

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0291412
APS ID 1075359
Authorization ID 1417003

Applicant, Facility and Project Information

Applicant Name	<u>Aleksandar Buntic</u>	Facility Name	<u>Aleksandar Buntic SRSTP</u>
Applicant Address	<u>3420 Alpine Drive</u> <u>Erie, PA 16506-2464</u>	Facility Address	<u>9656 Sampson Road</u> <u>Erie, PA 16509-5708</u>
Applicant Contact	<u>Aleksandar Buntic</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 520-6385</u>	Facility Phone	<u></u>
Email	<u>ab@mvpower.us</u>		<u></u>
Client ID	<u>373579</u>	Site ID	<u>859417</u>
SIC Code	<u>8800</u>	Municipality	<u>Greene Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>November 9, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>11/21/2022</u>	WQM App. No.	<u>2522438</u>
Project Description	<u>Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge from an existing 3-bedroom home.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 2522438): Premier Tech ECOFLO Model EC-500-P-P-PACK COCO Filter with integral DiUV disinfectant and effluent pump.

SPECIAL CONDITIONS: None.

The EPA Waiver is in effect.

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 Trainee	November 21, 2022
X		Adam J. Pesek (Lead Reviewer) for Vacant / Environmental Engineer Manager	December 2, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>42° 3' 14.67"</u>	Longitude	<u>-79° 58' 35.09"</u>
Quad Name	<u>Hammett</u>	Quad Code	<u>42079A8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to East Branch LeBoeuf Creek</u>	Stream Code	<u>53552</u>
NHD Com ID	<u>127349210</u>	RMI	<u>2.72</u>
Drainage Area	<u>0.72 square miles</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.072</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1306</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-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>Not Assessed</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	
Temperature (°F)	<u>25</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u></u>		
Nearest Downstream Public Water Supply Intake	<u>Cambridge Springs Borough</u>		
PWS Waters	<u>French Creek</u>	Flow at Intake (cfs)	<u>51.45</u>
PWS RMI	<u>48.35</u>	Distance from Outfall (mi)	<u>37.83 (approximate)</u>

Changes Since Last Permit Issuance: N/A - This is a proposed discharge (Planning was approved on October 31, 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 Premier Tech EC7-500-C-P Ecoflo Coco filter.

The Premier Tech EC7-500-C-P Ecoflo Coco filter 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
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 UV 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 the Department's "Small Flow Treatment Facilities Manual." The limits for pH are technology-based on Chapter 93.7.

Outfall

The screenshot displays the eMapPA web application interface. On the left is a legend with categories: Regulated Facilities and Related Information, Streams and Water Resources (Surface Water Related, PA Historic Streams), Water Quality (Existing Use Streams, Designated Use Streams), and Boundaries (County, Municipalities, 7.5 Minute Quad). The main map area shows aerial imagery with a cyan line representing a stream. A popup window titled "Designated Use Streams (1 of 4)" is open, displaying the following data:

Designated Use Gen ID:	16377
GNIS Name:	
GNIS ID:	
ReachCode:	05010004002944
COMID:	127349494
Length Miles:	0.072
Map Symbology:	TSF
Length Miles:	0.072
Designated Use:	10
DES Use ID:	7
Use Description:	TSF(TROUT STOCKING)
Migratory_Fish:	N
HUC:	05010004
Basin:	N
Basin Narrative:	Null
Segment Narrative:	Null
Evaluation Date:	Null
Zoom to:	

At the top right of the map area, there is a "Locate Latitude and Longitude" form with input fields for Degrees, Minutes, and Seconds for both Latitude (42, 3, 14.67) and Longitude (-79, 58, 35.09). The map interface includes a toolbar with navigation tools and a scale bar at the bottom left. The footer contains attribution text for imagery and streets data sources.

Location - eMap with Aerial Imagery