

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288063
APS ID 1149321
Authorization ID 1547257

Applicant, Facility and Project Information

Applicant Name <u>Daniel Karrasch</u>	Facility Name <u>Daniel Karrasch SRSTP</u>
Applicant Address <u>198 Dar Valley Road</u> <u>Bradford, PA 16701-2482</u>	Facility Address <u>198 Dar Valley Road</u> <u>Bradford, PA 16701</u>
Applicant Contact <u>Daniel Karrasch</u>	Facility Contact _____
Applicant Phone <u>(814) 368-5254</u>	Facility Phone _____
Client ID <u>354869</u>	Site ID <u>840257</u>
SIC Code <u>8800</u>	Municipality <u>Corydon Township</u>
SIC Description <u>Private Households</u>	County <u>McKean</u>
Date Application Received <u>October 28, 2025</u>	WQM Required <u>Previously issued - 4220401</u>
Date Application Accepted <u>November 4, 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 **PA0288063** that expired on April 20, 2025. This is a discharge into stream channel – Cobb Hollow which is a High Quality (HQ) watershed. The average daily flow is projected to be 400 GPD.

The existing facility under (WQM Permit No. 4220401) issued on April 20, 2020 consist of: A Premier Tech EC7-600-P-P/G PACK Coco Filter Unit containing a septic tank, coco filter, and ultraviolet disinfection.

AMR was received and appears to operate as designed.

There are no open violations in WMS for the subject Client ID (**354869**) as of November 4, 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	November 4, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	November 10, 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	41° 57' 46.42"	Longitude	-78° 47' 14.40"
Quad Name	Stickney	Quad Code	41078H7
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary "Cobb Hollow" to Willow Creek (HQ-CWF)	Stream Code	56910
NHD Com ID	112366735	RMI	0.4100
Drainage Area	0.5	Yield (cfs/mi²)	0.0552
Q ₇₋₁₀ Flow (cfs)	0.0276	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	2,030	Slope (ft/ft)	-
Watershed No.	16-B	Chapter 93 Class.	HQ-CWF
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)	20	Default - CWF	
Hardness (mg/L)	100	Default	
Other:	-	-	
Nearest Downstream Public Water Supply Intake	Aqua PA Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1376
PWS RMI	90	Distance from Outfall (mi)	>10miles

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 Premier Tech EC7-600-P-P/G PACK Coco Filter Unit and a discharge into High-Quality Watershed.

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.

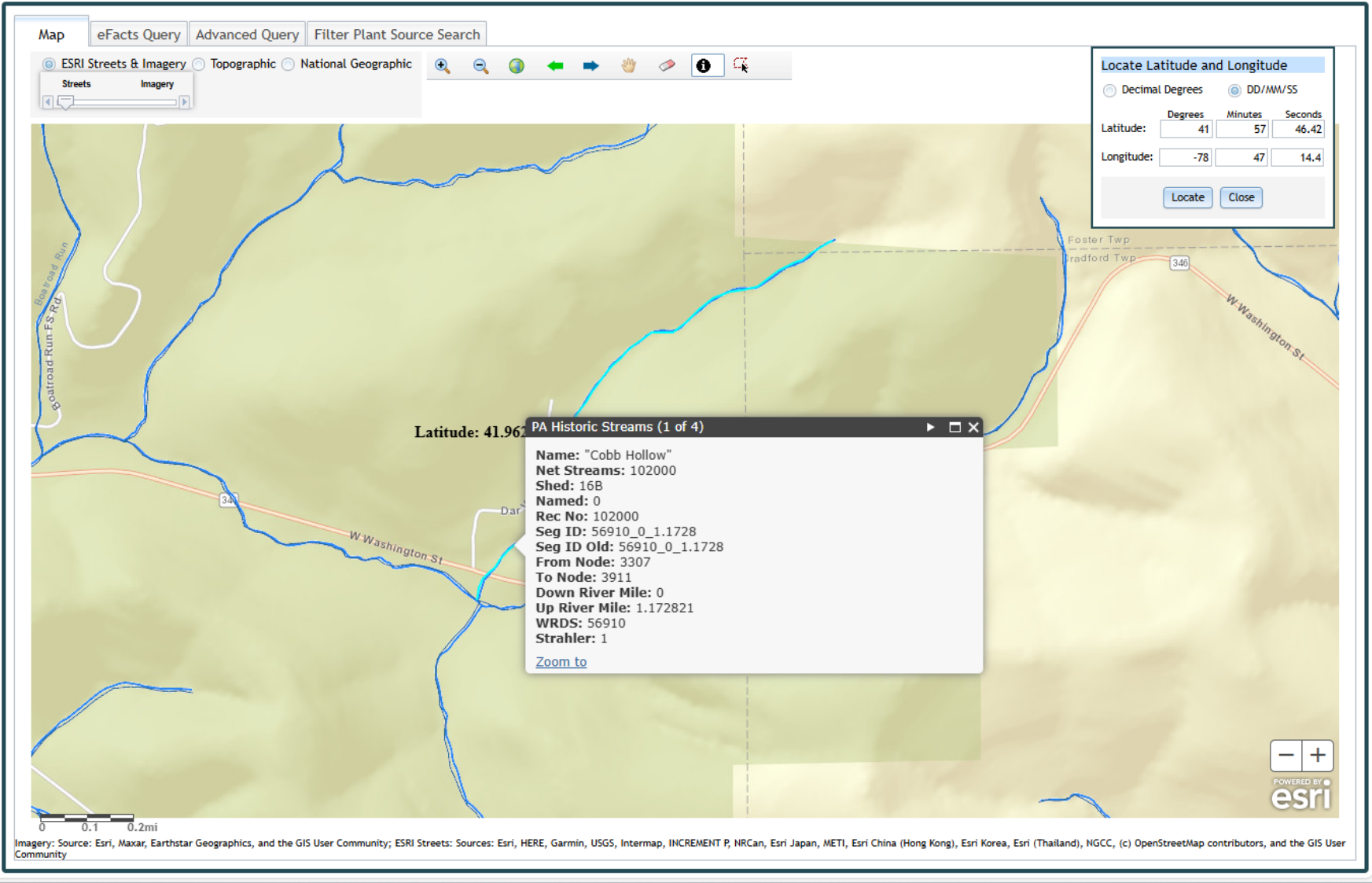
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
BOD5	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

