

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0271608  
APS ID 1104295  
Authorization ID 1468342

**Applicant, Facility and Project Information**

Applicant Name	<u>Donald Ward</u>	Facility Name	<u>Donald Ward SRSTP</u>
Applicant Address	<u>185 Donaldson Road</u> <u>Gibsonia, PA 15044</u>	Facility Address	<u>372 Cherry Valley Road</u> <u>Saxonburg, PA 16056</u>
Applicant Contact	<u>Donald Ward</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 766-0595</u>	Facility Phone	<u></u>
Client ID	<u>343963</u>	Site ID	<u>632137</u>
SIC Code	<u>8800</u>	Municipality	<u>Clinton Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>December 26, 2023</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>NPDES Renewal of a single residence sewage treatment plant (SRSTP).</u>		

**Summary of Review**

This is an NPDES renewal of an existing discharge.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 1018407): A 1,500 gallon concrete dual compartment septic tank with a Zabel A300 effluent filter, a Premier Tech EC7-500P EcoFlo Coco filter, a 1,000 gallon dual compartment concrete septic tank with a Salcor 3G Ultraviolet (UV) light disinfection unit in the second compartment along with a lift pump.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (343963) as of 3/1/2024.

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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	March 1, 2024
		(Vacant) / Environmental Engineer Manager	Okay to Draft JCD 3/4/2024

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>.0004</u>
Latitude	<u>40° 40' 43.00"</u>	Longitude	<u>-79° 51' 57.00"</u>
Quad Name	<u>Curtisville</u>	Quad Code	<u>40079F7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Bull Creek (TSF)</u>	Stream Code	<u>42457</u>
NHD Com ID	<u>123971245</u>	RMI	<u></u>
Drainage Area	<u></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u></u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>1428</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>18-A</u>	Chapter 93 Class.	<u>TSF</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	<u></u>
Temperature (°F)	<u>20</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>Allegheny County Sanitary Authority (ALCOSAN)</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1407</u>
PWS RMI	<u>1</u>	Distance from Outfall (mi)	<u>&gt;25</u>

Changes Since Last Permit Issuance: None.

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 Coco Filter.

The Coco Filter unit 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) <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/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 disinfection

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD<sub>5</sub> and Total Suspended Solids are BPJ limits based on the Small Flow Treatment Facilities Manual. Fecal Coliform is technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1  
eMap – Location Map

The screenshot displays a web-based mapping application. At the top, there are tabs for 'Map', 'eFacts Query', and 'Advanced Query'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar contains various navigation icons. On the right, a 'Locate Latitude and Longitude' dialog is open, showing input fields for Latitude (40, 40, 44.82) and Longitude (-79, 51, 59.78) in DD/MM/SS format, with 'Locate' and 'Close' buttons. A popup window titled 'Designated Use Streams (2 of 5)' is overlaid on the map, displaying the following details:

- Designated Use Gen ID: 25967
- GNIS Name: Bull Creek
- GNIS ID: 01170635
- ReachCode: 05010009000255
- COMID: 123971245
- Length Miles: 0.659
- Map Symbology: TSF
- Length Miles: 0.659
- Designated Use: 10
- DES Use ID: 7
- Use Description: TSF(TROUT STOCKING)
- Migratory\_Fish: N
- HUC: 05010009
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Fdit Date: Null
- Zoom to

The map shows a section of a creek with a yellow 'X' marker. A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The Esri logo is visible 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

Attachment 2  
Google Earth Imagery

