

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264245
APS ID 883418
Authorization ID 1094902

Applicant, Facility and Project Information

Applicant Name	<u>Howard Carlson</u>	Facility Name	<u>Howard Carlson SRSTP</u>
Applicant Address	<u>1523 Valentine Run Road</u> <u>Russell, PA 16345</u>	Facility Address	<u>1523 Valentine Run Road</u> <u>Russell, PA 16345</u>
Applicant Contact	<u>Howard Carlson (scsc13@verizon.net)</u>	Facility Contact	<u>Howard Carlson (scsc13@verizon.net)</u>
Applicant Phone	<u>(814) 757-8570</u>	Facility Phone	<u>(814) 757-8570</u>
Client ID	<u>323623</u>	Site ID	<u>810948</u>
SIC Code	<u>8800</u>	Municipality	<u>Farmington Township</u>
SIC Description	<u>Private Households</u>	County	<u>Warren County</u>
Date Application Received	<u>October 15, 2021</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>October 15, 2021</u>	WQM App. No.	<u>-</u>
Project Description	<u>Renewal of an NPDES Permit for a 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 will consist of: A 1,000-gallon dual compartment septic tank with an effluent filter, an Ecoflo STP 570PR peat filter with a built in pump, and a Salcor 3G Ultraviolet (UV) light disinfection unit.

There are no open violations in EFACTS for Client ID 323623 as of 8/11/2022.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	8/11/2022
X		Adam J. Pesek (Lead Reviewer) Vacant / Environmental Engineer Manager	8/18/2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 55' 16.27"	Longitude	-79° 10' 45.51"
Quad Name		Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Rhine Run (CWF)	Stream Code	56359
NHD Com ID	129446813	RMI	0.8800
Drainage Area	-	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	-	Q ₇₋₁₀ Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-B	Chapter 93 Class.	CWF
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		-	
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

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.

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 STP 570PR peat filter.

No modeling was performed since this is an application for an NPDES Permit for a septic tank / peat filter system, which have been shown to be capable of meeting BOD5 and TSS limits below the inputs of the WQ model.

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) 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	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	Upon Request	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	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 pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are BPJ based on the Department's "Small Flow Treatment Facilities Manual."