

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0239763  
APS ID 1148923  
Authorization ID 1546653

### Applicant, Facility and Project Information

Applicant Name <u>Collins Reffner</u>	Facility Name <u>Collins Reffner SFTF</u>
Applicant Address <u>406 Keck Road</u>	Facility Address <u>406 Keck Road</u>
<u>Butler, PA 16002-1052</u>	<u>Butler, PA 16001</u>
Applicant Contact <u>Collins Reffner</u>	Facility Contact _____
Applicant Phone <u>(724) 283-8849</u>	Facility Phone _____
Client ID <u>243661</u>	Site ID <u>631209</u>
SIC Code <u>6500</u>	Municipality <u>Summit Township</u>
SIC Description <u>Real Estate</u>	County <u>Butler</u>
Date Application Received <u>September 29, 2025</u>	WQM Required <u>Previously issued - 1005406</u>
Date Application Accepted <u>October 24, 2025</u>	WQM App. No. _____
Project Description <u>Renewal for a Single Residence Sewage Treatment Plant</u>	

### Summary of Review

The permittee is applying for reissuance of Individual Permit **PA0239763** that expired on June 30, 2025. The discharge channel is Trib 35164 To Bonnie Brook. The average daily flow is projected to be 400 GPD.

Act 14 notifications were submitted and received.

The existing facility under (WQM Permit No. 1005406) issued on January 31, 2006, consist of: A Norweco Singulair Green Model 960-500 aerobic unit consisting of a pretreatment chamber, an aeration chamber, a 1,00-gallon pump tank, a Norweco Eco-Flo STB-650 peat bio-filter, and a Salcor 3G UV light disinfection unit.

AMR was received and system appears to be operational.

There are no open violations in WMS for the subject Client ID (243661) as of October 24, 2025.

#### 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		Adebayo Olude Adebayo Olude / Civil Engineer Trainee	October 24, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	October 27, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 51' 55.92"	Longitude	-79° 48' 11.64"
Quad Name	Saxonburg	Quad Code	40079G7
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Bonnie Brook (WWF)	Stream Code	35164
NHD Com ID	126221587	RMI	
Drainage Area	0.96	Yield (cfs/mi²)	0.008
Q7-10 Flow (cfs)	0.008	Q7-10 Basis	USGS StreamStats
Elevation (ft)	1,065	Slope (ft/ft)	-
Watershed No.	20-C	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	7	Default	
Temperature (°F)	25	Default -WWF	
Hardness (mg/L)	100	Default	
Other:	-	-	
Nearest Downstream Public Water Supply Intake	Beaver Falls Municipal Authority		
PWS Waters	Beaver River	Flow at Intake (cfs)	561
PWS RMI	3.5	Distance from Outfall (mi)	54.5

Changes Since Last Permit Issuance: Elevation was revised using Google Earth. Drainage Area and Q7-10 Flow were revised using USGS StreamStats.

Other Comments: This SRSTP is designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Norweco Singlair Model 960-500 with an Eco-Flo STB-650 peat bio-filter.

