

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0295604
APS ID 1103449
Authorization ID 1466686

Applicant, Facility and Project Information

Applicant Name	<u>William C Fox</u>	Facility Name	<u>William C Fox SRSTP</u>
Applicant Address	<u>15 Pleasant Street</u> <u>Sugar Grove, PA 16350-1621</u>	Facility Address	<u>8596 Route 958</u> <u>Bear Lake, PA 16402-3234</u>
Applicant Contact	<u>William Fox</u>	Facility Contact	<u>William Fox</u>
Applicant Phone	<u>(814) 230-4727</u>	Facility Phone	<u>(814) 230-4727</u>
Client ID	<u>381736</u>	Site ID	<u>865539</u>
SIC Code	<u>8800</u>	Municipality	<u>Freehold Township</u>
SIC Description	<u>Private Households</u>	County	<u>Warren</u>
Date Application Received	<u>December 14, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>6223407</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. 6223407): A 1000-gallon dual chambered concrete septic tank followed by a Premier Tech EC7-500-C-G Coco Filter unit with Norweco LF1000 Chlorinator, followed by a 300-gallon baffled concrete chlorine contact tank.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (381736) as of 2/23/2024.

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 23, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 2/29/2024

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>.0004</u>
<i>NHD</i> Latitude	<u>41° 59' 59.72"</u>	<i>NHD</i> Longitude	<u>-79° 28' 5.91"</u>
<i>Outfall Latitude</i>	<u>41° 59' 52.22"</u>	<i>Outfall Longitude</i>	<u>-79° 27' 51.86"</u>
Quad Name	<u>Lottsville</u>	Quad Code	<u>41079H4</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Little Brokenstraw Creek</u>	Stream Code	<u>55950</u>
NHD Com ID	<u>112369115</u>	RMI	<u>0.0000</u>
Drainage Area	<u>0.32</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.032</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1503</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16B</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>Not Assessed</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>New York State Line</u>		
PWS Waters	<u>Little Brokenstraw Creek</u>	Flow at Intake (cfs)	<u>N/A</u>
PWS RMI	<u>N/A</u>	Distance from Outfall (mi)	<u>0.1</u>

Changes Since Last Permit Issuance: None

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
TRC	XXX	XXX	XXX	Report	XXX	Report	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: None.

Attachment 1
eMap – Location Map

The screenshot displays a web-based mapping application interface. At the top, there are tabs for 'Map', 'eFacts Query', and 'Advanced Query'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar contains standard navigation icons. On the right, a 'Locate Latitude and Longitude' dialog box is open, showing input fields for Latitude (41 59 52.22) and Longitude (-79 27 51.86) in DD/MM/SS format, with 'Locate' and 'Close' buttons. The main map area shows a topographic view of a region with a yellow 'X' marker at coordinates Latitude: 41.997839, Longitude: -79.464406. A popup window titled 'PA Historic Streams (1 of 4)' is open over the map, displaying the following data for 'Little Brokenstraw Creek':
Name: Little Brokenstraw Creek
Net Streams: 103587
Shed: 16B
Named: 1
Rec No: 103587
Seg ID: 55950_15.5178_17.3702
Seg ID Old: 55950_15.5195_17.3719
From Node: 1380
To Node: 2218
Down River Mile: 15.517829
Up River Mile: 17.370163
WRDS: 55950
Strahler: 2
A 'Zoom to' link is also present. The map includes labels for 'Route 958', 'North Rd', 'Little Brokenstraw Creek', and 'Bear Lake'. A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The bottom of the map features a copyright notice: 'Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community'. The Esri logo is visible in the bottom right corner.

Attachment 2
Google Earth Imagery

