

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0253057
APS ID 1111307
Authorization ID 1480233

Applicant, Facility and Project Information

Applicant Name	<u>Anthony M Testa Jr</u>	Facility Name	<u>239 Roaring Run Road SRSTP</u>
Applicant Address	<u>239 Roaring Run Road</u> <u>Champion, PA 15622-3093</u>	Facility Address	<u>239 Roaring Run Road</u> <u>Champion, PA 15622-3093</u>
Applicant Contact	<u>Anthony Testa</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>(724) 593-1067</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>337066</u>	Site ID	<u>624730</u>
SIC Code	<u>6514</u>	Municipality	<u>Donegal Township</u>
SIC Description	<u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Westmoreland</u>
Date Application Received	<u>April 10, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>June 21, 2024</u>	WQM App. No.	<u></u>
Project Description	<u>Renewal Application for SRSTP facility</u>		

Summary of Review

This review is in response to a renewal application received on April 10, 2024. Ruth Testa owns a single residence 400 GPD sewage treatment plant in Donegal Township, Westmoreland County. NPDES Permit PA0253057 was previously issued by the Pennsylvania Department of Environmental Protection (DEP). The permit expired March 31, 2024. This permit doesn't qualify for a general permit because the discharge is to a high-quality stream.

WQM permit number 6506402 was issued on September 8, 2006 authorizing the construction of this facility which is consisting of:

- 2- 500 Gallon Septic Tanks
- One EcoFlo STB – 650 Biofilter,
- Effluent Lift pump and Tank
- UV Disinfection
- One 2" Diameter Pressure Outfall Pipe

The receiving stream, Roaring Run is currently classified as a high-quality Cold-Water Fishery (HQ-CWF), located in State Watershed No. 19-E

No AMRs have been received to date. Operations has been made aware of this missing document. A new AMR for the permittee to fill up and submit to DEP will be issued with the permit.

Approve	Deny	Signatures	Date
X		<i>Fahmida Amin</i> Fahmida Amin / Environmental Engineering Trainee	February 24, 2025
X		<i>MAHBUBA IASMIN</i> Mahbuba Iasmin, Ph.D., P.E./ Environmental Engineering Manager	March 3, 2025

Summary of Review

The permittee has complied with Act 14 notifications as evidenced by undated letters sent to Donegal Township and Westmoreland County.

Permit Issuance is recommended.

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.

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>.0004</u>
Latitude	<u>40 ° 4' 11.96"</u>	Longitude	<u>-79° 20' 40.51"</u>
Quad Name	<u>Seven Springs</u>	Quad Code	<u>40079A3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Roaring Run (HQ-CWF)</u>	Stream Code	<u>38383</u>
NHD Com ID	<u>69915393</u>	RMI	<u>0.87</u>
Drainage Area	<u>9.27</u>	Yield (cfs/mi ²)	<u>0.0203</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.189</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>2395</u>	Slope (ft/ft)	
Watershed No.	<u>19-E</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status	<u>Final, Final</u>	Name	<u>Roaring Run, Roaring Run watershed</u>
Background/Ambient Data		Data Source	
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake	<u>Indian Creek Valley Water Authority</u>		
PWS Waters	<u>Indian Creek</u>	Flow at Intake (cfs)	<u>0.4 MGD</u>
PWS RMI	<u>4.98</u>	Distance from Outfall (mi)	<u>16.44</u>

Changes Since Last Permit Issuance: Updated Q₇₋₁₀ Flow, Elevation, Drainage area, Yield and slope values were generated based on USGS stream stat.

Treatment Facility Summary				
Treatment Facility Name: 239 Roaring Run Road SRSTP				
WQM Permit No.		Issuance Date		
6506402		09/08/2006		
6506402		03/06/2019		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary With Ammonia Reduction	Septic Tank Sand Filter	Ultraviolet	0.0004
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0005	0.7	Not Overloaded	Holding Tank	Other WWTP

Compliance History	
Summary of DMRs:	No limit violation were notices
Summary of Inspections:	Per the operations inspection report they did on April 1 st 2024, No Violations were noticed.

