

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0222810  
APS ID 809945  
Authorization ID 1301762

**Applicant, Facility and Project Information**

Applicant Name	<u>Brian G. Pitell</u>	Facility Name	<u>Brian G. Pitell SRSTP</u>
Applicant Address	<u>707 Little Creek Road</u> <u>Evans City, PA 16033</u>	Facility Address	<u>707 Little Creek Road</u> <u>Evans City, PA 16033</u>
Applicant Contact	<u>Brian G. Pitell</u>	Facility Contact	<u>Brian G. Pitell</u>
Applicant Phone	<u>(724) 713-6135</u>	Facility Phone	<u>(724) 713-6135</u>
Client ID	<u>268046</u>	Site ID	<u>483188</u>
SIC Code	<u>8800</u>	Municipality	<u>Connoquenessing Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler County</u>
Date Application Received	<u>January 13, 2020</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>January 15, 2020</u>	WQM App. No.	<u>-</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

**Summary of Review**

Act 14 - Proof of Notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

**I. OTHER REQUIREMENTS:**

- |  |                                 |
|--|---------------------------------|
| A. AMRs  | F. Stormwater into sewers       |
| B. DMRs  | G. Right of way                 |
| C. Depth of Septage and Scum Measurement           | H. Solids handling              |
| D. Septic Tank Pumping                             | I. Public Sewerage Availability |
| E. Effluent Chlorine Optimization and Minimization |                                 |

SPECIAL CONDITIONS: None.

Permitted treatment consists of: A Chromaglass CA-5 package aeration system with a small backwashing sand filter and tablet chlorine disinfection.

There are no open violations in efacts associated with the subject Client ID (268046) as of 4/9/2020.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	4/9/2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	April 13, 2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 49' 58.0"</u>	Longitude	<u>-80° 02' 52.0"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to the Little Connoquenessing Creek (CWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>126218448</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>Cold Water Fishes</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>Final, 4/9/2009</u>	Name	<u>Little Connoquenessing Creek Watershed</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>Harmony Borough Water Authority</u>	
PWS Waters	<u>Little Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>2.0</u>
PWS RMI	<u>1.1</u>	Distance from Outfall (mi)	<u>6.5</u>

This SRSTP does not qualify for a PAG-04 General NPDES Permit due to the use of a Chromaglass CA-5 package treatment system. In addition, it was constructed prior to the development of the SFTF Manual, which is why the limits are less restrictive than the typical values in the SOP for SRSTPs.

No modeling was performed for this NPDES Permit renewal as Chromaglass CA-5 package treatment systems are capable of meeting CBOD<sub>5</sub> and TSS averages of 10 mg/l, which are less than the inputs of the WQ model.

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.

**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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
BOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/year	Grab
TSS	XXX	XXX	XXX	25.0	XXX	50.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Flow and TRC are monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD<sub>5</sub>, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.