

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0265641  
APS ID 1087195  
Authorization ID 1437211

**Applicant, Facility and Project Information**

Applicant Name	<u>Monika Koch</u>	Facility Name	<u>Monika Koch SRSTP</u>
Applicant Address	<u>9271 Station Road</u> <u>Erie, PA 19510</u>	Facility Address	<u>9271 Station Road</u> <u>Erie, PA 19510</u>
Applicant Contact	<u>Monika Koch</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 725-1319</u>	Facility Phone	<u></u>
Client ID	<u>376891</u>	Site ID	<u>825960</u>
SIC Code	<u>8800</u>	Municipality	<u>Greenfield Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>April 11, 2023</u>	WQM Required	<u>Yes - Transfer</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2518401 T-1</u>
Project Description	<u>Renewal and transfer of an NPDES Permit for a Single Residence Sewage Treatment Plant (SRSTP) for an existing dwelling.</u>		

**Summary of Review**

This is an existing discharge for a 3-bedroom home, previously permitted under an NPDES Permit.

Act 14 – Proof of notification was submitted and received.

Treatment consists of (WQM Permit No. 2518401): A Norweco Singulair Model 960 Aerobic unit, Norweco Bio-Film Reactor, and a Salcor UV Disinfection unit. Design flow is 400 GPD.

Applicant has submitted evidence that the tank has been pumped and effluent has been tested in the permit cycle. Based on effluent test data provided, the system can meet the limits placed on the previous permit.

There are no open violations in WMS for subject Client ID (376891) as of 4/28/2023. *5/2/2023 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 28, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	5/2/2023

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>42° 6' 58.92"</u>	Longitude	<u>-79° 53' 43.1"</u>
Quad Name	<u>Hammett</u>	Quad Code	<u>42079A8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Sixmile Creek (CWF, MF)</u>	Stream Code	<u>62367</u>
NHD Com ID	<u>123923450</u>	RMI	<u>0.1000</u>
Drainage Area	<u>--</u>	Yield (cfs/mi <sup>2</sup> )	<u>--</u>
Q <sub>7-10</sub> Flow (cfs)	<u>--</u>	Q <sub>7-10</sub> Basis	<u>--</u>
Elevation (ft)	<u>1406</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>15-X</u>	Chapter 93 Class.	<u>CWF, MF</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></u>		<u></u>
Temperature (°F)	<u>20</u>	Default (CWF)	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake <u></u>			
PWS Waters	<u>Lake Erie</u>	Flow at Intake (cfs)	<u>PA/Canadian International Boundary</u>
PWS RMI	<u>--</u>	Distance from Outfall (mi)	<u>--</u>

Changes Since Last Permit Issuance: Change of ownership from last permit issuance.

Other Comments: This facility is designed in accordance with the Small Flow Treatment Facility (SFTF) Manual but does not qualify for the PAG-04 General Permit due to the use of the Norweco Singlair system.

The Norweco Singlair system is capable of meeting limits set forth in the previous permit issuance for BOD<sub>5</sub> of 10 mg/l and TSS of 10 mg/l.

No modeling was performed since this is a renewal of an existing NPDES Permit.

**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>, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a 47. The limits for pH are technology-based on Chapter 93 7.

Special Conditions:

- Requirement to submit an Annual Maintenance Report
- No stormwater admitted to the treatment system
- Aerobic tank pumping requirement
- Solids handling

Attachment 1  
eMap – Location Map

The screenshot shows an ArcGIS web application interface. At the top left, there are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. Below these are 'Streets' and 'Imagery' layers. A toolbar with navigation icons is at the top center. On the right, a 'Locate Latitude and Longitude' dialog box is open, showing 'DD/MM/SS' format with Latitude: 42 6 58.92 and Longitude: -79 53 43.1. A popup window titled 'PA Historic Streams (1 of 7)' is open over a stream segment, displaying the following data:

<b>Name:</b>	Trib 62367 To Sixmile Creek
<b>Net Streams:</b>	65580
<b>Shed:</b>	15X
<b>Named:</b>	0
<b>Rec No:</b>	65580
<b>Seg ID:</b>	62367_0.8949_1.1598
<b>Seg ID Old:</b>	62367_0.8949_1.1598
<b>From Node:</b>	314
<b>To Node:</b>	311
<b>Down River Mile:</b>	0.894898
<b>Up River Mile:</b>	1.159766
<b>WRDS:</b>	62367
<b>Strahler:</b>	2

The popup also includes a 'Zoom to' link. The map shows a stream network in blue on a topographic background. Roads labeled 'Station Rd' and 'Wales Rd' are visible. A scale bar at the bottom left indicates 0 to 0.2 miles. The Esri logo is in the bottom right corner.

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

