Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0222739**
Wastewater Type	**Sewage**	APS ID	**1114515**
Facility Type	**SFTF**	Authorization ID	**1486446**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Blooming Valley United Meth Church**	Facility Name	**Blooming Valley United Meth Church**
Applicant Address	24740 State Street	Facility Address	24740 State Street
	Meadville, PA 16335-8838		Meadville, PA 16335-8838
Applicant Contact	Thora Resinger	Facility Contact	Thora Resinger
Applicant Phone	(814) 336-4316	Facility Phone	(814) 336-4316
Client ID	120884	Site ID	496564
SIC Code	4952	Municipality	Blooming Valley Borough
SIC Description	Trans. & Utilities - Sewerage Systems	County	Crawford
Date Application Received	May 6, 2024	WQM Required	Previously issued - 2099403
Date Application Accepted		WQM App. No.	--

Project Description: Renewal application for a Small Flow Treatment Facility (SFTF)

Summary of Review

The permittee is applying for reissuance of Individual Permit No. PA0222739 which expire on November 11, 2024. The existing discharge serves a church

The existing facility consists of (WQM Permit No. 2099403): Three 1,000-gallon septic tanks in series, a 500-gallon dosing tank, a 2,250 square foot (45' x 50') subsurface sand filter, and tablet chlorine disinfection with a 500-gallon contact tank.

Act 14 notifications were submitted and received.

Annual Maintenance Reports (AMRs) have been submitted yearly. TRC and Fecal Coliform were the only limits reported. Both are in compliance. Tanks were pumped on April 30, 2024.

There are no open violations in WMS for the subject Client ID (120884) as of October 31, 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	October 31, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	November 3, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0015
Latitude	41º 40' 45.30"	Longitude	-80º 2' 56.73"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Woodcock Creek (HQ-CWF)	Stream Code	52726
NHD Com ID	127343321	RMI	--
Drainage Area	1.52	Yield (cfs/mi^2)	--
Q_{7-10} Flow (cfs)	0.0638	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-A	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)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Aqua PA - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1376
PWS RMI	90.0	Distance from Outfall (mi)	72.0

Other Comments: TRC Modeling (Attachment 4) was conducted since this an SFTF. The existing BPJ limits will be retained into this renewal.

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.

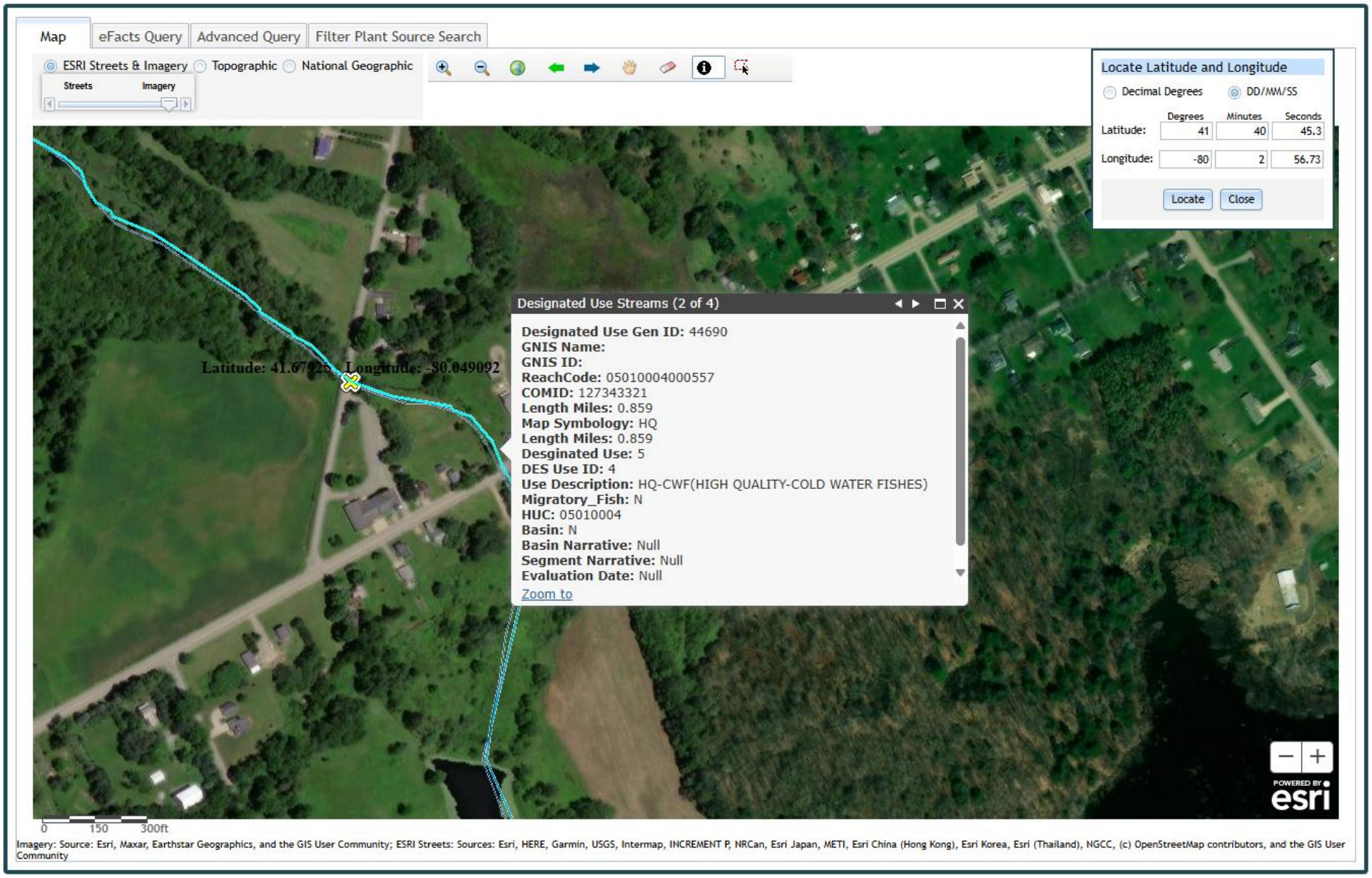
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	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 BOD_5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMapPA – Receiving Stream Details

