

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0272621  
APS ID 1086716  
Authorization ID 1436467

**Applicant, Facility and Project Information**

Applicant Name	<u>Larry Chambers</u>	Facility Name	<u>Larry Chambers SRSTP</u>
Applicant Address	<u>2320 William Flynn Highway</u> <u>Butler, PA 16001-0748</u>	Facility Address	<u>2320 William Flynn Highway</u> <u>Butler, PA 16001-0748</u>
Applicant Contact	<u>Larry Chambers</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 282-7740</u>	Facility Phone	<u></u>
Client ID	<u>301149</u>	Site ID	<u>765517</u>
SIC Code	<u>4952,8811</u>	Municipality	<u>Center Township</u>
SIC Description	<u>Services - Private Households, Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Butler</u>
Date Application Received	<u>April 6, 2023</u>	WQM Required	<u>No - Existing</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>1013401</u>
Project Description	<u>Renewal of a NPDES Permit from an existing discharge for a Single Residence Sewer Treatment Plant (SRSTP)</u>		

**Summary of Review**

This is an existing discharge previously permitted under an NPDES Permit.

Act 14 – Proof of notification was submitted and received.

The treatment process includes (WQM Permit No. 1013401): A 1000 gallon dual chamber septic tank followed by a pressure dosed 600 square foot subsurface sand filter and UV disinfection.

EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (301149) as of 4/24/2023 [5/1/2023 CWY](#)

Applicant did not list an email address on the application, previously hard copy transmittals were accepted.

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	April 24, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	5/1/2023

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>
Latitude	<u>40° 57' 18"</u>	Longitude	<u>-79° 57' 56"</u>
Quad Name	<u>Mount Chestnut</u>	Quad Code	<u>40079H8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Muddy Creek (HQ-CWF)</u>	Stream Code	<u>---</u>
NHD Com ID	<u>126221041</u>	RMI	<u>.77</u>
Drainage Area	<u>.003</u>	Yield (cfs/mi <sup>2</sup> )	<u>0</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0</u>	Q <sub>7-10</sub> Basis	<u>Dry Stream</u>
Elevation (ft)	<u>1371</u>	Slope (ft/ft)	<u>.04177</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>HQ-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</u>	Default	<u></u>
Temperature (°F)	<u>20</u>	Default (CWF)	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Company - Ellwood</u>		
PWS Waters	<u>Slippery Rock Creek</u>	Flow at Intake (cfs)	<u>53.1</u>
PWS RMI	<u>.1</u>	Distance from Outfall (mi)	<u>27.24</u>

Changes Since Last Permit Issuance: Updated Flow at Intake and PWS RMI for the Public Water Supply Intake based on most recent data. Distance from Outfall did not change because it is still going to the same Public Water Supply Intake.

Other Comments:

**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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	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	1000	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>, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a 47. The limits for pH are technology-based on Chapter 93 7.

Applicant has gotten facility tested by Freedom Associates Inc., from New Castle, PA, but has not included test data in the renewal application.

Attachment 1  
eMap – Location Map

The screenshot displays a web-based mapping application. At the top left, there are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. Below these are 'Streets' and 'Imagery' layers. A toolbar with navigation icons is located at the top center. On the right side, a 'Locate Latitude and Longitude' dialog box is open, showing 'DD/MM/SS' format with Latitude: 40 57 18 and Longitude: -79 57 56. A popup window titled 'PA Historic Streams (1 of 6)' is overlaid on the map, displaying the following data:

- Name: Trib 34144 To Muddy Creek
- Net Streams: 88333
- Shed: 20C
- Named: 0
- Rec No: 88333
- Seg ID: 34144\_0\_1.6455
- Seg ID Old: 34144\_0\_1.6455
- From Node: 55224
- To Node: 54379
- Down River Mile: 0
- Up River Mile: 1.645469
- WRDS: 34144
- Strahler: 1

The map shows a topographic view with a yellow 'X' marker at the coordinates Latitude: 40.955 and Longitude: -79.96556. A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The Esri logo is in the bottom right corner.

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

Attachment 2  
Google Earth Imagery

