

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0288756
APS ID 1024109
Authorization ID 1328502

Applicant, Facility and Project Information

Applicant Name	<u>Bonnie Vaughn</u>	Facility Name	<u>Bonnie Vaughn SRSTP</u>
Applicant Address	<u>2175 Buckhorn Road</u> <u>Knox, PA 16232-7509</u>	Facility Address	<u>2267 Buxton Road</u> <u>Titusville, PA 16354-7409</u>
Applicant Contact	<u>Bonnie Vaughn</u>	Facility Contact	<u>Bonnie Vaughn</u>
Applicant Phone	<u>(814) 782-3208</u>	Facility Phone	<u>(814) 782-3208</u>
Client ID	<u>358692</u>	Site ID	<u>841601</u>
SIC Code	<u>8800</u>	Municipality	<u>Cherrytree Township</u>
SIC Description	<u>Private Households</u>	County	<u>Venango</u>
Date Application Received	<u>September 25, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>October 5, 2020</u>	WQM App. No.	<u>6120404</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.

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. 6120404) a new Premier Tech EC7-500-P-P PACK Coco Filter Unit with integrated septic tank, DiUV disinfection, and pumping, where the treated effluent will discharge into a drainage swale on the owners property into Cherrytree Run (CWF).

There are no open violations in WMS for the subject client ID (358692) as of 10/05/2020.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer Trainee	October 5, 2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	October 7, 2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41° 34' 17.58"	Longitude	-79° 42' 15.34"
Quad Name	Titusville South	Quad Code	0608
Wastewater Description: Sewage Effluent			
Receiving Waters	Cherrytree Run (CWF)	Stream Code	54149
NHD Com ID	100474109	RMI	7.5
Drainage Area	0.34	Yield (cfs/mi ²)	0.0356
Q ₇₋₁₀ Flow (cfs)	0.0121 (Streamstats)	Q ₇₋₁₀ Basis	-
Elevation (ft)	1516 (Google Earth)	Slope (ft/ft)	-
Watershed No.	16-E	Chapter 93 Class.	Cold Water Fishes
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)	-

Changes Since Last Permit Issuance: N/A

Other Comments: This treatment facility 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: /DMR EFFECTIVE DATE MONTH through /DMR EXPIRATION DATE MONTH.

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	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.



