

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0112631  
APS ID 1064945  
Authorization ID 1398900

**Applicant, Facility and Project Information**

Applicant Name	<u>Allen Wargo</u>	Facility Name	<u>Wargo SRSTP</u>
Applicant Address	<u>1746 Old Reading Road</u> <u>Catawissa, PA 17820-8058</u>	Facility Address	<u>1746 Old Reading Road</u> <u>Catawissa, PA 17820-8058</u>
Applicant Contact	<u>Allen Wargo</u>	Facility Contact	<u>Allen Wargo</u>
Applicant Phone	<u>(570) 779-0372</u>	Facility Phone	<u>(570) 779-0372</u>
Client ID	<u>44912</u>	Site ID	<u>244550</u>
SIC Code	<u>6514</u>	Municipality	<u>Roaring Creek Township</u>
SIC Description	<u>Fin, Ins &amp; Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Columbia</u>
Date Application Received	<u>June 7, 2022</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>June 15, 2022</u>	WQM App. No.	<u>1977406</u>
Project Description	<u>Renewal of an existing NPDES permit for the discharge of treated sewage.</u>		

**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>Derek S. Garner</i> Derek S. Garner / Project Manager	May 4, 2023
X		<i>Nicholas W. Hartranft</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	May 5, 2023

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

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0003</u>
Latitude	<u>40° 52' 59.42"</u>	Longitude	<u>-76° 20' 18.39"</u>
Quad Name	<u>Shumans</u>	Quad Code	<u>1135</u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Unnamed Tributary to Roaring Creek</u>	Stream Code	<u>27515</u>
NHD Com ID	<u>65642357</u>	RMI	<u>0.11</u>
Drainage Area (mi <sup>2</sup> )	<u>4.74</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.33</u>
Q <sub>7-10</sub> Flow (cfs)	<u>1.58</u>	Q <sub>7-10</sub> Basis	<u>Streamgage No. 01468500</u>
Elevation (ft)	<u>987</u>	Slope (ft/ft)	<u>n/a</u>
Watershed No.	<u>05E</u>	Chapter 93 Class.	<u>High Quality Waters - Cold Water Fishes</u>
Existing Use	<u>n/a</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>n/a</u>	Exceptions to Criteria	<u>n/a</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>n/a</u>		
Source(s) of Impairment	<u>n/a</u>		
TMDL Status	<u>n/a</u>	Name	<u>n/a</u>

Nearest Downstream Public Water Supply Intake	<u>Danville Municipal Water Authority</u>		
PWS Waters	<u>Susquehanna River</u>	Flow at Intake (cfs)	<u>1,120</u>
PWS RMI	<u>138.16</u>	Distance from Outfall (mi)	<u>22</u>

**Facility Description**

The single residence sewage treatment plant (SRSTP) is covered under WQM Permit No. 1977406, issued November 11, 1977. The SRSTP consists of one 600-gallon NAYADIC SCIENCES, Model #6 aeration unit, one 630 sq. ft. sub-surface sand filter, and one 130-gallon chlorination unit. The original permit issued in 1977 required a 1,000-gallon septic tank instead of the aeration unit. The installation of an aeration tank in lieu of the septic tank was approved in February 1985.

**Compliance History**

Annual Maintenance Reports (AMRs) are being submitted in a timely manner. Minimum chlorine residuals are being obtained monthly per permit requirements.

The facility was most recently inspected by DEP on June 9, 2022. No violations were noted.

There are no open violations associated with the permittee.

**Development of Effluent Limitations and Monitoring Requirements**

The existing limits and monitoring requirements are based off of secondary treatment standards at 25 PA Code § 92a.47(a)(1) and 40 CFR § 133.102, and are less stringent than those recommended in the Small Flow Treatment Facilities Manual (362-0300-002, 12/2/2006). However, this facility predates the publication of the Manual and does not have any documented compliance concerns. Accordingly, it is recommended that the existing limits and monitoring requirements be retained as follows:

<b>Parameter</b>	<b>Limit (mg/l)</b>	<b>SBC</b>
BOD5	25	Annual Average
TSS	30	Annual Average
pH (S.U.)	6.0 – 9.0	Min – Max
Fecal Coliform (No./100 ml)	200 / 100 ml	Annual Average
Total Residual Chlorine	0.5	Average Monthly

**Existing Effluent Limitations and Monitoring Requirements**

The existing effluent limitations and monitoring requirements are as follows:

**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/year	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

**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)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
BOD5	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
TSS	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001