

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0293113  
APS ID 1085778  
Authorization ID 1434970

**Applicant, Facility and Project Information**

Applicant Name	<u>James Petruska</u>	Facility Name	<u>James Petruska SRSTP</u>
Applicant Address	<u>106 Lilac Lane</u> <u>Valencia, PA 16059-2212</u>	Facility Address	<u>114 Lilac Lane</u> <u>Valencia, PA 16059-2214</u>
Applicant Contact	<u>James Petruska</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 816-8112</u>	Facility Phone	<u></u>
Client ID	<u>376572</u>	Site ID	<u>862566</u>
SIC Code	<u>8800</u>	Municipality	<u>Middlesex Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>March 27, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>1023408</u>
Project Description	<u>.</u>		

**Summary of Review**

This is a new discharge for an existing 3-bedroom home to replace an existing malfunctioning on-lot sewage disposal system. The existing septic tank to be pumped out and removed from site by a certified hauler.

Act 14 – Proof of Notification was submitted and received

Proposed treatment will consist of (WQM Permit No. 1023408): A Premier Tech EC7-500-P-P-PACK DiUV coco filter with integrated septic tank capacity, DiUV unit and pump that is preinstalled by the manufacturer.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (376572) as of 4/18/2023 *4/20/2023 CWY*

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 19, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	4/20/2023

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° 40' 34.57"</u>	Longitude	<u>-79° 57' 44.82"</u>
Quad Name	<u>Valencia</u>	Quad Code	<u>40079F8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Glade Run (WWF)</u>	Stream Code	<u>63673</u>
NHD Com ID	<u>126222540</u>	RMI	<u>0.2100</u>
Drainage Area	<u>.0354</u>	Yield (cfs/mi <sup>2</sup> )	<u>.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>.00354</u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>1188</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</u>	Default	<u></u>
Temperature (°F)	<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>Beaver Falls Municipal Authority</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>561</u>
PWS RMI	<u>3.5</u>	Distance from Outfall (mi)	<u>&gt;25</u>

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning approved March 22, 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
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 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.

Attachment 1  
eMap – Location Map

The screenshot shows an eMap application interface. At the top, there are tabs for 'Map', 'eFacts Query', and 'Advanced Query'. Below the tabs are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar contains various navigation icons. On the right, a 'Locate Latitude and Longitude' dialog is open, showing input fields for Latitude (40, 40, 28.56) and Longitude (-79, 57, 35.53) in DD/MM/SS format, with 'Locate' and 'Close' buttons. A data popup for 'PA Historic Streams (1 of 5)' is displayed over the map, listing details for 'Trib 63673 To South Branch Glade Run'. The map shows a network of roads and streams, with a yellow 'X' marker indicating the selected location. A scale bar at the bottom left shows 0, 0.1, and 0.2 miles. The ESRI logo is visible in the bottom right corner.

Map eFacts Query Advanced Query

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude: Degrees Minutes Seconds  
40 40 28.56

Longitude: -79 57 35.53

Locate Close

PA Historic Streams (1 of 5)

Name: Trib 63673 To South Branch Glade Run  
Net Streams: 89590  
Shed: 20C  
Named: 0  
Rec No: 89590  
Seg ID: 63673\_1.5274\_1.9438  
Seg ID Old: 63673\_1.5274\_1.9438  
From Node: 68669  
To Node: 68426  
Down River Mile: 1.527379  
Up River Mile: 1.943844  
WRDS: 63673  
Strahler: 1

Latitude: 40.6746 - Longitude: -79.0917

Zoom to

0 0.1 0.2mi

POWERED BY esri

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

