

Application Type New  
Wastewater Type Sewage  
Facility Type SFTF

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

Application No. PA0295779  
APS ID 1110676  
Authorization ID 1479038

**Applicant, Facility and Project Information**

Applicant Name	<u>Kay Launer</u>	Facility Name	<u>Kay Launer SFTF</u>
Applicant Address	<u>2480 Keller Road</u> <u>Warren, PA 16365-8717</u>	Facility Address	<u>2480 Keller Road</u> <u>Warren, PA 16365-8717</u>
Applicant Contact	<u>Kay Launer</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 688-7194</u>	Facility Phone	<u></u>
Client ID	<u>384904</u>	Site ID	<u>867544</u>
SIC Code	<u>4952</u>	Municipality	<u>Conewango Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Warren</u>
Date Application Received	<u>March 11, 2024</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>6224402</u>
Project Description	<u>Individual NPDES for a Small Flow Treatment Facility SFTF.</u>		

**Summary of Review**

This is an existing discharge for two existing dwellings 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. 2520419): A 2000-gallon dual chambered concrete septic tank with a zabel A300 effluent filter on the tank outlet followed by a Premier Tech EC7-1050-P-DVE Coco Filter then to a Premier Tech Rewatec UV unit before discharging to Scott Run.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (384904) as of 5/17/2024.

A site visit was conducted by DEP staff on 4/22/2024 to address homeowner concerns regarding the location of the proposed discharge in relation to the pond. The outfall location was moved ~10-ft upslope to provide additional aeration prior to discharge to the pond, and a perforated pipe with gravel bed was proposed at the outlet. Discharge to the diversion ditch upslope of the pond was not feasible as no defined channel was maintained into the wooded area. See pictures attached.

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	May 17, 2024
X		Jason Roessing, P.E. / Environmental Engineer Manager	May 28, 2024

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>.0008</u>
Latitude	<u>41° 52' 43.76"</u>	Longitude	<u>-79° 15' 12.08"</u>
Quad Name	<u>Sugar Grove</u>	Quad Code	<u>41079H3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Scott Run (CWF)</u>	Stream Code	<u>56297</u>
NHD Com ID	<u>112373925</u>	RMI	<u>0.6400</u>
Drainage Area	<u>0.1</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.01</u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>1759</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-B</u>	Chapter 93 Class.	<u>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>20</u>	Default	<u></u>
Hardness (mg/L)	<u>100</u>	Default	<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>&gt;25</u>

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on November 6, 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 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.

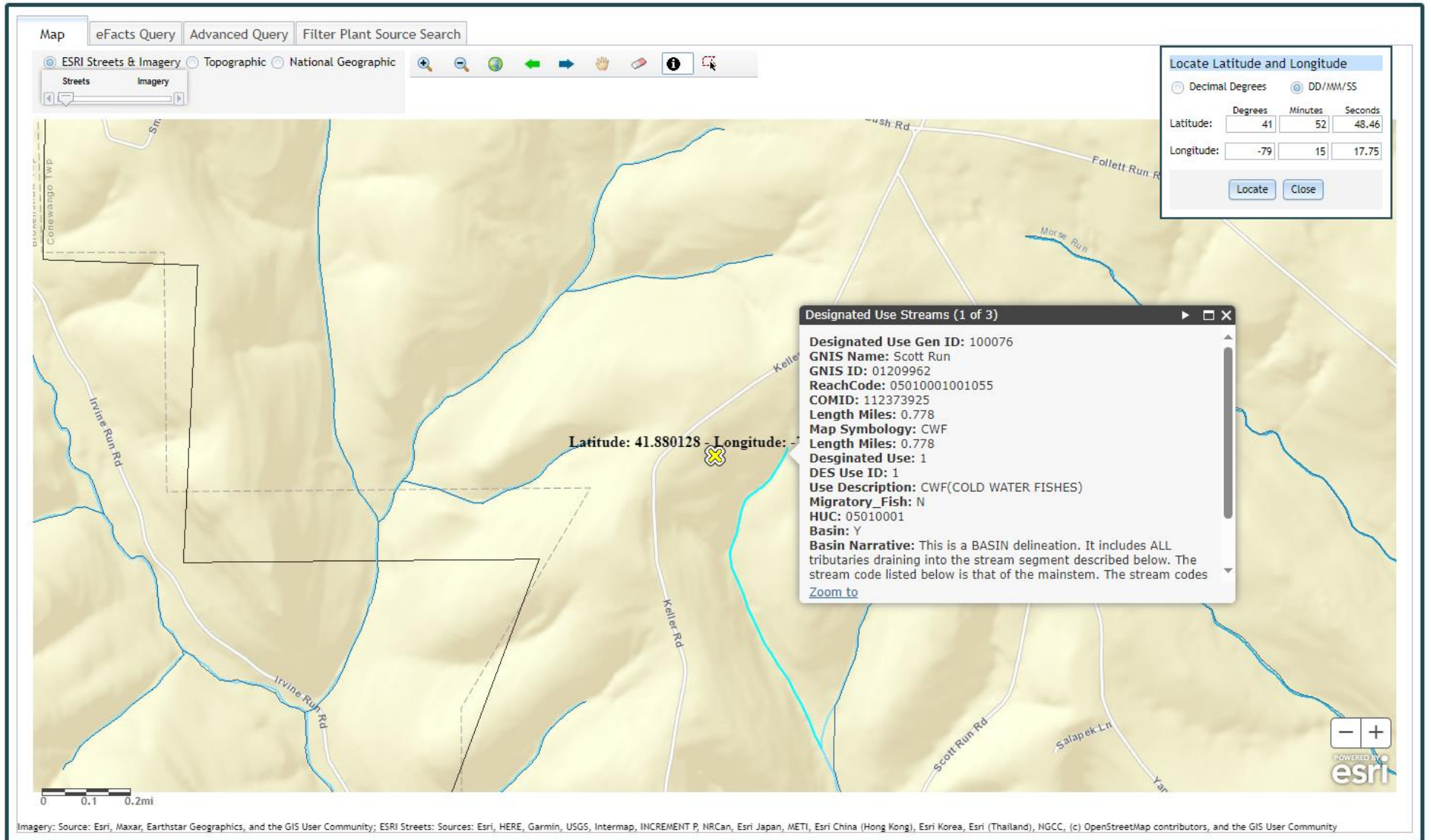
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <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 (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
CBOD5	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<sub>5</sub> 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





Attachment 3  
Site Photos – April 22, 2024



Photo 1: Area of proposed outfall and pond.



Photo 2: Spring fed drainage to pond. This is the area of the proposed outfall.