

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0295744  
APS ID 1108807  
Authorization ID 1475599

**Applicant, Facility and Project Information**

Applicant Name	<u>Bruce Lazar</u>	Facility Name	<u>Bruce Lazar SRSTP</u>
Applicant Address	<u>131 Miller Road</u> <u>Sarver, PA 16055-8932</u>	Facility Address	<u>131 Miller Road</u> <u>Sarver, PA 16055-8932</u>
Applicant Contact	<u>Bruce Lazar</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 316-2392</u>	Facility Phone	<u></u>
Applicant Email	<u>bruce.lazar@yahoo.com</u>		
Client ID	<u>384279</u>	Site ID	<u>868491</u>
SIC Code	<u>8800</u>	Municipality	<u>Clinton Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>February 2, 2024</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>March 19, 2024</u>	WQM App. No.	<u>1024405</u>
Project Description	<u>Installation of a new Single Residence Sewage Treatment Plant</u>		

**Summary of Review**

This is a new discharge for an existing 3 bedrooms residential dwelling with proposed construction of a single residence sewage treatment plant to replace a malfunctioning on-lot sewage system. The average daily flow is projected to be 400 GPD.

Proposed treatment will consist of (WQM Permit No. 1024405): A Premier Tech EC7-500-P-P Pack coco filter unit with an integrated DiUV unit and pump preinstalled by the manufacturer. The treated effluent will discharge into the tributary to Lardintown Run.

Act 14 – Proof of Notification was submitted and received.

Act 537 Sewage Facilities Planning Module Component 3s was approved by the department on January 29, 2024.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (384279) as of March 19, 2024.

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		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer	March 19, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 3/25/2024

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° 42' 21.32"</u>	Longitude	<u>-79° 49' 2.61"</u>
Quad Name	<u>Curtisville</u>	Quad Code	<u>40079F7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Lardintown Run (TSF)</u>	Stream Code	<u>42498</u>
NHD Com ID	<u>123971208</u>	RMI	<u>0.3300</u>
Drainage Area	<u>0.54 sq. mi.</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.054</u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>---</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>18-A</u>	Chapter 93 Class.	<u>TSF</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 (°F)	<u>---</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>New Kensington City Municipal Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>2,300</u>
PWS RMI	<u>21.0</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on January 29, 2024).

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 Premier Tech EC7-500-P-P Pack coco filter unit.

The Premier Tech EC7-500-P-P Pack 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 an 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
CBOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after UV disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for CBOD5, Total Suspended Solids are BPJ-based on the Department's "Small Flow Treatment Facilities Manual." Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Outfall Location - eMap with Aerial Imagery

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 state officials are on the right. The main map area shows aerial imagery with several stream segments overlaid in different colors. A legend on the left side categorizes streams by quality and use, such as 'Cold Water Fish' (green), 'High Quality' (blue), and 'Trout Stocking' (yellow). A popup window titled 'PA Historic Streams (1 of 4)' is open over a specific stream segment, displaying the following data:

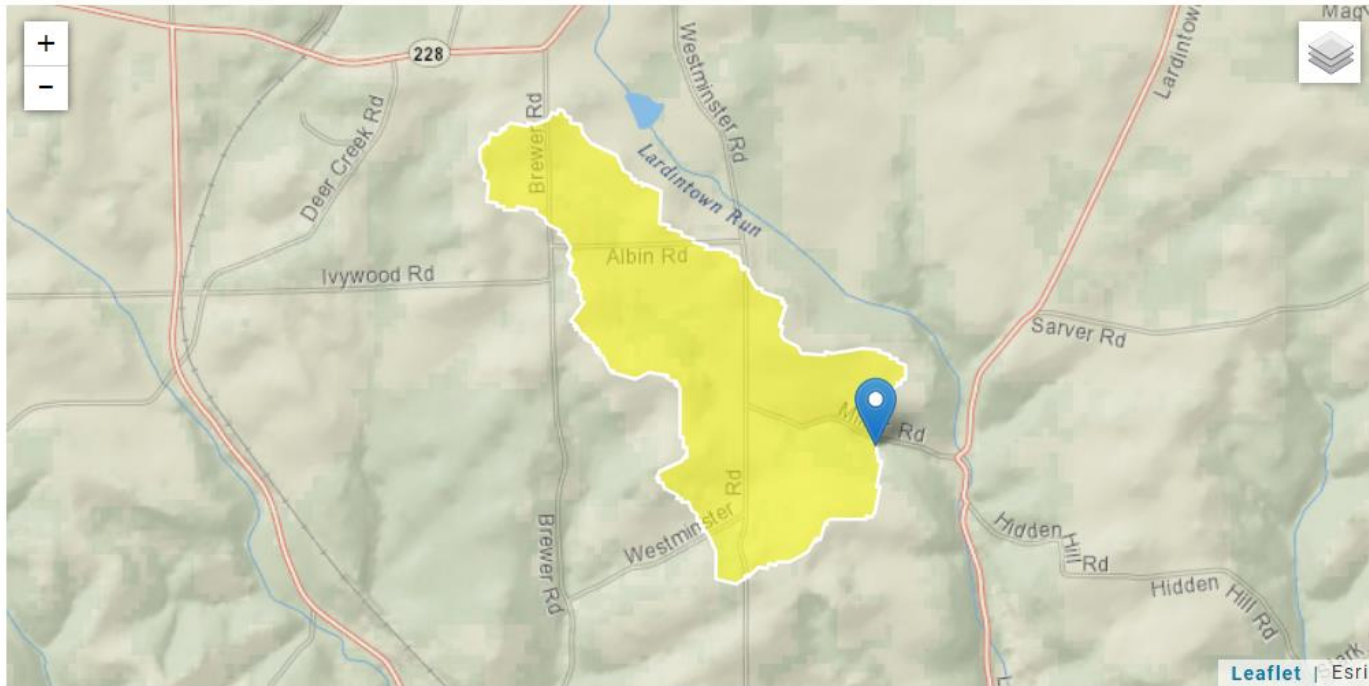
<b>Name:</b>	Trib 42498 To Lardintown Run
<b>Net Streams:</b>	73489
<b>Shed:</b>	18A
<b>Named:</b>	0
<b>Rec No:</b>	73489
<b>Seg ID:</b>	42498_0_1.3992
<b>Seg ID Old:</b>	42498_0_1.3992
<b>From Node:</b>	66652
<b>To Node:</b>	67323
<b>Down River Mile:</b>	0
<b>Up River Mile:</b>	1.399172
<b>WRDS:</b>	42498
<b>Strahler:</b>	1

Additional interface elements include a 'Locate Latitude and Longitude' form on the right with input fields for Degrees, Minutes, and Seconds for both Latitude (40, 42, 21.32) and Longitude (-79, 49, 2.61), and a scale bar at the bottom of the map area.

**Drainage Area Location – StreamStats with Aerial Imagery**

StreamStats Report

Region ID: PA  
Workspace ID: PA20240319183305014000  
Clicked Point (Latitude, Longitude): 40.70596, -79.81741  
Time: 2024-03-19 14:33:27 -0400



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.54	square miles