

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0265730
APS ID 1094666
Authorization ID 1450565

Applicant, Facility and Project Information

Applicant Name	<u>Beth Wyszomierski</u>	Facility Name	<u>Beth Wyszomierski SRSTP</u>
Applicant Address	<u>3819 Chewton Wurtemberg Road</u> <u>Ellwood City, PA 16117</u>	Facility Address	<u>3819 Chewton Wurtemberg Road</u> <u>Ellwood City, PA 16117</u>
Applicant Contact	<u>Beth Wyszomierski</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 758-1979</u>	Facility Phone	<u></u>
Client ID	<u>340696</u>	Site ID	<u>826870</u>
SIC Code	<u>4952,8800</u>	Municipality	<u>Wayne Township</u>
SIC Description	<u>Private Households, Trans. & Utilities - Sewerage Systems</u>	County	<u>Lawrence</u>
Date Application Received	<u>July 13, 2023</u>	WQM Required	<u>Yes – Permit Received</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>3718402</u>
Project Description	<u>This is a renewal application for a Single Residence Sewage Treatment Plant (SRSTP) for an existing dwelling.</u>		

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. 3718402): A Norweco Singulair Aerobic Treatment Unit with Hydro-Kinetic Bio-Film Reactor and UV Radiation disinfection unit.

There are no open violations in WMS for the subject Client ID (340696) as of 08/21/2023 [8/28/2023 CWY](#). Compliance sent out a Notice of Violation on June 20, 2023 urging the permittee to submit a renewal application and the application was received on July 13, 2023.

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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	August 21, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	8/28/2023

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° 52' 53.96"</u>	Longitude	<u>-80° 16' 1.46"</u>
Quad Name	<u>New Castle South</u>	Quad Code	<u>40080H3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Duck Run (WWF)</u>	Stream Code	<u>34028</u>
NHD Com ID	<u>126221281</u>	RMI	<u>0.4400</u>
Drainage Area	<u>3.1 mi²</u>	Yield (cfs/mi ²)	<u>0.0107</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0332</u>	Q ₇₋₁₀ Basis	<u>USGS - StreamStats</u>
Elevation (ft)	<u>938</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>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>Duck Run</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>75</u>	Default - WWF	<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>12.3</u>

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

Other Comments: No AMRs have been uploaded to OnBase for this facility. Compliance noted that this facility has not submitted an AMR for the year of 2021 but there is no mention of more recent AMRs being submitted or not.

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	Upon Request	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	1000	1/year	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 Information

The screenshot displays a web-based mapping application interface. At the top, there are navigation tabs: '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 standard map controls like zoom in/out, pan, and home. A 'Streets' and 'Imagery' layer selector is visible on the left. The main map area shows a topographic view with a stream highlighted in cyan. A yellow 'X' icon is placed on the stream, and a popup window titled 'PA Historic Streams (1 of 6)' is open, displaying the following data:

Name:	Duck Run
Net Streams:	88756
Shed:	20C
Named:	1
Rec No:	88756
Seg ID:	34028_0.6265_1.4918
Seg ID Old:	34028_0.6265_1.4918
From Node:	57922
To Node:	58502
Down River Mile:	0.626518
Up River Mile:	1.491824
WRDS:	34028
Strahler:	2

Below the popup, there is a 'Zoom to' link. A 'Locate Latitude and Longitude' dialog box is also open, showing input fields for latitude and longitude in DD/MM/SS format. The latitude is 40 52 53.96 and the longitude is -80 16 1.46. The map includes a scale bar (0 to 0.2 miles) and an 'esri' logo in the bottom right corner. At the bottom of the application window, there is a copyright notice: '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

