pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0295558**
Wastewater Type	**Sewage**	APS ID	**1102467**
Facility Type	**SRSTP**	Authorization ID	**1464700**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Donald Buzzard**	Facility Name	**Donald Buzzard SRSTP**
Applicant Address	4506 Grand Harbour Drive	Facility Address	1352 Enterprise Road
	Erie, PA 16505-5708		Titusville, PA 16354
Applicant Contact	Donald Buzzard	Facility Contact	Donald Buzzard
Applicant Phone	(814) 490-8455	Facility Phone	(814) 490-8455
Client ID	381450	Site ID	866786
SIC Code	8800	Municipality	Southwest Township
SIC Description	Private Households	County	Warren
Date Application Received	November 21, 2023	WQM Required	Yes
Date Application Accepted		WQM App. No.	6223406

Project Description: Single Residence Sewage Treatment Plant.

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. 6223406): A 1000-gallon dual chambered concrete septic tank followed by a Premier Tech EC7-500-C-DiUV Coco Filter unit with integrated UV unit and pump preinstalled.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (381450) as of 2/9/2024.

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	February 9, 2024
		Justin C. Dickey *Vacant* / Environmental Engineer Manager	February 12, 2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41º 37' 53.44"	Longitude	-79º 36' 1.60"
Quad Name	Grand Valley	Quad Code	41079F5
Wastewater Description:	Sewage Effluent		

Receiving Waters	Pine Creek (HQ-CWF)	Stream Code	54221
NHD Com ID	100472675	RMI	0.2700
Drainage Area	29.9	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	2.99	Q_{7-10} Basis	Default
Elevation (ft)	1245	Slope (ft/ft)	---
Watershed No.	16-E	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		Aqua Pennsylvania, Inc. - Emlenton	
PWS Waters	Allegheny River	Flow at Intake (cfs)	1376
PWS RMI	90.0	Distance from Outfall (mi)	>25

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on November 8, 2023). *Anti-degradation is based on this being the repair of an existing malfunctioning onlot system. Therefore, an existing untreated discharge will now be treated and result in less pollution being discharged to the High Quality (HQ) watershed.* *JCD*

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.

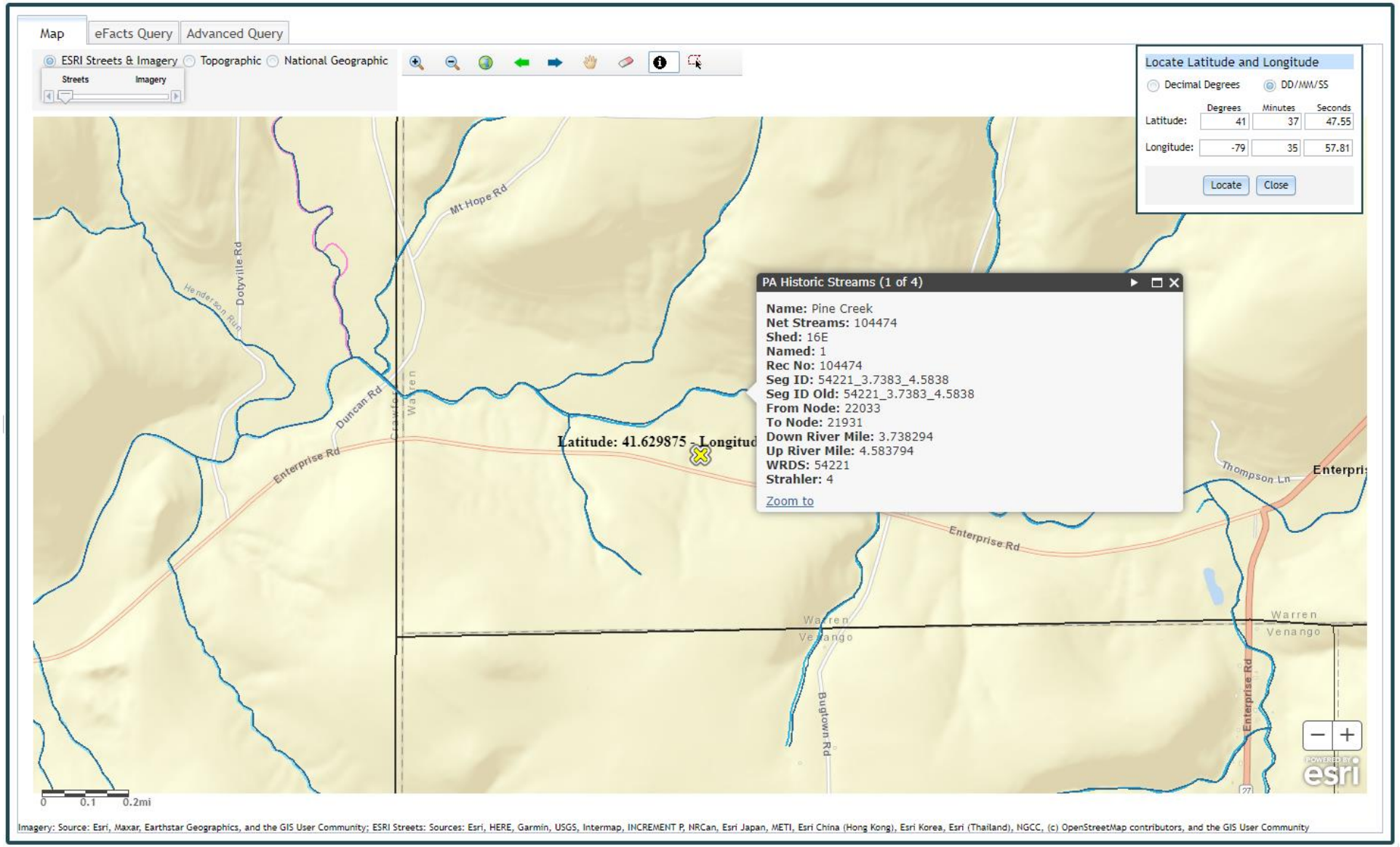
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	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 is monitor only based on Chapter 92a.61. The limits for BOD_5 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