

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264474 A-1
APS ID 1095355
Authorization ID 1451741

Applicant, Facility and Project Information

Applicant Name	<u>Jeffrey & Jennifer Tait</u>	Facility Name	<u>Jeffrey & Jennifer Tait SRSTP</u>
Applicant Address	<u>204 Geibel Road</u> <u>Butler, PA 16002-9216</u>	Facility Address	<u>204 Geibel Road</u> <u>Butler, PA 16002-9216</u>
Applicant Contact	<u>Jennifer Tait</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 816-0641</u>	Facility Phone	<u></u>
Client ID	<u>379430</u>	Site ID	<u>814914</u>
SIC Code	<u>8800</u>	Municipality	<u>Summit Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>July 28, 2023</u>	WQM Required	<u>Yes – Transfer application received.</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>1016404 T-1</u>

Project Description This application is to renew NPDES Permit No. PA0264474 A-1 and transfer ownership of NPDES Permit No. PA0264474 A-1 and WQM Permit No. 1016404 T-1 from David Selfridge to Jeffrey and Jennifer Tait.

Summary of Review

This is an existing discharge which serves an existing 3-bedroom home.

Act 14 – Notification was submitted and received.

Treatment of this facility consists of (WQM Permit No. 1016404 T-1): A Norweco Singlair Bio-Kinetic Aerobic Unit (Model 960-500/600 GPD) and a Salcor UV Disinfection Unit.

There are is one open violation in WMS for the subject Client ID (379430) for failure to pay annual fee as of 5/13/24.

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	May 13, 2023
X		Jason Roessing, P.E. Jason Roessing, P.E. / Environmental Engineer Manager	May 20, 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° 50' 37.97"</u>	Longitude	<u>-79° 48' 44.98"</u>
Quad Name	<u>Saxonburg</u>	Quad Code	<u>40079G7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Bonnie Brook (WWF)</u>	Stream Code	<u>35158</u>
NHD Com ID	<u>126221596</u>	RMI	<u>0.1300</u>
Drainage Area	<u>1.5 mi²</u>	Yield (cfs/mi ²)	<u>0.0093</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.014</u>	Q ₇₋₁₀ Basis	<u>USGS – StreamStats</u>
Elevation (ft)	<u>1,112</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>20-C</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	<u></u>
Temperature (°F)	<u></u>		<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Beaver Falls Municipal Authority</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>561</u>
PWS RMI	<u>3.5</u>	Distance from Outfall (mi)	<u>58.8</u>

Changes Since Last Permit Issuance: No changes since last permit issuance.

Other Comments: An AMR was submitted with this renewal application. Reported values of BOD5 were 89.4 mg/l and reported values for TSS were 91 mg/l. These values are not in compliance with the limits set forth within the previous permit. Based on the inspection report the high reported values for BOD5 and TSS may have been due to the need for a new UV Bulb. The UV bulb was replaced after the test was performed and additional monitoring was not submitted.

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/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	Upon Request	Grab
CBOD5	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 Geo Mean	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.47. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location and Receiving Stream Data

The screenshot displays a web-based mapping 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 (40, 50, 37.97) and Longitude (-79, 48, 44.98) in DD/MM/SS format, with 'Locate' and 'Close' buttons. A central popup window titled 'PA Historic Streams (1 of 6)' displays the following data for 'Trib 35158 To Bonnie Brook':

- Name: Trib 35158 To Bonnie Brook
- Net Streams: 88937
- Shed: 20C
- Named: 0
- Rec No: 88937
- Seg ID: 35158_1.1656_1.4459
- Seg ID Old: 35158_1.1656_1.4459
- From Node: 60597
- To Node: 60388
- Down River Mile: 1.16557
- Up River Mile: 1.445947
- WRDS: 35158
- Strahler: 2

A 'Zoom to' link is visible at the bottom of the popup. Below the popup, the map shows a yellow crosshair with the coordinates 'Latitude: 40.843881 - Longitude: -79.812494'. The map includes a scale bar (0 to 0.2 miles) and an 'esri' logo in the bottom right corner. At the very bottom, a copyright notice reads: 'Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Internmap, 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