Other Comments:

Operations Compliance Check Summary Report

Facility: TESTA PROP SRSTP

NPDES Permit No.: PA0253057

Compliance Review Period: 11/1/19-11/25/24

Inspection Summary:

INSPECTED DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC	INSPECTION COMMENT
04/01/2024	Routine/Partial Inspection	PA Dept of Environmental Protection	No Violations Noted	
02/29/2024	Administrative/File Review	PA Dept of Environmental Protection	No Violations Noted	DMR and AMR review for CEI IR
02/29/2024	Compliance Evaluation	PA Dept of Environmental Protection	Violation(s) Noted	
04/08/2021	Compliance Evaluation	PA Dept of Environmental Protection	No Violations Noted	

Violation Summary:

VIOLATION DATE	VIOLATION TYPE	VIOLATION TYPE DESC	RESOLVED DATE
02/29/2024	92A.75(A)	NPDES - Failure to submit NPDES renewal application at least 180 days prior to expiration or later approved date	03/08/2024

Open Violations by Client ID:

No open violations for Client ID 337066

Enforcement Summary:

ENF TYPE	ENF TYPE DESC	EXECUTED DATE	VIOLATIONS	ENF FINAL STATUS	ENF CLOSED DATE
NOV	Notice of Violation	03/08/2024	92A.75(A)	Comply/Closed	11/25/2024

Effluent Violation Summary:

N/A

Compliance Status: Facility is generally in compliance with no open violations or pending enforcements.

Completed by: Amanda Illar Completed date: 11/25/24

Development of Effluent Limitations

Outfall No.	001	Design Flow (MGD)	.0296
Latitude	40 ° 4' 11.96"	Longitude	-79° 20' 40.51"
Wastewater Description:	Sewage Effluent		

Technology-Based Limitations

The following effluent limitations and monitoring requirements, at a minimum, will be established in all new and renewed SFTF permits based on the requirements of DEP's Standard Operating Procedure (SOP) for *New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application* [SOP No. BCW-PMT-003 Version 1.8].

Parameter	Avg	IMAX	Sample Type	Frequency: SFTFs	Frequency: SRSTPs
Flow (GPD)	Report	XXX	Estimate (SRSTPs) Measured (SFTFs)	1/month	1/year
BOD5 (mg/L)	10	20	Grab	1/month	1/year
TSS (mg/L)	10	20	Grab	1/month	1/year
pH*	6.0 S.U. Inst. Min.	9.0 S.U.	Grab	1/month	1/year
TRC (mg/L)	Report for SRSTPs; Use TRC Spreadsheet to determine WQBELs or 0.02 mg/L for SFTFs		Grab	1/month	1/month
Fecal Coliform (No./100 ml)	200 Geometric Mean (SFTFs) / Average (SRSTPs)		Grab	1/month	1/year

* Technology-Based effluent limits for pH will be imposed based upon Federal Regulation 133.102(c) and State Regulation 95.2(1).

Please note that the winter fecal coliform limit previously imposed is being removed and a year-round fecal coliform limit of 200 cfu/100 mL is being imposed in accordance with DEP's SOP for *New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application* [SOP No. BCW-PMT-003 Version 1.8].

Comments: This is a SRSTP with UV disinfection. The facility will not be required to measure TRC due to the absence of chlorination facilities.

Anti-Degradation Best Available Combination of Technology (ABACT) TBELs

Outfall 001 discharges to Tributary 38383 of Roaring Run is a HQ-CWF stream. The discharge for this SRSTP is a treated residential sewage flow of 400 GPD.

The following Antidegradation Best Available Combination of Technologies (ABACT) effluent limits, at a minimum, will be established based on the requirements in Chapter 9 and Appendix B of DEP's "Water Quality Antidegradation Implementation Guidance" (Doc. No. 391-0300-002; November 29, 2003).

Parameter	Treatment Process Performance Expectations (mg/L)		
	<2,000 gpd	2,000-50,000 gpd	>50,000 gpd
CBOD ₅ (May 1 – Oct. 31)	10	10	10
CBOD ₅ (Nov. 1 – Apr. 30)	20	20	10
Suspended Solids	20	10	10
NH ₃ -N (May 1 – Oct. 31)	5.0	3.0	1.5
NH ₃ -N (Nov. 1 – Apr. 30)	15.0	9.0	4.5
Effective disinfection	Disinfection should be accomplished using a method that leaves no detectable residual. Disinfection using ultra-violet light or other non-chlorine based systems is encouraged and must be considered.		
Other parameters, as needed	<i>Determined by the size and characteristics of the proposed discharge, may include – NO₂/NO₃-N, Total Phosphorus, Copper, Lead, Zinc</i>		

Water Quality-Based Limitations

Based on the updated Q₇₋₁₀ Flow reviewed SOP renewal information application; No changes are anticipated for this review. And previous limitations are valid for this renewal.