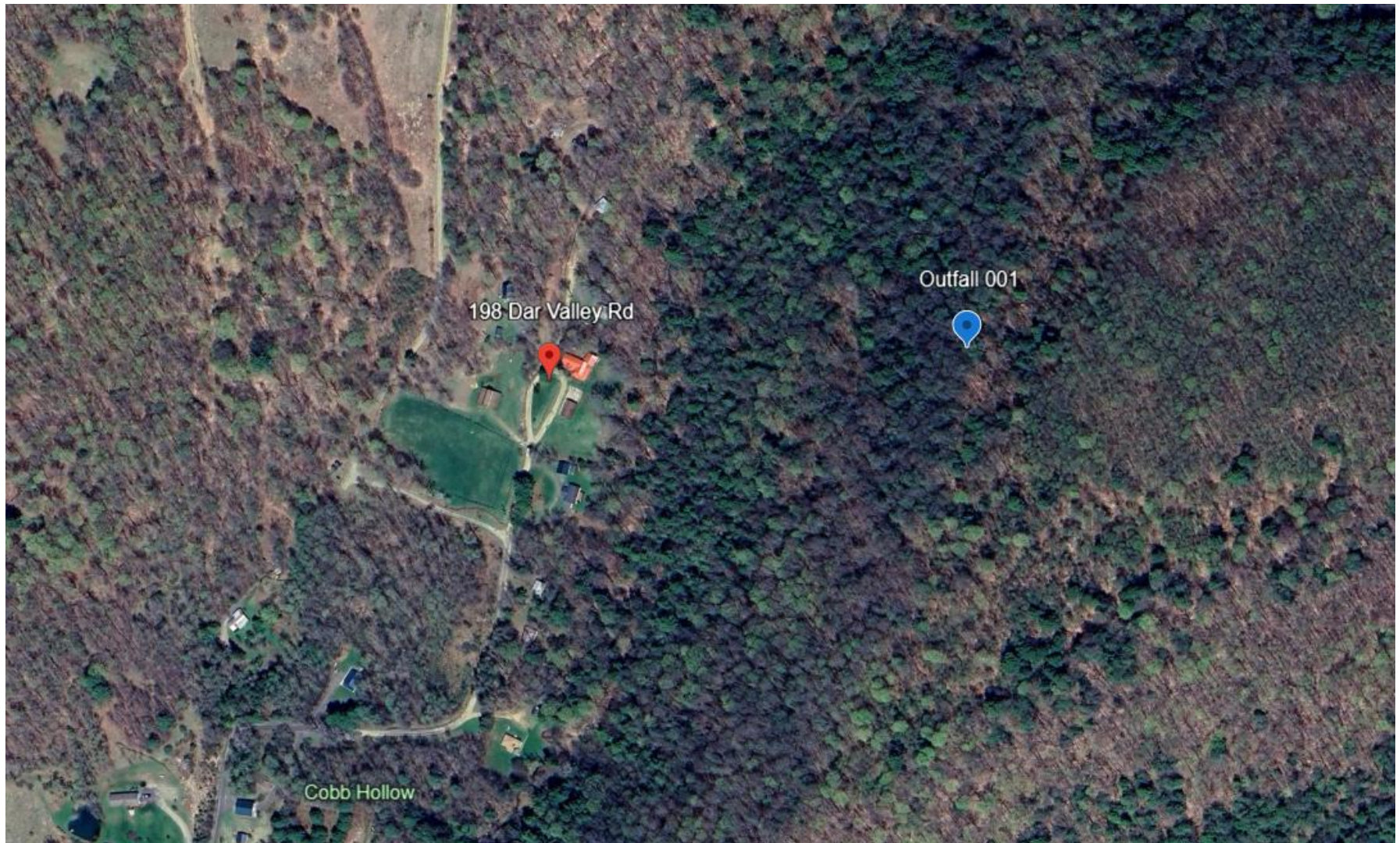
Compliance Sampling Location: Outfall 001 – after disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for CBOD5, Total Suspended Solids are BPJ-based on the Department's "Small Flow Treatment Facilities Manual." Fecal Coliform are technology-based on Chapter 92a.47.

