

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0293156
APS ID 1086704
Authorization ID 1436447

Applicant, Facility and Project Information

Applicant Name	<u>Harold Beimel</u>	Facility Name	<u>Harold Beimel SRSTP</u>
Applicant Address	<u>134 Country Club Road</u> <u>Ridgway, PA 15853</u>	Facility Address	<u>1936 Arroyo Road</u> <u>Ridgway, PA 15853</u>
Applicant Contact	<u>Harold Beimel</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 594-4267</u>	Facility Phone	<u></u>
Client ID	<u>376778</u>	Site ID	<u>862674</u>
SIC Code	<u>8800</u>	Municipality	<u>Spring Creek Township</u>
SIC Description	<u>Private Households</u>	County	<u>Elk</u>
Date Application Received	<u>April 4, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2423401</u>
Project Description	<u>Single Residence Sewer Treatment Plant (SRSTP) for an existing dwelling to repair malfunctioning on-lot system.</u>		

Summary of Review

This is a new discharge for an existing 3-bedroom home to replace a malfunctioning on-lot septic system.

Act 14 – Proof of notification was submitted and received.

The treatment process will consist of (WQM Permit No. 2423401): From the dwelling the sewage will flow to a new, NSF approved Premier Tech EcoFlo EC7-500-P-P-PACK-DiUV Coco filter with an integrated *septic tank and* DiUV unit before discharging on the owner's property into a drainage channel.

EPA Waiver is in effect

There are no open violations in WMS for the subject Client ID (376778) as of 4/21/2023. *4/28/2023 CWY*

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 24, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	4/28/2023

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>41° 23' 31.63"</u>	Longitude	<u>-78° 52' 57.37"</u>
Quad Name	<u>Hallton</u>	Quad Code	<u>41078D8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Clarion River (CWF)</u>	Stream Code	<u>49224</u>
NHD Com ID	<u>102666445</u>	RMI	<u>0.0700</u>
Drainage Area	<u>.000695</u>	Yield (cfs/mi ²)	<u>.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>.000695</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1303</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>17-A</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>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</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>Pennsylvania American Water Company - Clarion</u>		
PWS Waters	<u>Clarion River</u>	Flow at Intake (cfs)	<u>90.7</u>
PWS RMI	<u>33.3</u>	Distance from Outfall (mi)	<u>45.9</u>

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on March 20, 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 Coco filter.

The [Premier Tech EC7-P-P-PACK-DiUV](#) 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 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 – Map Location

The screenshot displays an ESRI eMap interface. At the top left, there are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. Below these are 'Streets' and 'Imagery' dropdown menus. A toolbar with navigation icons is located at the top center. On the right side, a 'Locate Latitude and Longitude' dialog box is open, showing 'DD/MM/SS' as the selected format. The 'Latitude' field contains '41' in the 'Degrees' column, '23' in the 'Minutes' column, and '31.63' in the 'Seconds' column. The 'Longitude' field contains '-78' in the 'Degrees' column, '52' in the 'Minutes' column, and '57.37' in the 'Seconds' column. 'Locate' and 'Close' buttons are at the bottom of the dialog. The main map area shows a river system with a yellow 'X' marker. A data popup window titled 'PA Historic Streams (1 of 6)' is open over the marker, displaying the following information: Name: Clarion River, Net Streams: 99600, Shed: 17A, Named: 1, Rec No: 99600, Seg ID: 49224_78.928_79.3434, Seg ID Old: 49224_78.9278_79.3433, From Node: 34838, To Node: 34703, Down River Mile: 78.927972, Up River Mile: 79.343402, WRDS: 49224, Strahler: 6. A 'Zoom to' link is at the bottom of the popup. The map also shows 'State Gamelands No 044' and a scale bar at the bottom left. The ESRI logo is in the bottom right corner.

Latitude: 41.392119

PA Historic Streams (1 of 6)

Name: Clarion River
Net Streams: 99600
Shed: 17A
Named: 1
Rec No: 99600
Seg ID: 49224_78.928_79.3434
Seg ID Old: 49224_78.9278_79.3433
From Node: 34838
To Node: 34703
Down River Mile: 78.927972
Up River Mile: 79.343402
WRDS: 49224
Strahler: 6

[Zoom to](#)

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

