

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0289353
APS ID 1037362
Authorization ID 1351578

Applicant, Facility and Project Information

Applicant Name	<u>Penny Mackey</u>	Facility Name	<u>Penny Mackey SRSTP</u>
Applicant Address	<u>73 Oil Valley Road</u> <u>Duke Center, PA 16729-9633</u>	Facility Address	<u>73 Oil Valley Road</u> <u>Duke Center, PA 16729-9633</u>
Applicant Contact	<u>Penny Mackey</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 366-0006</u>	Facility Phone	<u></u>
Client ID	<u>362558</u>	Site ID	<u>845354</u>
SIC Code	<u>8800</u>	Municipality	<u>Otto Township</u>
SIC Description	<u>Private Households</u>	County	<u>McKean</u>
Date Application Received	<u>March 30, 2021</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u>4221402</u>
Project Description	<u>.</u>		

Summary of Review

This is a new discharge of a single residence sewage treatment plant (SRSTP) that will replace a malfunctioning on-lot system located at 73 Oil Valley Road.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 4221402): A 1000-gallon dual compartment septic tanks with Zabel A300 effluent filter and alarm followed by an EC7-500-C-P Coco filter unit with integrated pump and UV disinfection.

The EPA Waiver is in effect.

Planning approval is dated December 3, 2020 for a 400-GPD SRSTP.

There are no open violations in WMS for the subject Client ID (362558) as of May 3, 2021.

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		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	May 3, 2021

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>41° 57' 39.28"</u>	Longitude	<u>-78° 28' 48.64"</u>
Quad Name	<u>Eldred</u>	Quad Code	<u>41078H4</u>
Wastewater Description: <u>Treated sewage from a single family residence</u>			
Receiving Waters	<u>Unnamed Tributary to Knapp Creek (CWF)</u>	Stream Code	<u>57553</u>
NHD Com ID	<u>112364879</u>	RMI	<u>0.1800</u>
Drainage Area	<u>---</u>	Yield (cfs/mi ²)	<u>---</u>
Q ₇₋₁₀ Flow (cfs)	<u>---</u>	Q ₇₋₁₀ Basis	<u>---</u>
Elevation (ft)	<u>1626 (approximate)</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-C</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>---</u>		<u>---</u>
Temperature (°F)	<u>---</u>		<u>---</u>
Hardness (mg/L)	<u>---</u>		<u>---</u>
Other:	<u>---</u>		<u>---</u>
Nearest Downstream Public Water Supply Intake	<u>New York State Line</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>---</u>
PWS RMI	<u>264.45</u>	Distance from Outfall (mi)	<u>13.09</u>

Changes Since Last Permit Issuance: N/A – This is a proposed facility.

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 Ecoflo Coco filter unit.

The Premier Tech Ecoflo Coco filter unit is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

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, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

eMAP – Discharge Location with Stream Designation

The screenshot displays the Pennsylvania eMapPA web application interface. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and navigation links for PA State Agencies, Online Services, and Governor Tom Wolf are on the right. The main map area shows an aerial view of a stream with a yellow 'X' marking a discharge location. The stream is color-coded according to its designation: Cold Water Fish (light blue), Exceptional Value (pink), High Quality (dark blue), Trout Stocking (yellow), and Warm Water Fish (green). A legend on the left side of the map provides a key for these designations, distinguishing between Existing Use Streams and Designated Use Streams. The legend also includes categories for County Boundaries and Municipalities. A 'Locate Latitude and Longitude' pop-up window is visible on the right, showing the coordinates for the marked location: Latitude 41° 57' 39.14" and Longitude -78° 28' 48.41". The map includes a scale bar (0 to 200 feet) and an ESRI logo in the bottom right corner. The footer text reads: 'Imagery: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, 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'.

Google Earth – Aerial Imagery of Project Location