Attachment 1
eMAP – Receiving Streams Information



Attachment 2
Google Earth – Site Imagery

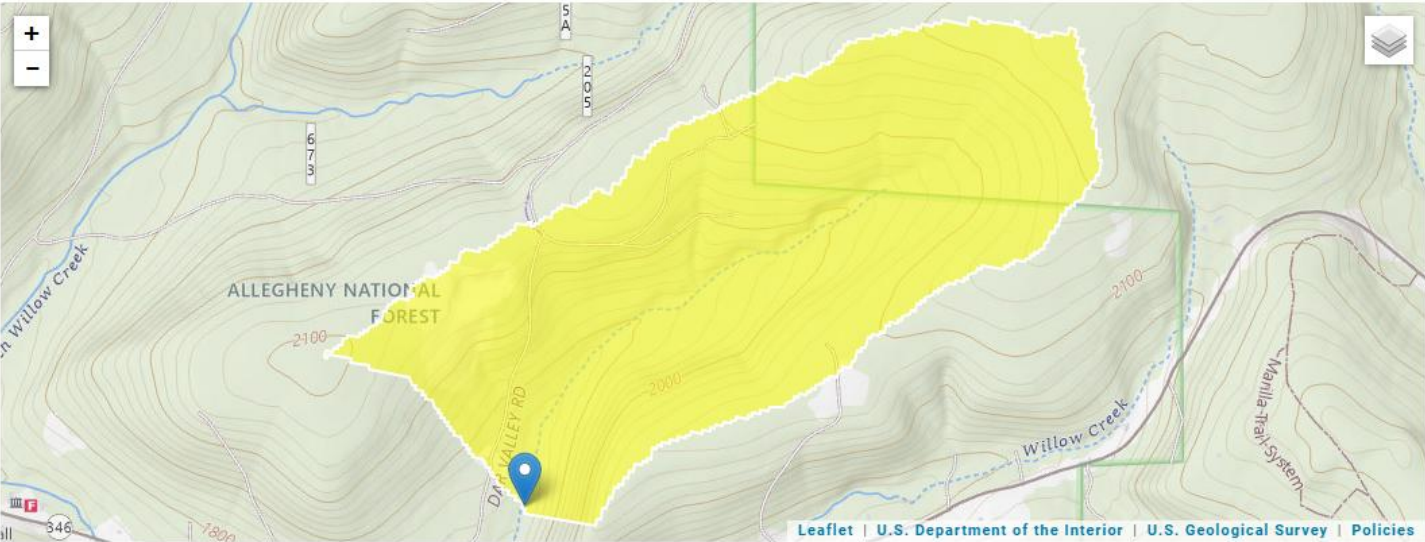


Attachment 3
StreamStats

StreamStats Report

Region ID:
Workspace ID:
Clicked Point (Latitude, Longitude):
Time:

PA
PA20251104153501441000
41.96179, -78.78768
2025-11-04 10:35:24 -0500



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> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.5	square miles
ELEV	Mean Basin Elevation	2051	feet
PRECIP	Mean Annual Precipitation	45	inches