

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0263885
APS ID 1073823
Authorization ID 1414358

Applicant, Facility and Project Information

Applicant Name	<u>Cherrie & Thomas Peffer</u>	Facility Name	<u>Cherrie & Thomas Peffer SRSTP</u>
Applicant Address	<u>4162 State Route 488</u> <u>Portersville, PA 16051-3728</u>	Facility Address	<u>4162 State Route 488</u> <u>Portersville, PA 16051-3728</u>
Applicant Contact	<u>Cherrie & Thomas Peffer</u>	Facility Contact	<u>Cherrie & Thomas Peffer</u>
Applicant Phone	<u>(724) 368-3768</u>	Facility Phone	<u>(724) 368-3768</u>
Client ID	<u>288723</u>	Site ID	<u>740161</u>
SIC Code	<u>8800</u>	Municipality	<u>Perry Township</u>
SIC Description	<u>Private Households</u>	County	<u>Lawrence</u>
Date Application Received	<u>September 12, 2022</u>	WQM Required	<u>Issued previously</u>
Date Application Accepted	<u>October 21, 2022</u>	WQM App. No.	<u>3711401</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

Summary of Review

This is an existing discharge for a 3-bedroom home.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 3711401): An Orenco AdvanTex Treatment System consisting of a 1,000 gallon septic tank, and an 800 gallon recirc-blend tank, followed by an AdvanTex Filter system (AX20-RT) with absorbent textile filter sheets, and an Orenco UV-SAL-1 Ultraviolet (UV) light disinfection unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (288723) as of 12/23/2022.

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	December 23, 2022
X		Adam J. Pesek (Lead Reviewer) for Vacant / Environmental Engineer Manager	December 28, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 53' 11.58"</u>	Longitude	<u>-80° 11' 41.65"</u>
Quad Name	<u>Portersville</u>	Quad Code	<u>40080H2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Camp Run (WWF)</u>	Stream Code	<u>34884</u>
NHD Com ID	<u>126216756</u>	RMI	<u></u>
Drainage Area	<u>0.11</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.01</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1273</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>WWF</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 (°C)	<u>25</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>Pennsylvania American Water, Inc. – Ellwood City</u>		
PWS Waters	<u>Slippery Rock Creek</u>	Flow at Intake (cfs)	<u>53.1</u>
PWS RMI	<u>0.1</u>	Distance from Outfall (mi)	<u>17.5</u>

Changes Since Last Permit Issuance: None.

Other Comments: This SRSTP does not qualify for the PAG-04 General Permit due to the use of an Orenco AdvanTex Treatment System and an AdvanTex Filter system (AX20-RT).

No modeling was performed since this is a renewal of an existing NPDES Permit and the technology-based limits set are already below the inputs of the model.

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 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

The screenshot shows a web-based GIS 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 various navigation and tool icons. On the right, a 'Locate Latitude and Longitude' dialog box is open, showing 'Decimal Degrees' selected and 'DD/MM/SS' as the format. The latitude is 40 53 13.6 and the longitude is -80 11 46. Below the map, a 'PA Historic Streams (1 of 4)' popup window is displayed, containing the following information:

- Name: Trib 34884 To Camp Run
- Net Streams: 88726
- Shed: 20C
- Named: 0
- Rec No: 88726
- Seg ID: 34884_1.0025_1.3684
- Seg ID Old: 34884_1.0025_1.3684
- From Node: 58066
- To Node: 58301
- Down River Mile: 1.002466
- Up River Mile: 1.36838
- WRDS: 34884
- Strahler: 1

A 'Zoom to' link is visible at the bottom of the popup. The map itself shows a network of roads and streams in the Pleasant Hill area, with a yellow 'X' marker on a stream segment. 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

