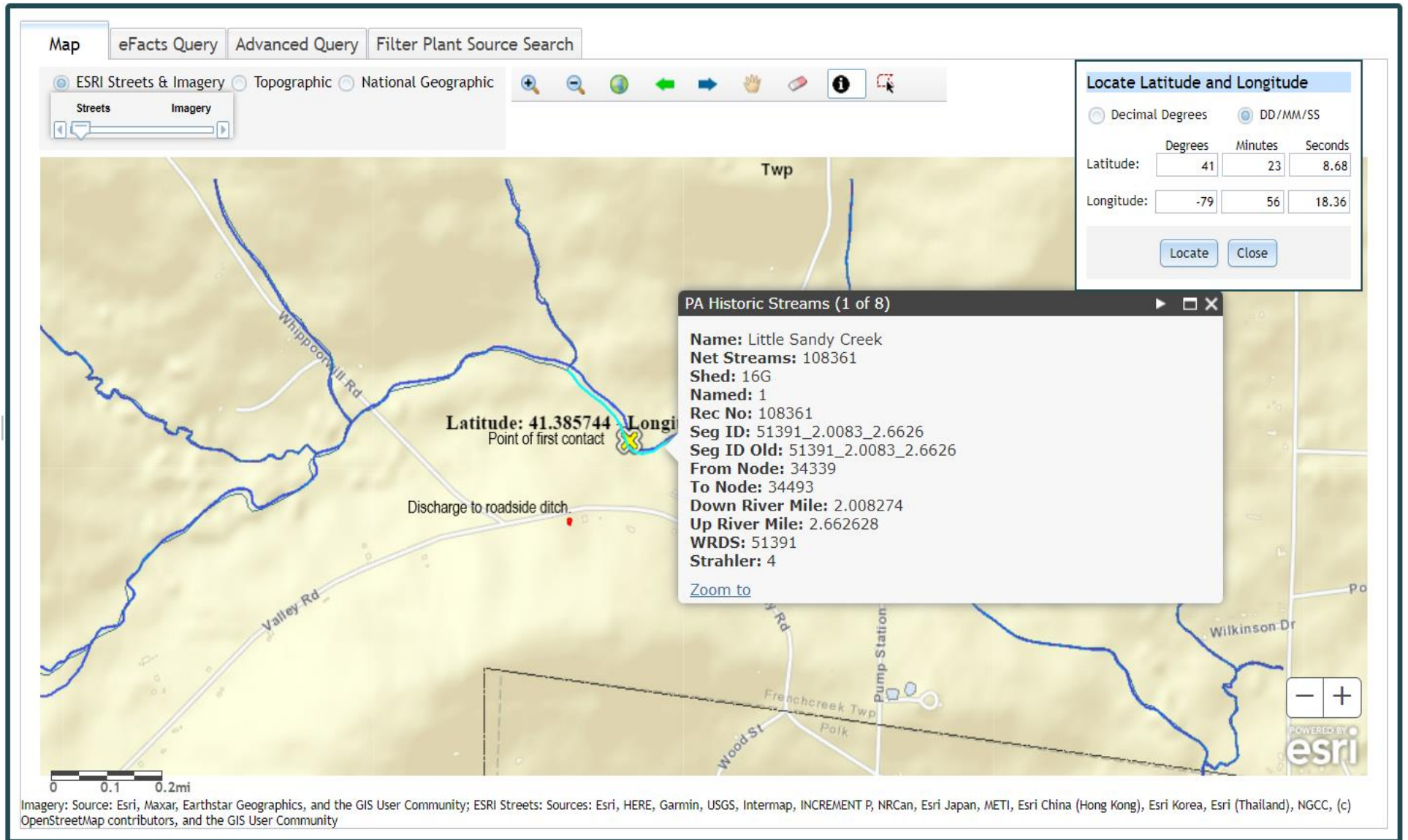
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

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	XXX	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 BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1  
eMap – Location and Receiving Stream Data



Attachment 2  
Google Earth – Site Imagery

