

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288748
APS ID 1140641
Authorization ID 1532666

Applicant, Facility and Project Information

Applicant Name <u>David Mahan</u>	Facility Name <u>David Mahan SRSTP</u>
Applicant Address <u>1070 Stone Springhouse Road</u> <u>Titusville, PA 16354-7072</u>	Facility Address <u>1070 Stone Springhouse Road</u> <u>Titusville, PA 16354-7072</u>
Applicant Contact <u>David Mahan</u>	Facility Contact _____
Applicant Phone <u>(814) 827-5242</u>	Facility Phone _____
Client ID <u>369790</u>	Site ID <u>843032</u>
SIC Code <u>8800</u>	Municipality <u>Cherrytree Township</u>
SIC Description <u>Private Households</u>	County <u>Venango</u>
Date Application Received <u>July 2, 2025</u>	WQM Required <u>Previously issued -6120403</u>
Date Application Accepted <u>August 6, 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 **PA0288748** that would expire on December 31, 2025. This is a discharge into stream channel – Trib 51781 of Prather Creek. The average daily flow is projected to be 600 GPD.

Act 14 notifications were submitted and received.

The existing facility under (WQM Permit No. 6120403) issued on December 28, 2020, consist of: A 1,500-gallon dual compartment concrete septic tank with effluent filter followed by a Premier Tech EC7 Coco Filter unit with an integrated pump followed by a 1,000-gallon dual compartment tank with a Salcor 3G UV unit and pump.

AMR was received and appears to be in service.

There are no open violations in WMS for the subject Client ID (369790) as of August 6, 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	August 6, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	August 7, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0006
Latitude	41° 36' 10.28"	Longitude	-79° 45' 14.31"
Quad Name	Dempseytown	Quad Code	41079E7
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Prather Creek	Stream Code	51781
NHD Com ID	127347462	RMI	0.1700
Drainage Area	0.81	Yield (cfs/mi²)	0.0383
Q7-10 Flow (cfs)	0.0311	Q7-10 Basis	USGS StreamStats
Elevation (ft)	1425	Slope (ft/ft)	-
Watershed No.	16-D	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)	7	Default	
Temperature (°F)	20	Default - CWF	
Hardness (mg/L)	100	Default	
Other:	-	-	
Nearest Downstream Public Water Supply Intake	Aqua Pennsylvania, Inc - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1376
PWS RMI	90.0	Distance from Outfall (mi)	> 10

Changes Since Last Permit Issuance: None

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual. However, it does not qualify for PAG-04 due to the use of EC7 coco 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.

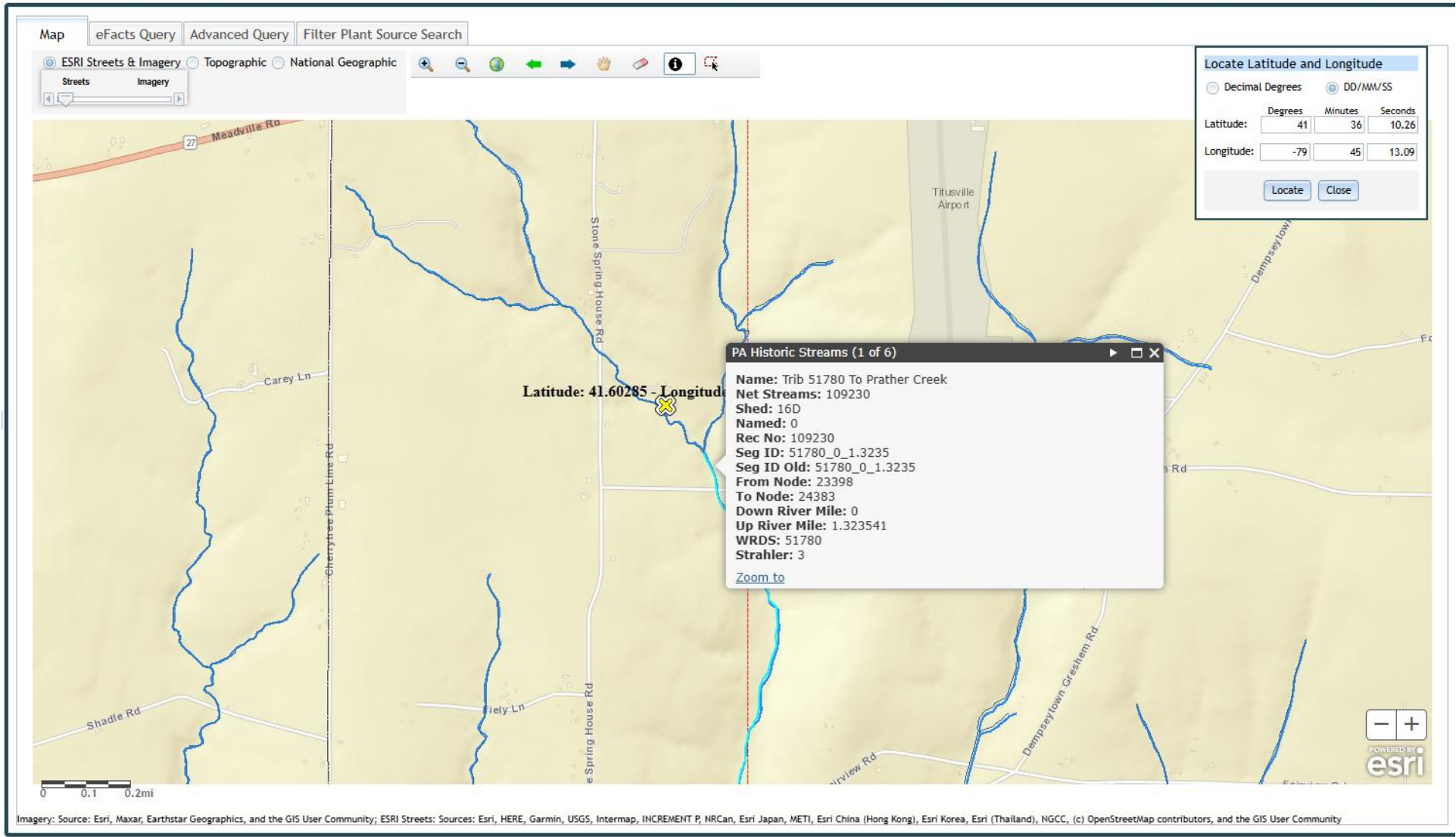
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽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: 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. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMAP– Receiving Streams Information



Attachment 2
Google Earth - Imagery

