pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0295264**
Wastewater Type	**Sewage**	APS ID	**1095253**
Facility Type	**SRSTP**	Authorization ID	**1451568**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Michael Czachowski**	Facility Name	**Michael Czachowski SRSTP**
Applicant Address	475 Stanford Road	Facility Address	475 Stanford Road
	Prospect, PA 16052-2715		Prospect, PA 16052-2715
Applicant Contact	Michael Czachowski	Facility Contact	
Applicant Phone	(724) 816-9138	Facility Phone	
Client ID	379384	Site ID	865052
SIC Code	8800	Municipality	Muddycreek Township
SIC Description	Private Households	County	Butler
Date Application Received	August 7, 2023	WQM Required	Yes – Application Received.
Date Application Accepted		WQM App. No.	1023412
Project Description	This is an application for a new Single Residence Sewage Treatment Plant (SRSTP) which will serve an existing dwelling.		

Summary of Review

This is a new discharge which will serve an existing 3-bedroom home and replace an existing malfunctioning on-lot disposal system.

Act 14 – Notification was submitted and received.

Treatment of this facility will consist of (WQM Permit No. 1023412): From the existing dwelling the sewage will flow to a new 1,000-gallon dual compartment septic tank with a Zabel A300 effluent filter and alarm at outlet end of tank, then through a Premier Tech EC7-500-P-P/G Coco filter then through a 1,000-gallon dual compartment tank with a Norweco AT1500 UV Unit and pump in the second compartment.

There are no open violations in WMS for the subject Client ID (379384) as of 8/28/2023. *9/7/2023 CWY*

EPA Waiver is in effect.

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 28, 2023
X		Chad W. Yurisic Chad W. Yurisic, P.E. / Environmental Engineer Manager	9/7/2023

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40º 53' 34.28"	Longitude	-80º 6' 9.82"
Quad Name	Prospect	Quad Code	40080H1
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Yellow Creek (CWF)	Stream Code	34921
NHD Com ID	126217069	RMI	0.1200
Drainage Area	2.77	Yield (cfs/mi^2)	0.011
Q_{7-10} Flow (cfs)	0.0297	Q_{7-10} Basis	USGS - StreamStats
Elevation (ft)	1,041	Slope (ft/ft)	--
Watershed No.	20-C	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	METALS		
Source(s) of Impairment	ACID MINE DRAINAGE		
TMDL Status	Final	Name	Little Connoquenessing Creek Watershed

Background/Ambient Data		Data Source
pH (SU)	7.0	Default
Temperature (°F)	68	Default
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake		Harmony Borough Water Authority	
PWS Waters	Little Connoquenessing Creek and Connoquenessing Creek	Flow at Intake (cfs)	2.0
PWS RMI	1.1	Distance from Outfall (mi)	7.49

Changes Since Last Permit Issuance: N/A – This is a new discharge (Planning was approved on August 4, 2023)

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 Coco filter 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 an 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.

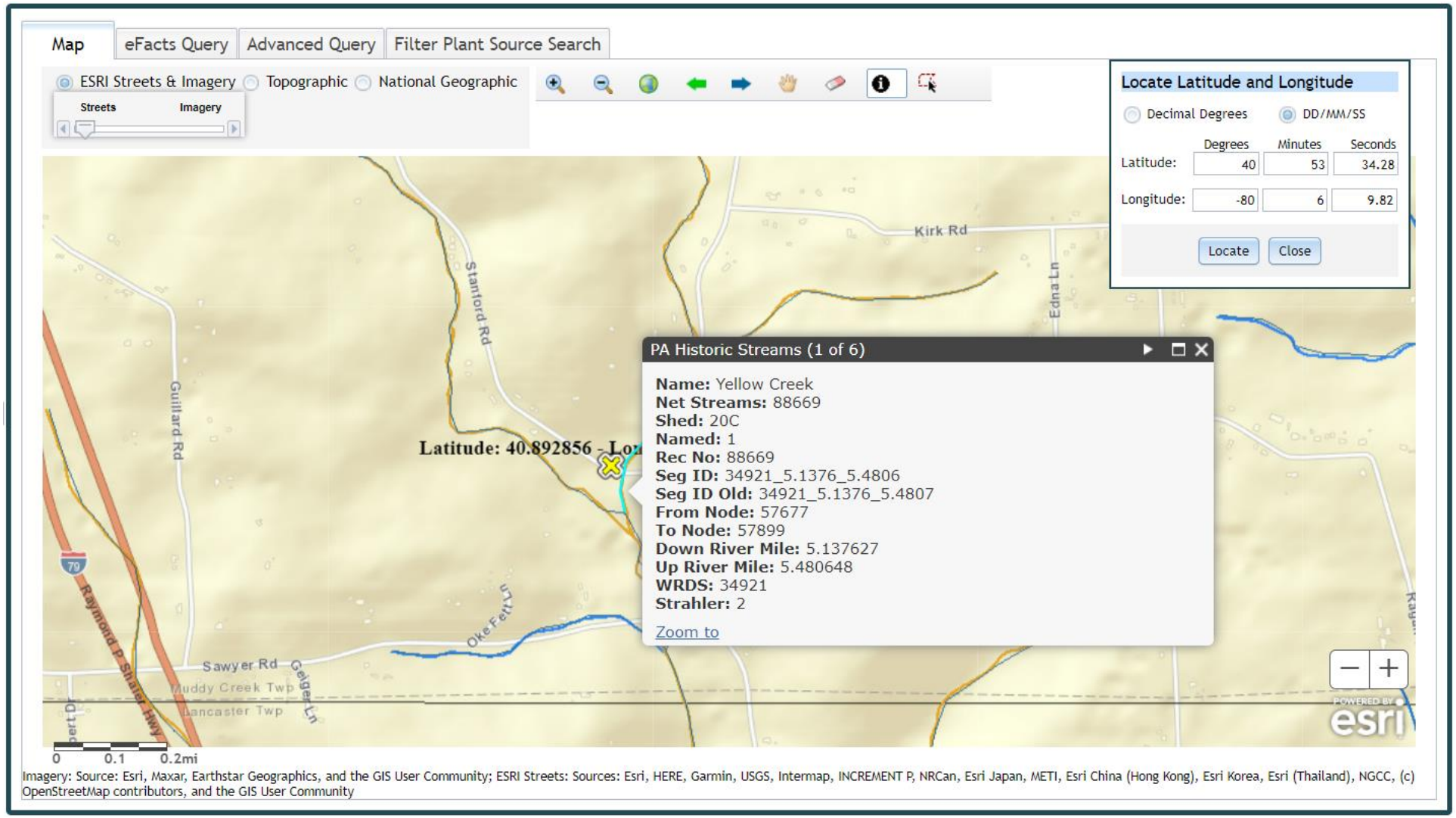
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 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