pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0290491**
Wastewater Type	**Sewage**	APS ID	**1058865**
Facility Type	**SRSTP**	Authorization ID	**1388551**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Rod Wilt**	Facility Name	**Rod Wilt SRSTP**
Applicant Address	262 Leech Road	Facility Address	162 East Maple Lane
	Greenville, PA 16125-9428		Clarion, PA 16214-7228
Applicant Contact	Rod Wilt	Facility Contact	Rod Wilt
Applicant Phone	(724) 813-4798	Facility Phone	(724) 813-4798
Client ID	217541	Site ID	854244
SIC Code	8800	Municipality	Highland Township
SIC Description	Private Households	County	Clarion
Date Application Received	March 2, 2022	WQM Required	Yes
Date Application Accepted	March 29, 2022	WQM App. No.	1622401

Project Description: Single Residence Sewage Treatment Plant (SRSTP).

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. 1622401): A 1500-gallon dual chambered concrete septic tank with a Zabel A300 Effluent Filter at tank outlet followed by a Premier Tech EC7 Coco Filter unit with integrated DiUV ultraviolet disinfection unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (217541) as of 4/29/2022.

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at a STP.

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. / Civil Engineer Trainee	April 29, 2022
X		Adam J. Pesek for Justin C. Dickey, P.E. / Environmental Engineer Manager	May 3, 2022

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41º 13' 3.64"	Longitude	-79º 22' 44.17"
Quad Name	Clarion	Quad Code	41079B4
Wastewater Description:	Sewage Effluent		

Receiving Waters	Clarion River (WWF)	Stream Code	49224
NHD Com ID	102670241	RMI	0.9100
Drainage Area	918	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	91.8	Q_{7-10} Basis	Default
Elevation (ft)	1092	Slope (ft/ft)	---
Watershed No.	17-B	Chapter 93 Class.	WWF
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	Final	Name	Lower Clarion River Wastershed

Background/Ambient Data		Data Source
pH (SU)	7.0	Default
Temperature (°F)	25	Default
Hardness (mg/L)	100	Default
Other:		

Nearest Downstream Public Water Supply Intake		Parker Area Water Authority	
PWS Waters	Allegheny River	Flow at Intake (cfs)	951
PWS RMI	83.94	Distance from Outfall (mi)	>25

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on February 22, 2022).

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 use of a Coco Filter. 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.

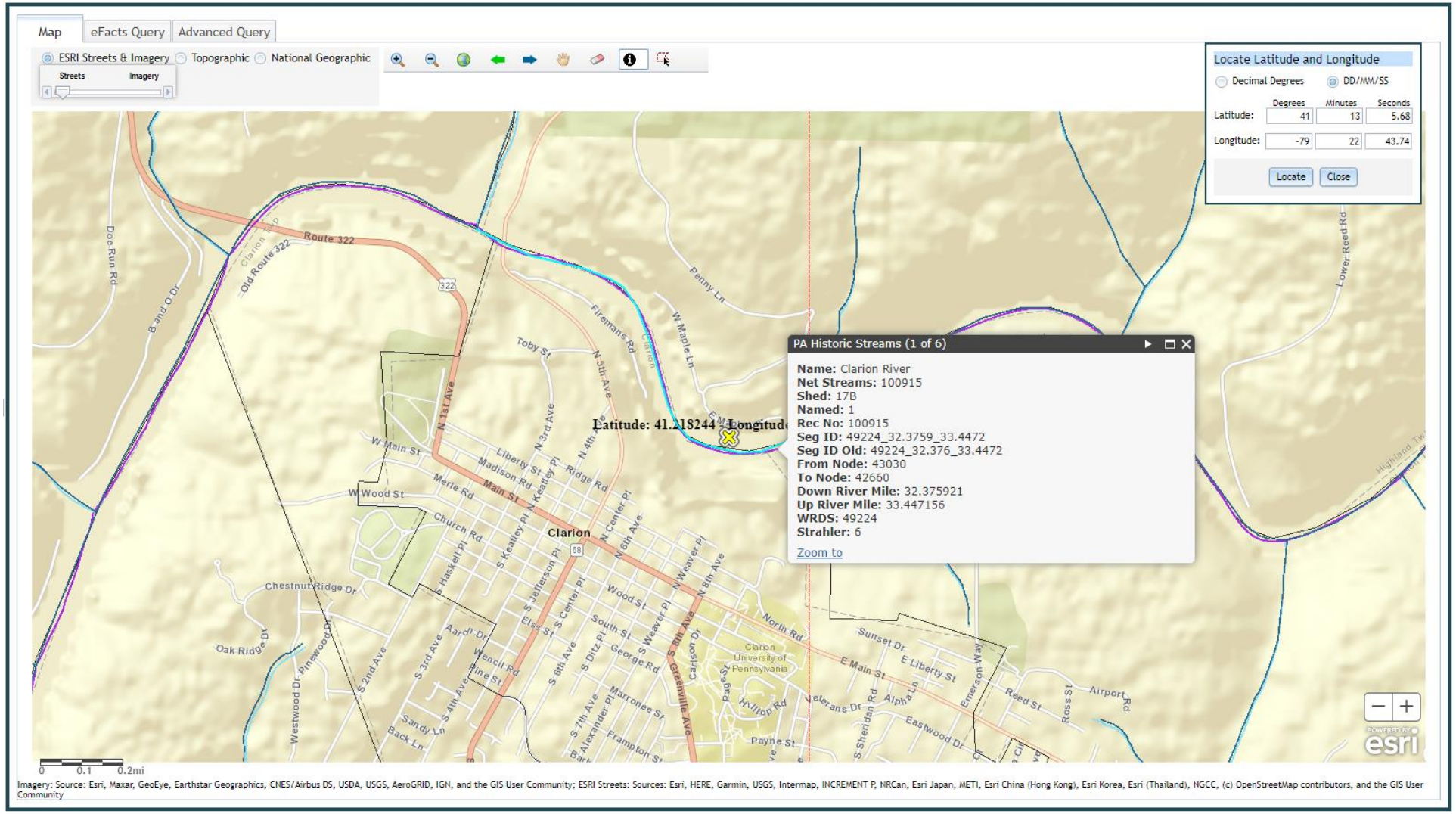
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	Upon Request	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 is monitor only based on Chapter 92a.61. The limits for BOD_5, Total Suspended Solids, and Fecal Coliform are technology-based on the Department's "Small Flow Treatment Facilities Manual". The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery