

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0291366
APS ID 1073786
Authorization ID 1414265

Applicant, Facility and Project Information

Applicant Name	<u>Mary Ann Dalessio</u>	Facility Name	<u>Mary Ann Dalessio SRSTP</u>
Applicant Address	<u>18020 Tryonville Street</u> <u>Centerville, PA 16404-1138</u>	Facility Address	<u>18020 Tryonville Street</u> <u>Centerville, PA 16404-1138</u>
Applicant Contact	<u>Mary Ann Dalessio</u>	Facility Contact	<u>Jerry Kalkbrenner</u>
Applicant Phone	<u>(814) 654-7303</u>	Facility Phone	<u>(814) 654-7303</u>
Client ID	<u>373145</u>	Site ID	<u>858605</u>
SIC Code	<u>8800</u>	Municipality	<u>Centerville Borough</u>
SIC Description	<u>Private Households</u>	County	<u>Crawford</u>
Date Application Received	<u>October 5, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2022414</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.

Act 537 Sewage Facilities Planning Module Component 3s was approved 9/29/2022

Proposed treatment will consist of (WQM Permit No. 2022414): A Premier Tech EC7-500-P-P-PACK Coco Filter unit with integrated UV ultraviolet (UV) disinfection unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (373145) as of 1/24/2023. 1/31/2023 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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	January 24, 2023
X		Chad W. Yurisc, P.E. Chad W. Yurisc, P.E. / Environmental Engineer Manager	January 31, 2023

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41° 43' 35.59"	Longitude	-79° 45' 53.64"
Quad Name	Centerville	Quad Code	41079F7
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Oil Creek (CWF)	Stream Code	54495
NHD Com ID	100470675	RMI	0.1900
Drainage Area	0.32	Yield (cfs/mi ²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.032	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1302	Slope (ft/ft)	---
Watershed No.	16-E	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	7.0	Default	
Temperature (°F)	20	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Aqua Pennsylvania, Inc. - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1376
PWS RMI	90.0	Distance from Outfall (mi)	>25

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on September 29, 2022).

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
BOD ₅	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 an eMap application interface. At the top, there are tabs for 'Map', 'eFacts Query', 'Advanced Query', and 'Filter Plant Source Search'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar contains standard map navigation icons. A 'Locate Latitude and Longitude' dialog box is open in the top right, showing 'DD/MM/SS' format with Latitude: 41 43 40.36 and Longitude: -79 45 49.31. A pop-up window titled 'PA Historic Streams (1 of 6)' is open over a stream on the map, displaying the following metadata:

- Name:** Trib 54495 To Oil Creek
- Net Streams:** 105153
- Shed:** 16E
- Named:** 0
- Rec No:** 105153
- Seg ID:** 54495_0_1.2774
- Seg ID Old:** 54495_0_1.2774
- From Node:** 17002
- To Node:** 16320
- Down River Mile:** 0
- Up River Mile:** 1.277401
- WRDS:** 54495
- Strahler:** 1

The map shows a network of roads including Centerville Rd, Tours End Dr, Gilson St, Station Rd, and Lakewood Ln. A stream is highlighted in cyan, with a yellow 'X' marker and the text 'Latitude: 41.727878'. 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

