

Application Type New  
Wastewater Type Sewage  
Facility Type SFTF

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No. PA0295582  
APS ID 1102472  
Authorization ID 1465849

**Applicant, Facility and Project Information**

Applicant Name	<u>Cottage Hill Wesleyan Meth Church</u>	Facility Name	<u>Cottage Hill Wesleyan Meth Church SFTF</u>
Applicant Address	<u>231 Broad Street New Bethlehem, PA 16242-1001</u>	Facility Address	<u>21 Champion Road New Bethlehem, PA 16242-4901</u>
Applicant Contact	<u>Clyde Aaron</u>	Facility Contact	_____
Applicant Phone	<u>(814) 319-4554</u>	Facility Phone	_____
Client ID	<u>288743</u>	Site ID	<u>738780</u>
SIC Code	<u>8661</u>	Municipality	<u>Porter Township</u>
SIC Description	<u>Services - Religious Organizations</u>	County	<u>Clarion</u>
Date Application Received	<u>November 21, 2023</u>	WQM Required	<u>Yes – Application Received251/*</u>
Date Application Accepted	_____	WQM App. No.	<u>1623404</u>
Project Description	<u>This is a new application for a Small Flow Treatment Facility (SFTF) which will serve an existing church.</u>		

**Summary of Review**

This is a new discharge which will serve an existing church with a capacity of 200 people and a proposed new social hall with a capacity of 202 people. The proposed system will accommodate flows from both the existing and the proposed facility but under no circumstances will the social hall and the church be occupied at the same time.

Act 14 – Notification were submitted and received.

Treatment of this facility will consist of (WQM Permit No. 1623404): Two 2,000-gallon concrete septic tanks, one 2,000 gallon pump tank with a duplex control panel and two pumps, a concrete distribution box, two NSF Approved Premier Tech EC7-1050-P-PDV Coco filter tanks in parallel and finally to a 1,500-gallon dual compartment concrete tank with a Norweco AT 1500 UV disinfection unit.

There are NO open violations in WMS for the subject Client ID (288743) as of 2/26/24.

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		Dustin Hargenrater / Civil Engineer Trainee	February 26, 2024
		(Vacant) / Environmental Engineer Manager	Okay to Draft JCD 2/29/2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0011</u>
Latitude	<u>41° 2' 45.36"</u>	Longitude	<u>-79° 19' 29.38"</u>
Quad Name	<u>New Bethlehem</u>	Quad Code	<u>41079A3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Leisure Run</u>	Stream Code	<u>48208</u>
NHD Com ID	<u>123862784</u>	RMI	<u>3.5</u>
Drainage Area	<u>3.28</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0494</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.162</u>	Q <sub>7-10</sub> Basis	<u>USGS – StreamStats</u>
Elevation (ft)	<u>1248</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>17-C</u>	Chapter 93 Class.	<u></u>
Existing Use	<u><b>Cold Water Fishes (CWF)</b></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>60</u>	Default	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Redbank Valley Municipal Authority</u>		
PWS Waters	<u>Red Bank Creek</u>	Flow at Intake (cfs)	<u>30.6</u>
PWS RMI	<u>28.6</u>	Distance from Outfall (mi)	<u>3.93</u>

Changes Since Last Permit Issuance: None – This is a new discharge (Planning was approved on October 2, 2023)

Other Comments: This SFTF was 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 the EC7 Coco Filter system.

The Coco filter system is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

In accordance with the SOP, no water quality modeling was performed since this facility will use a UV Disinfection process.

This facility will use UV Disinfection so TRC will not be included in monthly monitoring for this facility.

**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/month	Measured
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/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/month	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 Coliform are technology-based on Chapter 92a.47. The limits for pH are technology based on Chapter 93.7.

Attachment 1  
eMap – Location and Receiving Stream Data

The screenshot displays an eMap interface with a map of a stream network. A pop-up window titled "PA Historic Streams (1 of 6)" provides detailed information for a selected stream segment. The map includes a scale bar (0 to 0.2 miles) and an "esri" logo. The interface also features navigation tools and a "Locate Latitude and Longitude" dialog box.

**PA Historic Streams (1 of 6)**

- Name: Leisure Run
- Net Streams: 98384
- Shed: 17C
- Named: 1
- Rec No: 98384
- Seg ID: 48208\_3.5845\_3.6979
- Seg ID Old: 48208\_3.5844\_3.6979
- From Node: 51102
- To Node: 51184
- Down River Mile: 3.58452
- Up River Mile: 3.6979
- WRDS: 48208
- Strahler: 2

[Zoom to](#)

Latitude: 41.045933

Longitude: -79.192938

Locate Latitude and Longitude

Decimal Degrees  DD/MM/SS

	Degrees	Minutes	Seconds
Latitude:	41	2	45.36
Longitude:	-79	19	29.38

Locate Close

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Attachment 2  
Google Earth – Site Imagery

