

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0290858
APS ID 1065579
Authorization ID 1399955

Applicant, Facility and Project Information

Applicant Name	<u>Matthew Vargason</u>	Facility Name	<u>Matthew Vargason SRSTP</u>
Applicant Address	<u>138 Turkey Farm Road</u> <u>Titusville, PA 16354</u>	Facility Address	<u>138 Turkey Farm Road</u> <u>Titusville, PA 16354</u>
Applicant Contact	<u>Matthew Vargason</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 564-9025</u>	Facility Phone	<u></u>
Applicant E Mail	<u>mattvarg@gmail.com</u>	Facility E Mail	<u></u>
Client ID	<u>370625</u>	Site ID	<u>856393</u>
Municipality	<u>Cherrytree Township</u>	County	<u>Venango</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Date Application Received	<u>June 9, 2022</u>	WQM Required	<u>pending</u>
Date Application Accepted	<u>June 23, 2022</u>	WQM App. No.	<u>6122402</u>
Project Description	<u>New treated sewage discharge from an existing residence.</u>		

Summary of Review

Three-bedroom design for 400-gpd and 1.1-ppd BOD5.

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.

Approve	Deny	Signatures	Date
X		<i>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	June 23, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. Environmental Engineer Manager	July 5, 2022

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 34' 9.26"</u>	Longitude	<u>-79° 41' 22.96"</u>
Latitude	<u>41° 34' 13.94"</u>	Longitude	<u>-79° 41' 33.20"</u>
Quad Name	<u>Titusville South</u>	Quad Code	<u>0608</u>
Wastewater Description: <u>Treated single residence domestic wastes</u>			
Receiving Waters	<u>Unnamed Tributary to Cherrytree Run</u>	Stream Code	<u>unknown</u>
NHD Com ID	<u>100474119</u>	RMI	<u>0.14</u>
Drainage Area	<u>24.7-acres 0.04 -square mile</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry swale</u>
Elevation (ft)	<u>1512.80</u>	Slope (ft/ft)	<u>0.04735</u>
Watershed No.	<u>16-E</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>statewide</u>	Existing Use Qualifier	<u>none</u>
Exceptions to Use	<u>none</u>	Exceptions to Criteria	<u>none</u>
Comments	<u>Swale confluence with intermittent tributary 54177 at node RMI 0.23 above tributary 541878. Perennial stream at Cherrytree Run confluence at RMI 7.5856 Drainage 1.39-square mile and Elevation 1450.21 feet.</u>		
Assessment Status	<u>Attaining Use(s)</u>		
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	<u>Aqua PA Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>NA</u>
PWS RMI	<u>90.57</u>	Distance from Outfall (mi)	<u>46.62</u>

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) ⁽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	20.0	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: 001 after disinfection

Other Comments: See AMR for UV requirements