

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0254631  
APS ID 835181  
Authorization ID 1320692

**Applicant, Facility and Project Information**

Applicant Name	<u>Christopher Carpin</u>	Facility Name	<u>Christopher Carpin SRSTP</u>
Applicant Address	<u>3715 Williams Road</u> <u>Erie, PA 16510</u>	Facility Address	<u>3715 Williams Road</u> <u>Erie, PA 16510</u>
Applicant Contact	<u>Christopher Carpin</u>	Facility Contact	<u>Christopher Carpin</u>
Applicant Phone	<u>(814) 504-8880</u>	Facility Phone	<u>(814) 504-8880</u>
Client ID	<u>321182</u>	Site ID	<u>809518</u>
SIC Code	<u>8800</u>	Municipality	<u>Harborcreek Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie County</u>
Date Application Received	<u>June 2, 2020</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>June 2, 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 1,000 gallon dual compartment septic tank with an effluent filter, an Ecoflo STB 570 PR peat filter, and a Salcor 3G ultraviolet (UV) light disinfection unit.

There are no open violations in efacts associated with the subject Client ID (321182) as of 5/26/2021.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	5/26/2021
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	5/26/2021

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	42° 8' 47.50"	Longitude	-79° 56' 56.98"
Quad Name	-	Quad Code	-
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to the Sevenmile Creek (CWF, MF)	Stream Code	N/A
NHD Com ID	123923715	RMI	N/A
Drainage Area	-	Yield (cfs/mi <sup>2</sup> )	-
Q <sub>7-10</sub> Flow (cfs)	-	Q <sub>7-10</sub> Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	15-A	Chapter 93 Class.	CWF, MF
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)	-		-
Temperature (°F)	-		-
Hardness (mg/L)	-		-
Other:	-		-
Nearest Downstream Public Water Supply Intake		Lake Erie	
PWS Waters	Lake Erie	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	1.3

This SFTF 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 an Ecoflo STB 570 PR peat filter.

No modeling was performed for this NPDES Permit renewal as septic tank systems using an Ecoflo STB 570 PR peat filter have been shown to be 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	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report SEMI 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	20.0	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 Ultraviolet (UV) light disinfection.

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