

Application Type New
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0291447
APS ID 1075458
Authorization ID 1417215

Applicant, Facility and Project Information

Applicant Name	<u>Anna Mary & Benuel Fisher</u>	Facility Name	<u>Anna Mary & Benuel Fisher SFTF</u>
Applicant Address	<u>23306 Hilltop Road</u> <u>Springboro, PA 16435-2412</u>	Facility Address	<u>10255 Springboro Road</u> <u>Springboro, PA 16435</u>
Applicant Contact	<u>Benuel Fisher</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 720-9584</u>	Facility Phone	<u></u>
Email	<u>Fisherplumbing2014@gmail.com</u>		<u></u>
Client ID	<u>373619</u>	Site ID	<u>858779</u>
SIC Code	<u>4952</u>	Municipality	<u>Spring Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Crawford</u>
Date Application Received	<u>November 9, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>11/21/2022</u>	WQM App. No.	<u>2022415</u>
Project Description	<u>Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge from a proposed 3-bedroom home (new construction) and accessory structure with an additional bedroom with a bathroom.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 2022415): A 1,500-gallon dual compartment septic tank with effluent filter followed by a Premier Tech EC7-500-C-P Ecoflo Coco filter unit with integrated UV disinfection and effluent pumping.

SPECIAL CONDITIONS: None.

The EPA Waiver is in effect.

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		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer Trainee	November 21, 2022
X		Adam J. Pesek (Lead Reviewer) for Vacant / Environmental Engineer Manager	December 2, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0005</u>
Latitude	<u>41° 47' 45.0"</u>	Longitude	<u>-80° 19' 57.4"</u>
Quad Name	<u>Conneautville</u>	Quad Code	<u>41080G3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Carr Run</u>	Stream Code	<u>52578</u>
NHD Com ID	<u>127346840</u>	RMI	<u>1.5300</u>
Drainage Area	<u>0.06 square miles</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.006</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1240</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-D</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>---</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	
Temperature (°C)	<u>25</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u></u>		
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1376</u>
PWS RMI	<u>90</u>	Distance from Outfall (mi)	<u>92.52 (approximate)</u>

Changes Since Last Permit Issuance: N/A - This is a proposed discharge (Planning was approved on September 29,2022

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 a Premier Tech EC7-500-C-P Ecoflo Coco filter.

The Premier Tech EC7-500-C-P Ecoflo Coco filter 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 is a SRSTP.

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	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after UV Disinfection

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are BPJ-technology-based on the Department's Small Flow Treatment Facilities Manual. The limits for pH are technology-based on Chapter 93.7.

Outfall Location - eMap with Aerial Imagery

The screenshot displays the Pennsylvania eMapPA web application. The interface includes a header with the Pennsylvania Department of Environmental Protection logo and navigation links. A left sidebar contains a legend for various map layers, including Regulated Facilities, Streams and Water Resources, Water Quality, Designated Use Streams, and Boundaries. The main map area shows aerial imagery with a cyan line representing a stream. A popup window titled "Designated Use Streams (2 of 6)" is open over the stream, displaying the following metadata:

Designated Use Gen ID:	81030
GNIS Name:	Carr Run
GNIS ID:	01171256
ReachCode:	05010004000300
COMID:	127346840
Length Miles:	1.645
Map Symbology:	WWF
Length Miles:	1.645
Designated Use:	12
DES Use ID:	8
Use Description:	WWF(WARM WATER FISHES)
Migratory_Fish:	N
HUC:	05010004
Basin:	N
Basin Narrative:	Null
Segment Narrative:	Null
Evaluation Date:	Null

Below the popup, a "Zoom to" link is visible. The map also features a "Locate Latitude and Longitude" dialog box with input fields for Decimal Degrees and DD/MM/SS, and buttons for "Locate" and "Close". A scale bar at the bottom left indicates 0, 150, and 300 feet. The ESRI logo is in the bottom right corner of the map area.

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