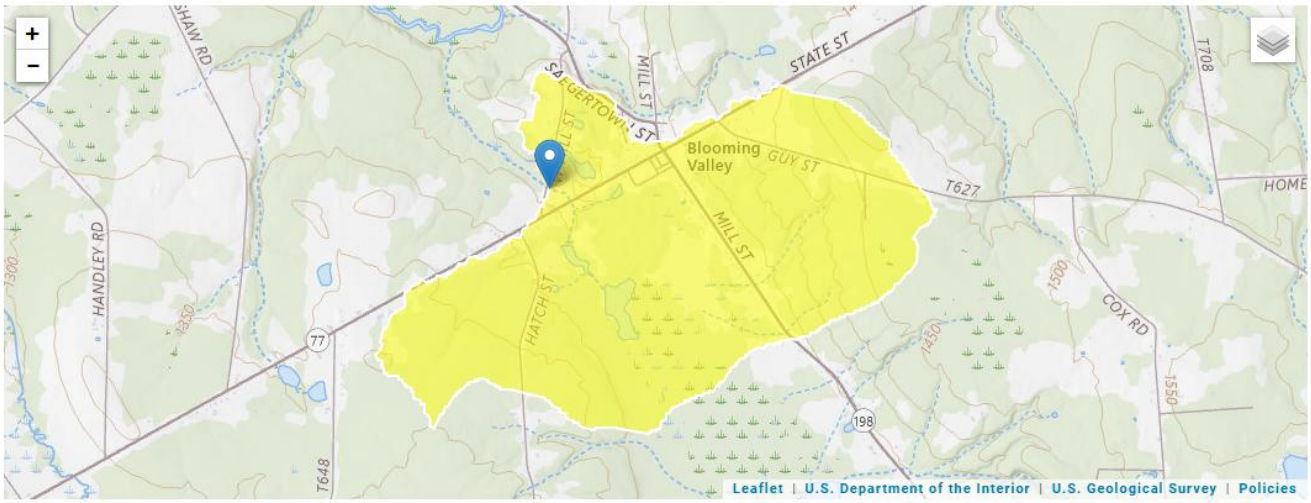


Attachment 2
Google Earth – Aerial Site View

Attachment 3
StreamStats Report

StreamStats Report

Region ID:	PA
Workspace ID:	PA20251031192659393000
Clicked Point (Latitude, Longitude):	41.67923, -80.04900
Time:	2025-10-31 15:27:21 -0400



Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 3]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.52	square miles	2.33	1720
ELEV	Mean Basin Elevation	1331	feet	898	2700
PRECIP	Mean Annual Precipitation	45	inches	38.7	47.9

Low-Flow Statistics Disclaimers [Low Flow Region 3]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [Low Flow Region 3]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.152	ft^3/s
30 Day 2 Year Low Flow	0.23	ft^3/s
7 Day 10 Year Low Flow	0.0638	ft^3/s
30 Day 10 Year Low Flow	0.0937	ft^3/s
90 Day 10 Year Low Flow	0.14	ft^3/s

Low-Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p.

Attachment 4
TRC Spreadsheet

TRC EVALUATION

0.0638	= Q stream (cfs)	0.5	= CV Daily
0.0015	= Q discharge (MGD)	0.5	= CV Hourly
30	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
	= %Factor of Safety (FOS)		=Decay Coefficient (K)

Source	Reference	AFC Calculations		Reference	CFC Calculations	
TRC	1.3.2.iii	WLA afc =	8.790	1.3.2.iii	WLA cfc =	8.562
PENTOXSD TRG	5.1a	LTAMULT afc =	0.373	5.1c	LTAMULT cfc =	0.581
PENTOXSD TRG	5.1b	LTA_afc=	3.275	5.1d	LTA_cfc =	4.977

Source		Effluent Limit Calculations		
PENTOXSD TRG	5.1f	AML MULT =	1.231	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) =	0.500	BAT/BPJ
		INST MAX LIMIT (mg/l) =	1.635	

WLA afc	**(.019/e(-k*AFC_tc)) + [(AFC_Yc*Qs*.019/Qd*e(-k*AFC_tc))...**
	...+ Xd + (AFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)
LTAMULT afc	EXP((0.5*LN(cvh^2+1))-2.326*LN(cvh^2+1)^0.5)
LTA_afc	wla_afc*LTAMULT_afc
WLA_cfc	**(.011/e(-k*CFC_tc) + [(CFC_Yc*Qs*.011/Qd*e(-k*CFC_tc))...**
	...+ Xd + (CFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)
LTAMULT_cfc	EXP((0.5*LN(cvd^2/no_samples+1))-2.326*LN(cvd^2/no_samples+1)^0.5)
LTA_cfc	wla_cfc*LTAMULT_cfc
AML MULT	EXP(2.326*LN((cvd^2/no_samples+1)^0.5)-0.5*LN(cvd^2/no_samples+1))
AVG MON LIMIT	MIN(BAT_BPJ,MIN(LTA_afc,LTA_cfc)*AML_MULT)
INST MAX LIMIT	**1.5*((av_mon_limit/AML_MULT)/LTAMULT_afc)**