

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0218243
APS ID 1109857
Authorization ID 1477542

Applicant, Facility and Project Information

Applicant Name	<u>Donald L Hobaugh</u>	Facility Name	<u>Hobaugh Properties SRSTP</u>
Applicant Address	<u>289 Red Arrow Road</u>	Facility Address	<u>289 Red Arrow Road</u>
	<u>Ligonier, PA 15658-2493</u>		<u>Ligonier, PA 15658-2493</u>
Applicant Contact	<u>Donald Hobaugh</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>(724) 396-2751</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>272485</u>	Site ID	<u>521306</u>
SIC Code	<u>8800</u>	Municipality	<u>Ligonier Township</u>
SIC Description	<u>Private households</u>	County	<u>Westmoreland</u>
Date Application Received	<u>March 20, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>March 20, 2024</u>	WQM App. No.	
Project Description	<u>Renewal application to discharge treated sewage effluent.</u>		

Summary of Review

Mr. Hobaugh (Applicant) has applied for a renewal of the NPDES Permit No. PA0218243, this permit was previously issued by the PA Department of Environmental Protection (DEP) on September 1, 2017, the NPDES permit expired on August 31, 2022, application was received on March 20, 2024 therefore, the renewal application considered late.

This discharge does not qualify for a general permit because it discharges to a high-quality stream (Trout Run (HQ-CWF)). General permits cannot be issued to high-quality streams.

WQM Permit No. 0216405 was issued on January 26, 2017 and authorized construction of the sewage treatment facility with a hydraulic design capacity of 0.0004 MGD.

The existing SRSTP consists of the following: a 1000 gallons septic tank, dosing tank, subsurface sand filter, chlorine disinfection and dechlorination with contact tank, and an Outfall pipe. Received application doesn't proposing any changes to the existing treatment facility.

The discharge is to an existing 8" DI pipe on the owner's property, which is used to drain to Trout Run and is classified as a HQ-CWF located in PA State Watershed No. 18-C.

The facility is not registered for eDMR reporting. DEP's current policy does not require eDMR to be used for SRSTP.

There are no open violations or DMRs exceedances by Operation's Compliance Report and the reviewed inspection reports (see page 4).

Approve	Deny	Signatures	Date
X		 Hazim Aldalli / Environmental Engineering Specialist	November 22, 2024
X		 Christopher Kriley, P.E. / Program Manager	November 26, 2024

Summary of Review

DEP sent an email for missing information over the renewal application and no records available for DMRs and AMRs, the applicant responded with the needed information.

A proper evidence of the Act – 14 PL 834 Municipal Notification was provided by the applicant on March 1, 2024. No comments were received.

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.	001	Design Flow (MGD)	0.0004
Latitude	40° 17' 56"	Longitude	-79° 16' 2"
Quad Name	Derry	Quad Code	40079C3
Wastewater Description:	Sewage Effluent		
Receiving Waters	Trout Run (HQ-CWF)	Stream Code	43627
NHD Com ID	125293106	RMI	0.95
Drainage Area	0.76	Yield (cfs/mi ²)	0.056
Q ₇₋₁₀ Flow (cfs)	0.0425	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	2010	Slope (ft/ft)	0.008
Watershed No.	18-C	Chapter 93 Class.	HQ-CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use	None.	Exceptions to Criteria	None.
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status	Final	Name	Kiskiminetas-Conemaugh River Watersheds TMDL
Background/Ambient Data	Data Source		
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake	Latrobe Muni Authority		
PWS Waters	Trout Run	Flow at Intake (cfs)	0.307
PWS RMI	1.16	Distance from Outfall (mi)	1.9

Changes Since Last Permit Issuance: Q₇₋₁₀ flow, elevation, drainage area, and low flow yield were all updated (see appendix A) to match USGS Stream Stats new data.

Other Comments: DEP issued new version (version 1.8) of its SFTF SOP on November 9, 2023.

Operations Compliance Check Summary Report

Facility: Hobaugh SRSTP

NPDES Permit No.: PA0218243

Compliance Review Period: 4/19 – 4/24

Inspection Summary:

INSP ID	INSPECTED DATE	INSP TYPE	INSPECTION RESULT DESC	INSPECTION COMMENT
3713719	02/15/2024	Compliance Evaluation	No Violations Noted	NPDES renewal application, instructions, checklist and DMR were provided during this inspection. Mr. Hobaugh stated that he would be submitting the renewal application soon.
3713720	02/15/2024	Administrative/File Review	No Violations Noted	Administrative file review for CEI IR
3678475	01/24/2024	Routine/Partial Inspection	Violation(s) Noted	
3447227	10/21/2022	Compliance Evaluation	No Violations Noted	
3412783	08/25/2022	Administrative/File Review	No Violations Noted	

Violation Summary:

VIOL ID	VIOLATION DATE	VIOLATION TYPE DESC	RESOLVED DATE	INSP ID
8172368	01/24/2024	NPDES - Failure to submit NPDES renewal application at least 180 days prior to expiration or later approved date	01/24/2024	3678475

Open Violations by Client ID:

No open violations for client id 272485

Enforcement Summary:

ENF ID	ENF TYPE	ENF CREATION DATE
424520	NOV	01/24/2024

DMR Violation Summary:

No DMR exceedances

Compliance Status:

Permittee in compliance.

Completed by: John Murphy

Completed date: 4/22/2024

Development of Effluent Limitations					
Outfall No.	001	Design Flow (MGD)	0.0004		
Latitude	40° 17' 56"	Longitude	-79° 16' 2"		
Wastewater Description:	Treated 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 Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application" (SOP No. BCW-PMT-003, Version 1.8, Final, November 9, 2012, Revised May 17, 2019).

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/year
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).