**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.

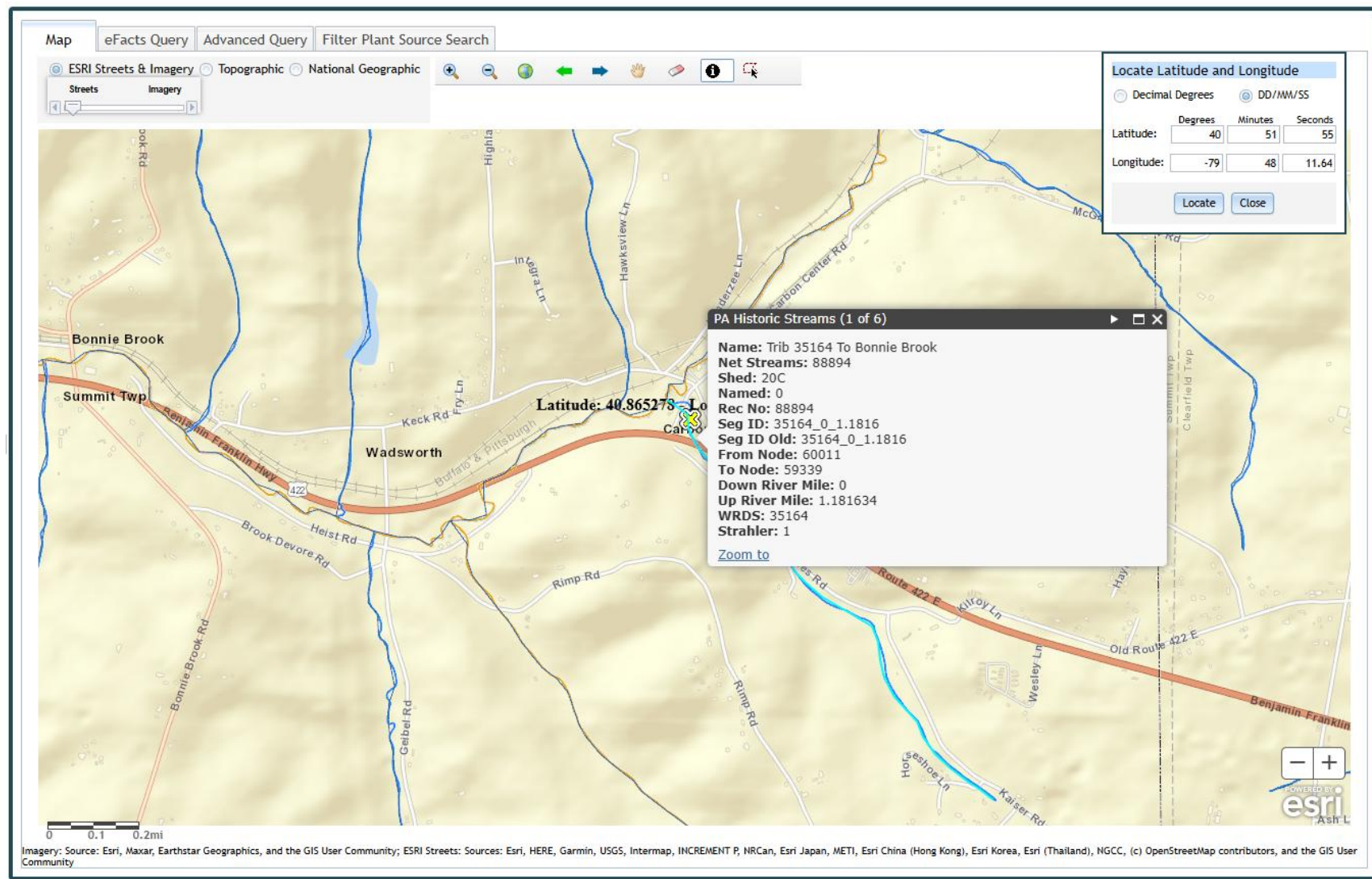
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology- based on Chapter 92a.47.

Attachment 1  
eMAP– Receiving Streams Information





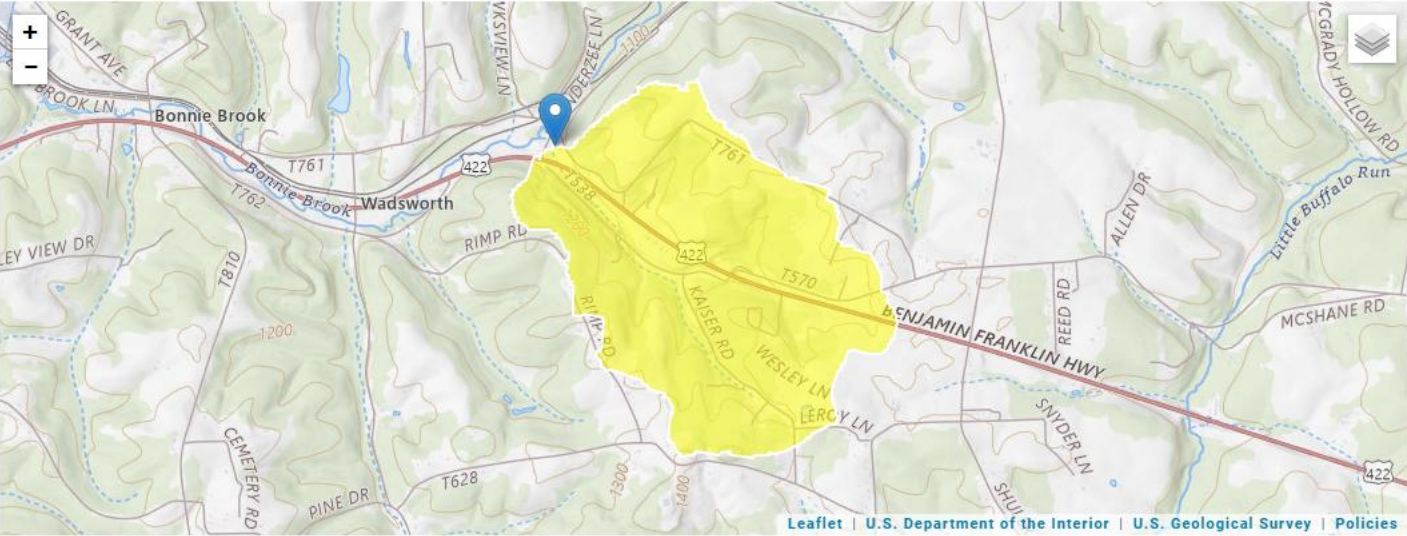
Attachment 2  
Google Earth - Imagery



Attachment 3  
StreamStats Report

StreamStats Report

Region ID: PA  
Workspace ID: PA20251024154723364000  
Clicked Point (Latitude, Longitude): 40.86535, -79.80327  
Time: 2025-10-24 11:47:45 -0400



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> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.96	square miles
ELEV	Mean Basin Elevation	1252	feet