

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0232319
APS ID 1079723
Authorization ID 1424825

Applicant, Facility and Project Information

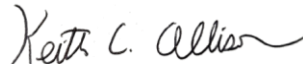

Applicant Name	<u>Hepler, Gail M.</u>	Facility Name	<u>Former Tammy Sortman Subdivision</u>
Applicant Address	<u>128 Mabel Road</u> <u>Ashland, PA 17921-9103</u>	Facility Address	<u>180 Glen Road</u> <u>Lock Haven, PA 17745</u>
Applicant Contact	<u>Gail Hepler</u>	Facility Contact	<u>Gail Hepler</u>
Applicant Phone	<u>(570) 617-0015</u>	Facility Phone	<u>(570) 617-0015</u>
Client ID	<u>343259</u>	Site ID	<u>763524</u>
SIC Code	<u>4952</u>	Municipality	<u>Lock Haven City</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Clinton</u>
Date Application Received	<u>January 24, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>January 31, 2023</u>	WQM App. No.	<u></u>
Project Description	<u>Renewal of a NPDES Permit for a SRSTP discharge.</u>		

Summary of Review

The subject permit is for an existing Single Residence Sewage Treatment Plant (SRSTP) serving a home in the city of Lock Haven, Clinton County. A map of the discharge location is attached.

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
✓		 Keith C. Allison / Project Manager	August 10, 2023
✓		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	August 10, 2023

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 8' 30.65"</u>	Longitude	<u>-77° 27' 8.25"</u>
Quad Name	<u>Lock Haven, PA</u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to the West Branch Susquehanna River</u>	Stream Code	<u>18668 (River)</u>
NHD Com ID	<u>61116709</u>	RMI	<u>71 (River)</u>
Drainage Area (mi ²)	<u>0.000193 @ UNT 3340 @ River</u>	Yield (cfs/mi ²)	<u>0.0608</u>
Q ₇₋₁₀ Flow (cfs)	<u>203 (@ River)</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>660</u>	Slope (ft/ft)	<u>Undetermined</u>
Watershed No.	<u>09B</u>	Chapter 93 Class.	<u>Warm Water Fishes, Migratory Fishes</u>
Existing Use	<u>None</u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Metals</u>		
Source(s) of Impairment	<u>Abandoned Mine Drainage</u>		
TMDL Status	<u>Final</u>	Name	<u>West Branch Susquehanna</u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Company @ Milton, PA</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Distance from Outfall (mi)	<u>Approx. 50</u>

Changes Since Last Permit Issuance: None

Other Comments: The discharge is to an unnamed tributary to the West Branch Susquehanna River that discharges to the River by way of the Lock Haven storm sewer system.

The discharge is not expected to affect any downstream water supply. The discharge is also not expected to have any impact on the existing impairment to the River.

Compliance History	
Summary of AMRs:	AMRs have been received and are adequate.
Summary of Inspections:	The facility was last inspected by the Department on June 28, 2023. This inspection noted no violations.
Other Comments:	A query in WMS found no open violations in eFACTS for Gail Hepler.

Treatment Facility
The treatment process, as permitted under WQM No. 1812401, consists of 1,000-gallon ORENCO septic tank, an Orenco recirculating packed media filter and UV light disinfection. The facility is designed to treat 400 gpd and 0.9 lb BOD5 per day.

Existing 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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
BOD5	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60	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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ 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
BOD5	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: The exiting limits are adequate to protect the receiving waters. Current SFTF treatment limits for new systems designed under the Small Flow Treatment Facilities manual of 10 mg/L BOD and TSS as monthly averages will not be applied for this existing facility with limited available effluent data. Fecal coliform monitoring has changed from a geometric mean to an annual average consistent with the annual monitoring frequency.

No monitoring is required for UV disinfection consistent with typical monitoring requirements for SRSTPs.

Attachment

Discharge Location Map