** Use the Geometric Mean if the Sampling Frequency is at least 1/month. Use Annual Average, Semi-Annual Average or Quarterly Average if the Sampling Frequency is less than 1/month.

Additional Considerations:

CBOD₅, TSS, and Fecal limitations were imposed based upon the Department's SOP – New and Reissuance Individual SRSTP NPDES Permits, Revised November 9, 2023.

Technology-based effluent limits for pH will be imposed based upon State Regulation 95.2(1).

Since this review is for a renewal application, anti-degradation analysis is not applicable.

Ammonia-Nitrogen AML seasonal limits of 1.5 mg/L for the warm period, and 4.5 mg/L for the cold period were based upon the antidegradation analysis; thus, this permit will carry over the same limits and its related monitoring frequency.

Per the above referenced SOP " *Under the authority of 25 Pa. Code § 93.4c, the use of chlorine for disinfection will not be authorized for discharges to EV waters. The use of chlorine for disinfection will not be authorized for discharges to HQ waters unless the application includes a socioeconomic justification (SEJ) (for HQ waters) that justifies the need for chlorine as opposed to other alternatives. If the use of chlorine is approved, for SFTFs the average monthly effluent limitation will be set to 0.02 mg/L ("non-detect") and the appropriate Part C language for TRC limits below method detection limits ("Part C 120") will be used.*" The final permit cover letter will include the language to notify the permittee to change the disinfection system.

The facility receiving stream segment is part of the Kiskiminetas-Conemaugh River Watersheds TMDL, the cause of the TMDL is metals contamination, per the above referenced SOP under Note G.1, and when checking on the WLAs assigned to sewage facilities, this facility is not listed within Appendix G of the TMDL final document.

Sewage discharges with design flows < 2,000 gpd do not require monitoring for Total Nitrogen and Total Phosphorus in new and reissued permits.

Sampling frequency for all parameters is 1/6 months, and due to antibacksliding; no changes to these frequencies are made for this review pursuant with the Department's SOP - *New and Reissuance of SFTF Individual NPDES Permit Applications*, and Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limitations.

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	Report Daily Max	XXX	XXX	XXX	XXX	1/6 months	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/6 months	Grab
DO	XXX	XXX	5.0	XXX	XXX	XXX	1/6 months	Grab
TRC	XXX	XXX	XXX	0.02	XXX	0.04	1/month	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/6 months	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/6 months	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/6 months	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/6 months	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	4.5	XXX	9.0	1/6 months	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	1.5	XXX	3.0	1/6 months	Grab

Compliance Sampling Location: at Outfall 001.

Other Comments: None.

Appendix -A- USGS Stream Stats

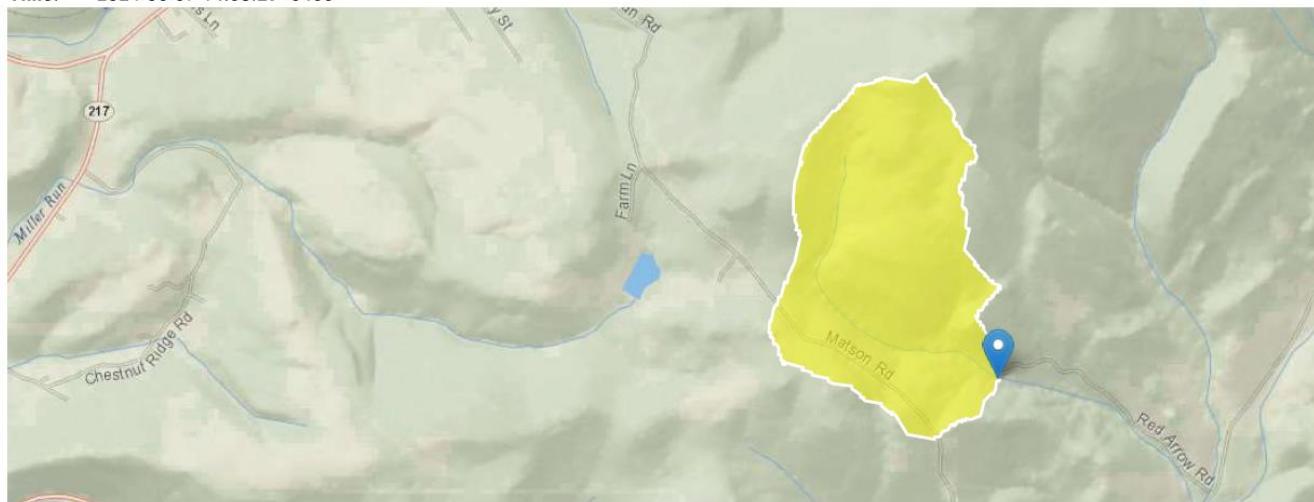
StreamStats Report

Region ID: PA

Workspace ID: PA20240507180307754000

Clicked Point (Latitude, Longitude): 40.29909, -79.26642

Time: 2024-05-07 14:03:29 -0400



 [Collapse All](#)

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.76	square miles
ELEV	Mean Basin Elevation	2010	feet
PRECIP	Mean Annual Precipitation	45	inches

➤ Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 3]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.76	square miles	2.33	1720
ELEV	Mean Basin Elevation	2010	feet	898	2700
PRECIP	Mean Annual Precipitation	45	inches	38.7	47.9

Low-Flow Statistics Disclaimers [Low Flow Region 3]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [Low Flow Region 3]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.103	ft^3/s
30 Day 2 Year Low Flow	0.152	ft^3/s
7 Day 10 Year Low Flow	0.0425	ft^3/s
30 Day 10 Year Low Flow	0.0591	ft^3/s
90 Day 10 Year Low Flow	0.0883	ft^3/s

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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