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	0.0004	XXX	XXX	XXX	XXX	XXX	1/6 months	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/6 months	Grab
CBOD5 Nov 1 - Apr 30	XXX	XXX	XXX	20	XXX	40	1/6 months	Grab
CBOD5 May 1 - Oct 31	XXX	XXX	XXX	10	XXX	20	1/6 months	Grab
TSS	XXX	XXX	XXX	20	XXX	40	1/6 months	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/6 months	Grab
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/6 months	Grab
Ammonia-Nitrogen Oct 1 - Apr 30	XXX	XXX	XXX	15	XXX	30	1/6 months	Grab
Ammonia-Nitrogen May 1 - Sep 30	XXX	XXX	XXX	5.0	XXX	10	1/6 months	Grab

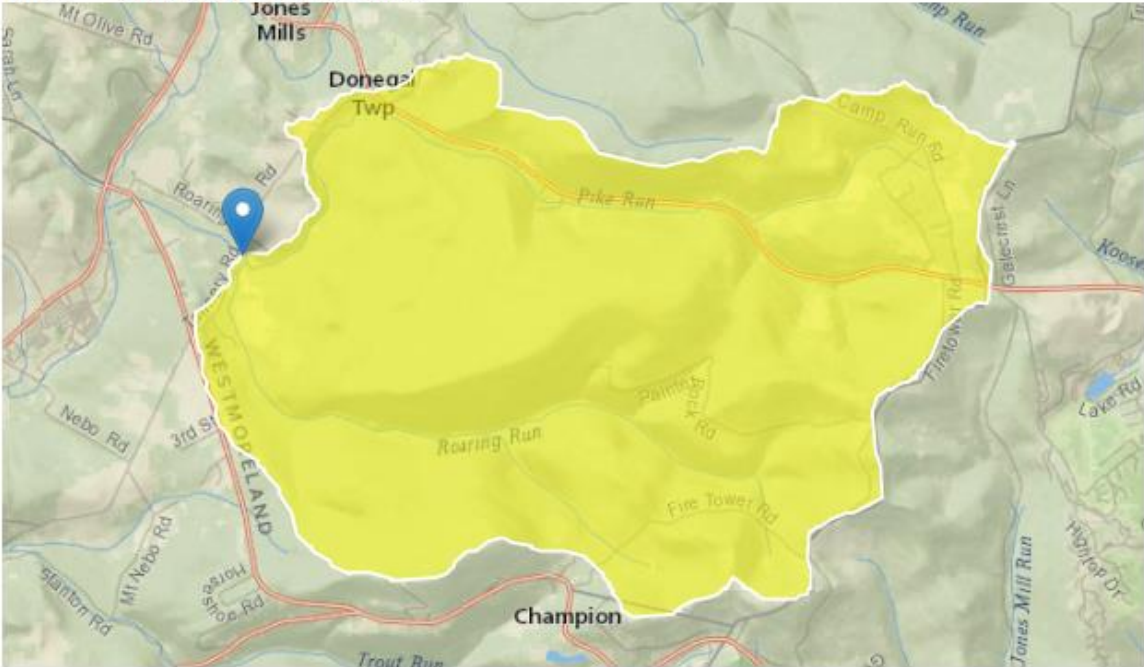
Compliance Sampling Location: 001

Other Comments: N/A

Attachment A
USGS Stream Stats Output

StreamStats Report _ PA0253057

Region ID: PA
Workspace ID: PA20240821174154250000
Clicked Point (Latitude, Longitude): 40.06948, -79.34429
Time: 2024-08-21 13:42:21 -0400



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> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	9.27	square miles
ELEV	Mean Basin Elevation	2395	feet

➤ Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	9.27	square miles	2.26	1400
ELEV	Mean Basin Elevation	2395	feet	1050	2580

Low-Flow Statistics Flow Report [Low Flow Region 4]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct (other -- see report)

Statistic	Value	Unit	SE	ASEp
7 Day 2 Year Low Flow	0.632	ft ³ /s	43	43
30 Day 2 Year Low Flow	1.14	ft ³ /s	38	38
7 Day 10 Year Low Flow	0.189	ft ³ /s	66	66
30 Day 10 Year Low Flow	0.365	ft ³ /s	54	54
90 Day 10 Year Low Flow	0.782	ft ³ /s	41	41

Low-Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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