

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0291455  
APS ID 1075706  
Authorization ID 1417613

**Applicant, Facility and Project Information**

Applicant Name	<u>Stephen Bacher</u>	Facility Name	<u>Stephen Bacher SRSTP</u>
Applicant Address	<u>1450 State Route 157</u> <u>Oil City, PA 16301-4334</u>	Facility Address	<u>1450 State Route 157</u> <u>Oil City, PA 16301-4334</u>
Applicant Contact	<u>Stephen Bacher</u>	Facility Contact	<u>Stephen Bacher</u>
Applicant Phone	<u>(814) 657-4829</u>	Facility Phone	<u>(814) 657-4829</u>
Client ID	<u>373704</u>	Site ID	<u>859474</u>
SIC Code	<u>8800</u>	Municipality	<u>Cranberry Township</u>
SIC Description	<u>Private Households</u>	County	<u>Venango</u>
Date Application Received	<u>November 16, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>November 23, 2022</u>	WQM App. No.	<u>6122407</u>
Project Description	<u>Application for a new NPDES permit for discharge of treated sewage</u>		

**Summary of Review**

PremierTech Aqua Ecoflo Coco Filter Wastewater Treatment System (EC7 500 P-P-PACK) with designed effluent flow of 400 gallons per day. The system will also have a DiUV unit and a Zabel A3000 effluent filter installed. The system will serve a two-bedroom single family residence with two full-time occupants.

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		<i>Brett Steers</i> Brett Steers / Project Manager	January 3, 2023
X		<i>Maria Schumack</i> Maria L Schumack / Environmental Engineer Consultant	January 3, 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>41° 23' 48"</u>	Longitude	<u>-79° 37' 15"</u>
Quad Name	<u>Oil City</u>	Quad Code	<u>0709</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Horse Creek (CWF)</u>	Stream Code	<u>104931</u>
NHD Com ID	<u>100476623</u>	RMI	<u>0.0800</u>
Drainage Area	<u>12.6 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.044</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.562</u>	Q <sub>7-10</sub> Basis	<u>StreamStats</u>
Elevation (ft)	<u>1456 ft</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>16-E</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>None</u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	<u></u>
Temperature (°F)	<u>20</u>	Default temp. for a CWF stream	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Parker Area Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>4710</u>
PWS RMI	<u>0.37</u>	Distance from Outfall (mi)	<u>52</u>

Changes Since Last Permit Issuance: Not applicable; new permit

**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). The effluent limitations for BOD<sub>5</sub> and TSS are derived from the Small Flow Treatment Facilities Manual (362-0300-002). The effluent limitations for fecal coliform are derived from PA Code Title 25 § 92a.47(4). The effluent limitations for pH are derived from PA Code Title 25 § 93.7. The reporting of the annual average flow has been included to quantify the effluent discharge.

**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
BOD <sub>5</sub>	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 disinfection