

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0296066
APS ID 1126402
Authorization ID 1507714

Applicant, Facility and Project Information

Applicant Name	<u>Christine Kleemann</u>	Facility Name	<u>Christine Kleemann SRSTP</u>
Applicant Address	<u>225 N Washington Street</u> <u>Butler, PA 16001-5257</u>	Facility Address	<u>901 Clearfield Road</u> <u>Fenelton, PA 16034</u>
Applicant Contact	<u>Christine Kleemann</u>	Facility Contact	<u>Christine Kleemann</u>
Applicant Phone	<u>(724) 355-7089</u>	Facility Phone	<u>(724) 355-7089</u>
Client ID	<u>389574</u>	Site ID	<u>875959</u>
SIC Code	<u>8800</u>	Municipality	<u>Clearfield Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>November 22, 2024</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>1024414</u>
Project Description	<u>Single Residence Sewage Treatment Plant (SRSTP).</u>		

Summary of Review

This is a new discharge for an existing 3-bedroom home to a repair of an existing malfunctioning on-lot system.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 1024414): A Premier Tech ECP-530-P-P-PACK Coco Filter unit with integrated UV unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (389574) as of 3/7/2025.

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	March 7, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	March 7, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0005
Latitude	40° 52' 14.22"	Longitude	-79° 43' 37.80"
Quad Name	Worthington	Quad Code	40079G6
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Little Buffalo Run (HQ-CWF)	Stream Code	42748
NHD Com ID	123973717	RMI	0.1300
Drainage Area	0.38	Yield (cfs/mi ²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.038	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1077	Slope (ft/ft)	---
Watershed No.	18-F	Chapter 93 Class.	HQ-CWF
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)	7.0	Default	
Temperature (°F)	20	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Buffalo Township Municipal Authority		
PWS Waters	Allegheny River	Flow at Intake (cfs)	2576.0
PWS RMI	30	Distance from Outfall (mi)	>25

Changes Since Last Permit Issuance: N/A - This is a proposed discharge (Planning was approved on November 20, 2024).

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the receiving stream being designated High Quality. The proposed discharge is to resolve a repair of a malfunctioning on-lot system.

The Coco Filter unit is reportedly capable of meeting CBOD₅ averages of 10 mg/l and TSS averages of 10 mg/l.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

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.

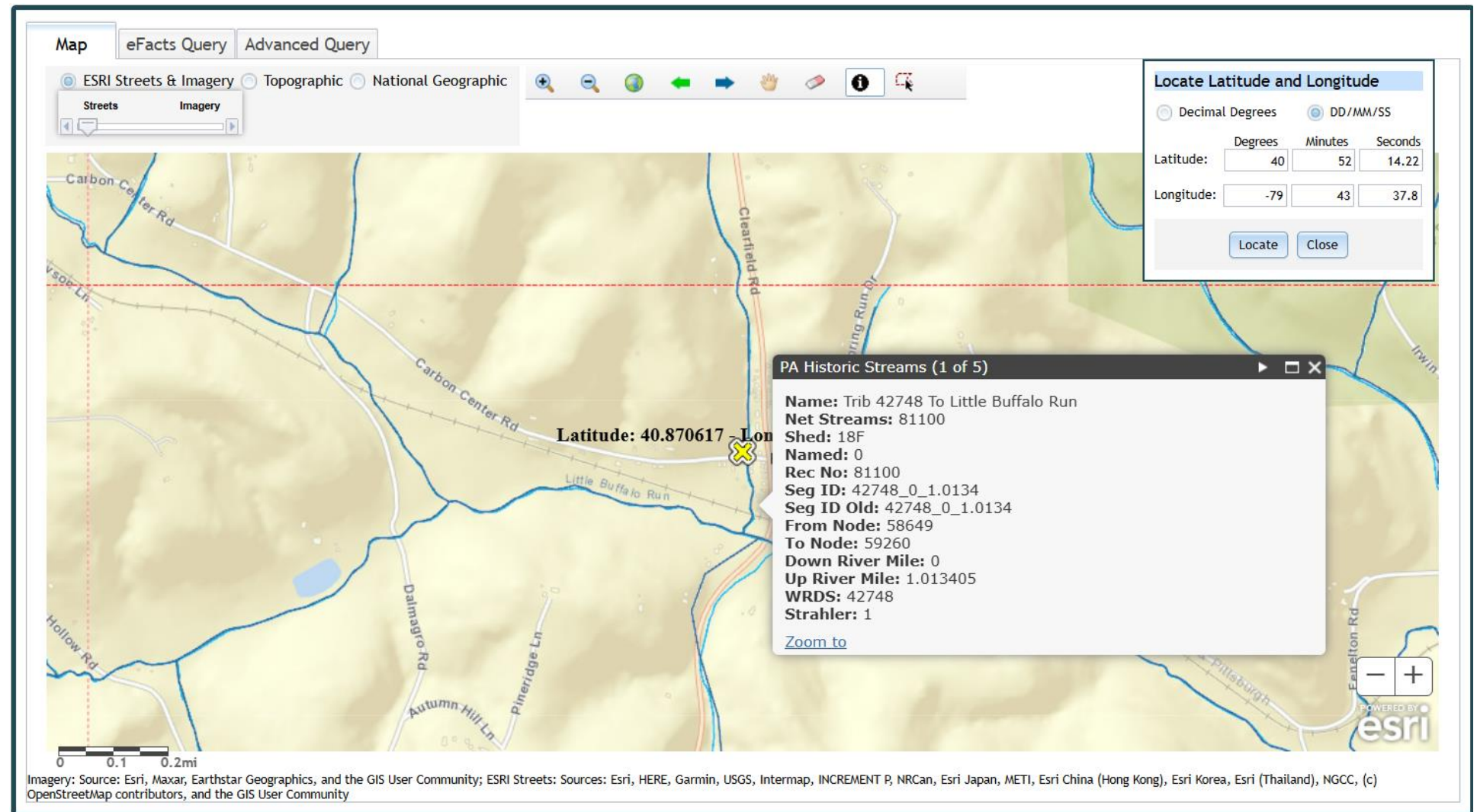
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	1/month	Grab
CBOD5	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 CBOD₅ 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, monthly pH monitoring is an NWRO regional policy for HQ watersheds.

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery

