

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0288578  
APS ID 1019560  
Authorization ID 1320020

**Applicant, Facility and Project Information**

Applicant Name	<u>Steven McNeil</u>	Facility Name	<u>Steven McNeil SRSTP</u>
Applicant Address	<u>2093 Mapleview Road</u> <u>Brookville, PA 15825</u>	Facility Address	<u>1295 Slalom Run Road</u> <u>Clarion, PA 16214</u>
Applicant Contact	<u>Steven McNeil</u>	Facility Contact	<u>Steven McNeil</u>
Applicant Phone	<u>(814) 715-9078</u>	Facility Phone	<u>(814) 715-9078</u>
Client ID	<u>357403</u>	Site ID	<u>823680</u>
SIC Code	<u>8800</u>	Municipality	<u>Clarion Township</u>
SIC Description	<u>Private Households</u>	County	<u>Clarion</u>
Date Application Received	<u>June 9, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>July 13, 2020</u>	WQM App. No.	<u>1620404</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

**Summary of Review**

The project involves the installation of a new 400 gpd single residence sewage treatment system for a 3-bedroom home.

Planning revision approval (Module Code No. K6-16-036) was issued for the entire Hemlock Acres SRSTP Development on August 7, 2017.

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 REQUIRMENTS

A. AMRs	F. Stormwater into Sewers
B. DMRs	G. Right of Way
C. Depth of Septage and Scum Management	H. Solids Handling
D. Septic Tank Pumping	I. Public Sewerage Availability
E. Chlorine Optimization	

SPECIAL CONDITIONS: None

Proposed treatment will consist of (WQM Permit No. 1620404) a new 1000-gallon dual compartment concrete septic tank, an EC7-500-C-P Coco Filter with integrated pump and DiUV ultraviolet disinfection, where the treated effluent will discharge to a 500-gallon pump tank, which pumps the effluent to a manhole discharging into Unnamed Tributary 49701 (CWF) to Clarion River (WWF).

There are no open violations in WMS for the subject client ID (357403) as of 7/17/2020.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer Trainee	July 17, 2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	July 21, 2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41° 12' 55.63"	Longitude	-79° 20' 42.20"
Quad Name	Strattanville	Quad Code	0911
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary 49701 (CWF) to Clarion River	Stream Code	49701
NHD Com ID	102670293	RMI	0.1
Drainage Area	0.37 mi <sup>2</sup>	Yield (cfs/mi <sup>2</sup> )	0.0411
Q <sub>7-10</sub> Flow (cfs)	0.0152	Q <sub>7-10</sub> Basis	Streamstats
Elevation (ft)	1160 (Google Earth)	Slope (ft/ft)	-
Watershed No.	17-B	Chapter 93 Class.	Cold Water Fishes
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	METALS, PH		
Source(s) of Impairment	ACID MINE DRAINAGE, ACID MINE DRAINAGE		
TMDL Status	Name		
Background/Ambient Data	Data Source		
pH (SU)	-	-	
Temperature (°F)	-	-	
Hardness (mg/L)	-	-	
Other:	-	-	
Nearest Downstream Public Water Supply Intake	PA American Water Co. - Clarion		
PWS Waters	Clarion River	Flow at Intake (cfs)	90.7
PWS RMI	33.3	Distance from Outfall (mi)	1.9

Changes Since Last Permit Issuance: N/A

Other Comments: This Treatment system is capable of meeting effluent limits.

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 (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 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 Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "upon request" due to CWF stream designation.



