

Application Type New
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0295574
APS ID 1102976
Authorization ID 1465701

Applicant, Facility and Project Information

Applicant Name	<u>Grace Community Church Curllsville</u>	Facility Name	<u>Grace Community Church SFTF</u>
Applicant Address	<u>3225 Curllsville Road</u> <u>Sligo, PA 16255</u>	Facility Address	<u>3225 Curllsville Road</u> <u>Sligo, PA 16255</u>
Applicant Contact	<u>Charles Boozer</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 221-6629</u>	Facility Phone	<u></u>
Client ID	<u>381558</u>	Site ID	<u>864131</u>
SIC Code	<u>4952</u>	Municipality	<u>Monroe Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Clarion</u>
Date Application Received	<u>December 11, 2023</u>	WQM Required	<u>Yes – Application Received.</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>1623403</u>

Project Description This is a new application for a Small Flow Treatment Facility (SFTF) which will serve an existing church.

Summary of Review

This is a new discharge which will serve an existing church with 200 seats and a full service kitchen which will have a minimum flow of 6 GPD per seat which equals out to 1,200 GPD, this system will replace an existing malfunctioning on-lot disposal system.

Act 14 – Notification was submitted and received.

Treatment of this facility will consist of (WQM Permit No. 1623403): Two 1,500-gallon, single compartment septic tanks, An Ecoflo Coco Filter EC7-1200-P-P-USA Treatment System, an ultraviolet disinfection unit, and outfall pipe.

There are no open violations in WMS for the subject Client ID (381558) as of 4/29/24.

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 Dustin Hargenrater / Civil Engineer Trainee	April 29, 2024
			Okay to Draft JCD 5/6/2024

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>.0012</u>
Latitude	<u>41° 5' 50.7"</u>	Longitude	<u>-79° 26' 38.4"</u>
Quad Name	<u>Sligo</u>	Quad Code	<u>41079A4</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Licking Creek (CWF)</u>	Stream Code	<u>49269</u>
NHD Com ID	<u>102671857</u>	RMI	<u>0.3500</u>
Drainage Area	<u>6.42</u>	Yield (cfs/mi ²)	<u>0.0452</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.29</u>	Q ₇₋₁₀ Basis	<u>USGS - StreamStats</u>
Elevation (ft)	<u>1,207</u>	Slope (ft/ft)	<u>----</u>
Watershed No.	<u>17-B</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>METALS</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE</u>		
TMDL Status	<u>Final</u>	Name	<u>Licking Creek</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>100</u>	Default	<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Parker Area Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>951</u>
PWS RMI	<u>83.94</u>	Distance from Outfall (mi)	<u>27.8</u>

Changes Since Last Permit Issuance: None – This is a new discharge (Planning was approved on August 29, 2023).

Other Comments: This SRSTP 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 Ecoflo EC7 Treatment System.

The Coco Filter treatment 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 chlorine disinfection is not proposed.

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 (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
CBOD5	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 of 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 – Location and Receiving Stream Data

The screenshot displays the ArcGIS web application interface. At the top, there are tabs for 'Map', 'eFacts Query', 'Advanced Query', and 'Filter Plant Source Search'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar contains various navigation icons. A 'Locate Latitude and Longitude' dialog box is open on the right, showing input fields for Latitude (41, 5, 50.7) and Longitude (-79, 26, 38.4) in DD/MM/SS format, with 'Locate' and 'Close' buttons. The map shows a cyan stream segment near Curlisville, PA, with a yellow crosshair and the text 'Latitude: 41.097417 - Lo'. A pop-up window titled 'PA Historic Streams (2 of 12)' provides the following metadata:

- Name: Licking Creek
- Net Streams: 101422
- Shed: 17B
- Named: 1
- Rec No: 101422
- Seg ID: 49269_9.7622_10.1804
- Seg ID Old: 49269_9.7623_10.1804
- From Node: 48863
- To Node: 48693
- Down River Mile: 9.762248
- Up River Mile: 10.180387
- WRDS: 49269
- Strahler: 3

The map includes a scale bar (0 to 0.2 miles) and the Esri logo. At the bottom, a copyright notice reads: 'Imagery: undefined; 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

