

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0264946 A-1  
APS ID 1091090  
Authorization ID 1444388

**Applicant, Facility and Project Information**

Applicant Name	<u>Kaela Reinhart</u>	Facility Name	<u>Kaela Reinhart SRSTP</u>
Applicant Address	<u>2108 Mercer Road</u> <u>Fredonia, PA 16124-1824</u>	Facility Address	<u>2108 Mercer Road</u> <u>Fredonia, PA 16124-1824</u>
Applicant Contact	<u>Kaela Reinhart</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 815-8049</u>	Facility Phone	<u></u>
Client ID	<u>378016</u>	Site ID	<u>819655</u>
SIC Code	<u>8800</u>	Municipality	<u>Delaware Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer</u>
Date Application Received	<u>June 2, 2023</u>	WQM Required	<u>Yes – Transfer application received</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>4317403 T-1</u>
Project Description	<u>Application to renew an expired NPDES Permit and transfer ownership from Richard Secor to Kaela Reinhart.</u>		

**Summary of Review**

This is an existing discharge previously permitted under an NPDES Permit.

Act 14 – Notification was submitted and received.

Treatment consists of (WQM Permit No. 4317403 T-1): A Norweco Singlair Model 960 Aerobic Unit followed by a bio-fil reactor, tablet chlorinator, and chlorine contact tank.

There are no open violations in WMS for the subject Client ID (378016) as of 06/26/2023. [7/10/2023 CWY](#)

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	June 26, 2023
X		Chad W. Yurismic Chad W. Yurismic, P.E. / Environmental Engineer Manager	7/10/2023

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° 19' 44.68"</u>	Longitude	<u>-80° 18' 56.68"</u>
Quad Name	<u>Fredonia</u>	Quad Code	<u>41080C3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Shenango River (WWF)</u>	Stream Code	<u>36088</u>
NHD Com ID	<u>130025807</u>	RMI	<u>1.4900</u>
Drainage Area	<u>0.74</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0078</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.00574</u>	Q <sub>7-10</sub> Basis	<u>USGS – StreamStats</u>
Elevation (ft)	<u>1158</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>20-A</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>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>Reynolds Water Company</u>		
PWS Waters	<u>Big Run and Shenango River</u>	Flow at Intake (cfs)	<u>--</u>
PWS RMI	<u>0.15</u>	Distance from Outfall (mi)	<u>7.78</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 the Norweco Singlair system.

The Norweco Singlair system 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 an 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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	Upon Request	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	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 (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	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 Data

The screenshot displays an ArcGIS eMap 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 with navigation icons is visible. The main map area shows a topographic view of a region with roads like 'Hamburg Rd', 'Mercer Rd', and 'Haas Loop Rd', and streams like 'Lawango Run' and 'Falls Ln'. A specific stream segment is highlighted in cyan, with a yellow 'X' marker and the text 'Latitude: 41.329078 - Longitude: -80.291856'. A popup window titled 'PA Historic Streams (1 of 6)' is open over this segment, displaying the following data:

<b>Name:</b>	Trib 36088 To Shenango River		
<b>Net Streams:</b>	116952		
<b>Shed:</b>	20A		
<b>Named:</b>	0		
<b>Rec No:</b>	116952		
<b>Seg ID:</b>	36088_0_2.2487		
<b>Seg ID Old:</b>	36088_0_2.2487		
<b>From Node:</b>	36871		
<b>To Node:</b>	37245		
<b>Down River Mile:</b>	0		
<b>Up River Mile:</b>	2.248677		
<b>WRDS:</b>	36088		
<b>Strahler:</b>	1		

Below the popup, there is a 'Zoom to' link. To the right of the map, a 'Locate Latitude and Longitude' dialog is open, showing input fields for Latitude (41, 19, 44.68) and Longitude (-80, 18, 56.68) in DD/MM/SS format, with 'Locate' and 'Close' buttons. The map includes a scale bar (0 to 0.2 miles) and an 'esri' logo. At the bottom, a copyright notice reads: 'Imagery: undefined; 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

