

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0228745
APS ID 1127165
Authorization IC 1509082

Applicant, Facility and Project Information

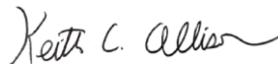

Applicant Name	<u>Beaver, Cale E.</u>	Facility Name	<u>Cale E. Beaver</u>
Applicant Address	<u>389 Millgrove Road</u> <u>Catawissa, PA 17820-8138</u>	Facility Address	<u>47 Beaver Meadow Road</u> <u>Catawissa, PA 17820-8120</u>
Applicant Contact	<u>Cale Beaver</u>	Facility Contact	<u>Cale Beaver</u>
Applicant Phone	<u>(570) 799-5853</u>	Facility Phone	<u>(570) 799-5853</u>
Client ID	<u>311968</u>	Site ID	<u>497087</u>
SIC Code	<u>4952</u>	Municipality	<u>Locust Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Columbia</u>
Date Application Received	<u>December 9, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>December 11, 2024</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>Renewal of a NPDES Permit</u>		

Summary of Review

The subject facility is a Single Residence Sewage Treatment Plant in Locust Township, Columbia 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	June 2, 2025
✓		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	June 2, 2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40° 52' 48.92"	Longitude	-76° 22' 4.20"
Quad Name	Shumans, PA	Quad Code	1135
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Roaring Creek (HQ-CWF, MF)	Stream Code	27514
NHD Com ID	65642601	RMI	0.35
Drainage Area	1.7 mi ²	Yield (cfs/mi ²)	0.0935
Q ₇₋₁₀ Flow (cfs)	0.159	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	950	Slope (ft/ft)	
Watershed No.	5-E	Chapter 93 Class.	HQ-CWF, MF
Existing Use	N/A	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	None
Assessment Status	Impaired – E. Coli from Agriculture and Residential Areas		
Nearest Downstream Public Water Supply Intake	Danville Municipal Water Authority		
PWS Waters	Susquehanna River	Distance from Outfall (mi)	22.5

Changes Since Last Permit Issuance: None

Other Comments: The above stream and drainage characteristics were determined for previous reviews and remain adequate.

The discharge is not expected to be contributing to the impairment to the unnamed tributary to Roaring Creek. A review of TRC and fecal coliform data from AMRs for the past three years show consistent adequate disinfection.

This discharge is not expected to affect any downstream water supply at this time with the limitations and monitoring proposed.

Treatment

Treatment, as approved under WQM Permit No. 1985402 T-1, consists of a 1,000-gallon septic tank, 600-square foot subsurface sand filter, erosion chlorinator, and 300-gallon chlorine contact tank.

Compliance History

Summary of AMRs:	AMRs have generally been submitted over the past permit term.
Summary of Inspections:	The facility was last inspected by the Department on August 20, 2024. This inspection identified no violations.
Other Comments:	A query in WMS found no open violations for Cale Beaver in eFACTS.

Existing Effluent Limitations and Monitoring Requirements

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	XXX	XXX	XXX	XXX	XXX	1/year	Grab
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
TRC	XXX	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	Grab
CBOD5	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

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	XXX	XXX	XXX	XXX	XXX	1/year	Grab
TRC	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/month	Grab
CBOD5	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: Outfall 001

Other Comments: The exiting limits are standard for modern Small Flow Treatment Facilities and are adequate to protect the receiving waters.

Current Department-recommended monitoring requirements for SRSTPs do not include monitoring ph. Therefore, the existing monitoring for pH will not be required in the draft permit. TRC monitoring has been increased from quarterly to monthly consistent with Department policy for SRSTPs. Per facility AMRs TRC is already being taken monthly.

Attachment

Discharge Location Map

