

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288373
APS ID 1140679
Authorization ID 1532740

Applicant, Facility and Project Information

Applicant Name <u>David Calvert</u>	Facility Name <u>David Calvert SRSTP</u>
Applicant Address <u>934 Cole Hill Road</u> <u>Russell, PA 16345-5320</u>	Facility Address <u>934 Cole Hill Road</u> <u>Russell, PA 16345-5320</u>
Applicant Contact <u>David Calvert</u>	Facility Contact <u>David Calvert</u>
Applicant Phone <u>(814) 730-7551</u>	Facility Phone <u>(814) 730-7551</u>
Client ID <u>356418</u>	Site ID <u>842343</u>
SIC Code <u>8800</u>	Municipality <u>Pine Grove Township</u>
SIC Description <u>Private Households</u>	County <u>Warren</u>
Date Application Received <u>July 2, 2025</u>	WQM Required <u>Previously issued - 6220402</u>
Date Application Accepted _____	WQM App. No. _____
Project Description <u>Renewal application for a Single Resident Sewage Treatment Plant (SRSTP)</u>	

Summary of Review

The permittee is applying for reissuance of Individual Permit No. PA0288373 that is set to expire on July 31, 2025. The existing discharge serves a single home and discharges into Tributary 56370 to Akeley Run (CWF).

The existing facility consists of (WQM Permit No. 6220402): 1,000-gallon dual compartment concrete septic tank with an effluent filter followed by a Premier Tech EC7-C-P Coco Filter Unit with an integrated pump Ultraviolet (UV) light disinfection unit, and effluent pumping.

Act 14 notifications were submitted and received.

Yearly AMRs have been submitted. TSS values are high for 2022 and 2024 (34 and 28 mg/l). The inspector notes that the levels should come down as the system is used more.

There are no open violations in WMS for the subject Client ID (356418) as of July 3, 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		Carlee Wilson Carlee Wilson / Environmental Engineering Trainee	July 3, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	July 7, 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° 55' 32.54"	Longitude	-79° 4' 59.84"
Quad Name	-	Quad Code	-
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Akeley Run (CWF)	Stream Code	56370
NHD Com ID	129446978	RMI	0.9200
Drainage Area	0.0964	Yield (cfs/mi²)	0.0292
Q ₇₋₁₀ Flow (cfs)	0.00282	Q ₇₋₁₀ Basis	USGS- StreamStats
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-B	Chapter 93 Class.	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)	-		-
Temperature (°F)	-		-
Hardness (mg/L)	-		-
Other:	-		-
Nearest Downstream Public Water Supply Intake	-		
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance: N/A

Other Comments:

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

This SFTF was designed where applicable in accordance with the SFTF Manual, but it does not qualify for coverage under the PAG-04 General Permit due to the use of Premier Tech EC7-C-P Coco filter Unit.

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.

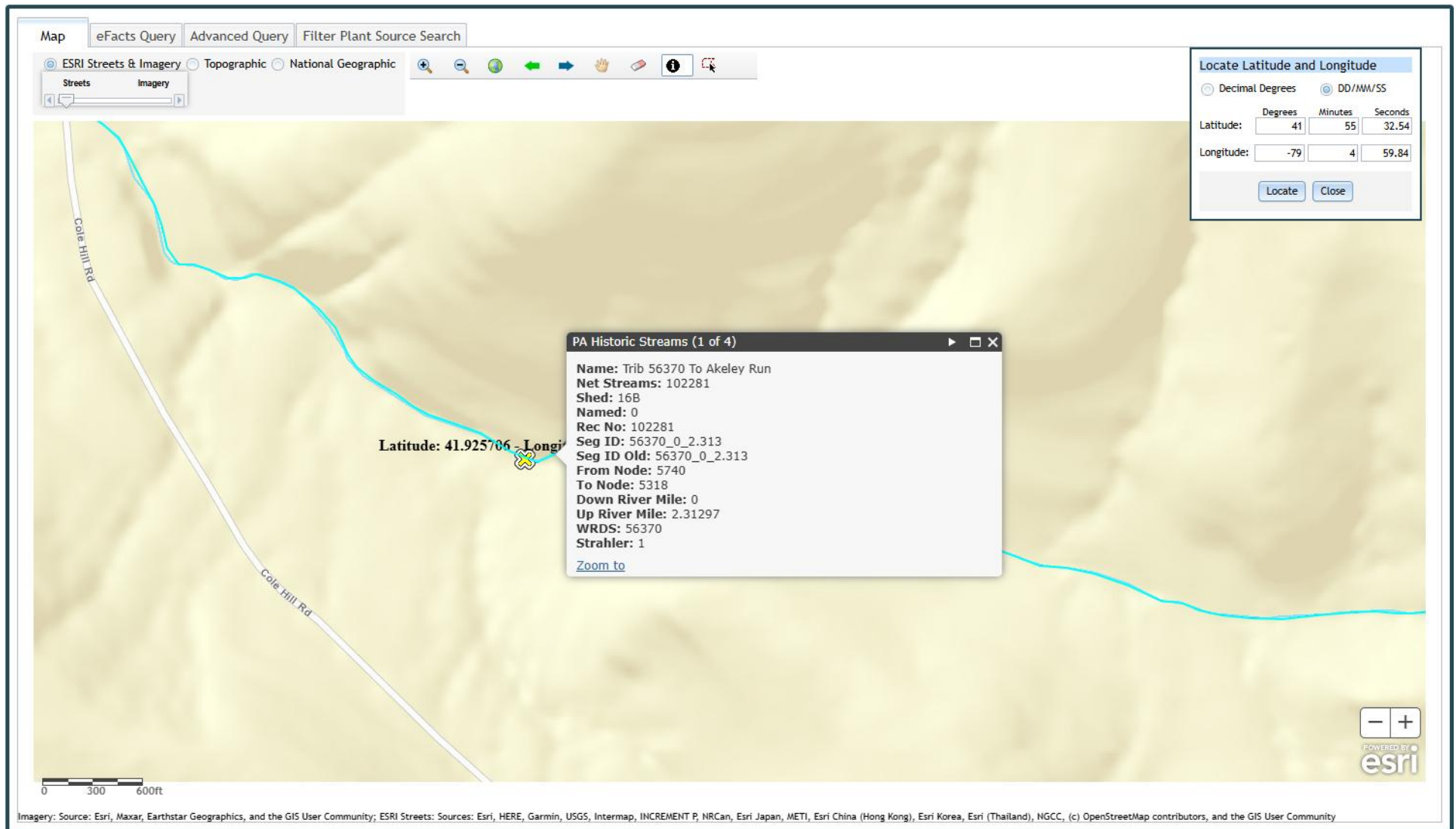
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	Upon Request	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: Effluent limits were retained from the previous permit cycle. Flow is monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.

Attachment 1
eMapPA – Receiving Stream Location and Data



Attachment 2
Google Earth – Aerial Site View

