

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0288080  
APS ID 1010780  
Authorization ID 1304521

**Applicant, Facility and Project Information**

Applicant Name	<u>Allison Seppala</u>	Facility Name	<u>Allison Seppala SRSTP</u>
Applicant Address	<u>10300 Route 98</u> <u>Edinboro, PA 16412-3620</u>	Facility Address	<u>9871 Old Route 99</u> <u>Mckean, PA 16426</u>
Applicant Contact	<u>Allison Seppala</u>	Facility Contact	<u>Allison Seppala</u>
Applicant Phone	<u>(814) 969-0156</u>	Facility Phone	<u>(814) 969-0156</u>
Client ID	<u>355032</u>	Site ID	<u>838843</u>
SIC Code	<u>8800</u>	Municipality	<u>McKean Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>January 29, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>February 21, 2020</u>	WQM App. No.	<u>2520402</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

**Summary of Review**

This is a new discharge for an existing 3-bedroom home and 1-bedroom cottage (not considered to be a separate dwelling) to a repair of an existing malfunctioning on-lot system.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 2520402): A Norweco Model 960 unit followed by a Norweco Biofilm Reactor and a Ultraviolet (UV) light disinfection unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (355032) as of 2/21/2020

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		Jordan A. Frey. / Civil Engineer Trainee	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>41° 58' 17.2"</u>	Longitude	<u>-80° 8' 31.6"</u>
Quad Name	<u>Edinboro North</u>	Quad Code	<u>41080H2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Lamson Run (CWF, MF)</u>	Stream Code	<u>62598</u>
NHD Com ID	<u>123922448</u>	RMI	<u>0.0900</u>
Drainage Area	<u>0.26 sq. mi. (StreamStats)</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.026</u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>1090</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>15A</u>	Chapter 93 Class.	<u>Cold Water Fishes, Migratory Fishes</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>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>International Boundary – Lake Erie</u>		
PWS Waters	<u>Lake Erie</u>	Flow at Intake (cfs)	<u>---</u>
PWS RMI	<u>N/A</u>	Distance from Outfall (mi)	<u>&gt; 23.75 miles</u>

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on December 3, 2019)

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 a Norweco Singulair Model 960. The proposed discharge is to resolve a repair of a malfunctioning on-lot system.

The Norweco 960 is reportedly capable of meeting CBOD<sub>5</sub> averages of 6 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) <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.

Attachment 1  
eMap – Location Map / Receiving Stream Designation

The screenshot displays the eMapPA web application interface. At the top, there is a banner for Pennsylvania Department of Environmental Protection with the eMapPA logo and navigation links for PA State Agencies, Online Services, and DEP Home. The main interface includes a map of McKean Twp with various roads and streams. A popup window titled "Designated Use Streams (1 of 5)" provides detailed information for a specific stream:

Locate Latitude and Longitude		
<input type="radio"/> Decimal Degrees	<input checked="" type="radio"/> DD/MM/SS	
Latitude:	Degrees: 41	Minutes: 58
		Seconds: 17.2
Longitude:	-80	8
		31.6

Designated Use Streams (1 of 5)	
<b>Designated Use Gen ID:</b>	85671
<b>GNIS Name:</b>	
<b>GNIS ID:</b>	
<b>ReachCode:</b>	04120101004839
<b>COMID:</b>	123922447
<b>Length Miles:</b>	0.043
<b>Map Symbology:</b>	CWF
<b>Length Miles:</b>	0.043
<b>Designated Use:</b>	2
<b>DES Use ID:</b>	1
<b>Use Description:</b>	CWF(COLD WATER FISHES)
<b>Migratory_Fish:</b>	Y
<b>HUC:</b>	04120101
<b>Basin:</b>	N
<b>Basin Narrative:</b>	Null
<b>Segment Narrative:</b>	Null
<b>Evaluation Date:</b>	Null
<b>Last Edit Date:</b>	Null
<b>Zoom to</b>	

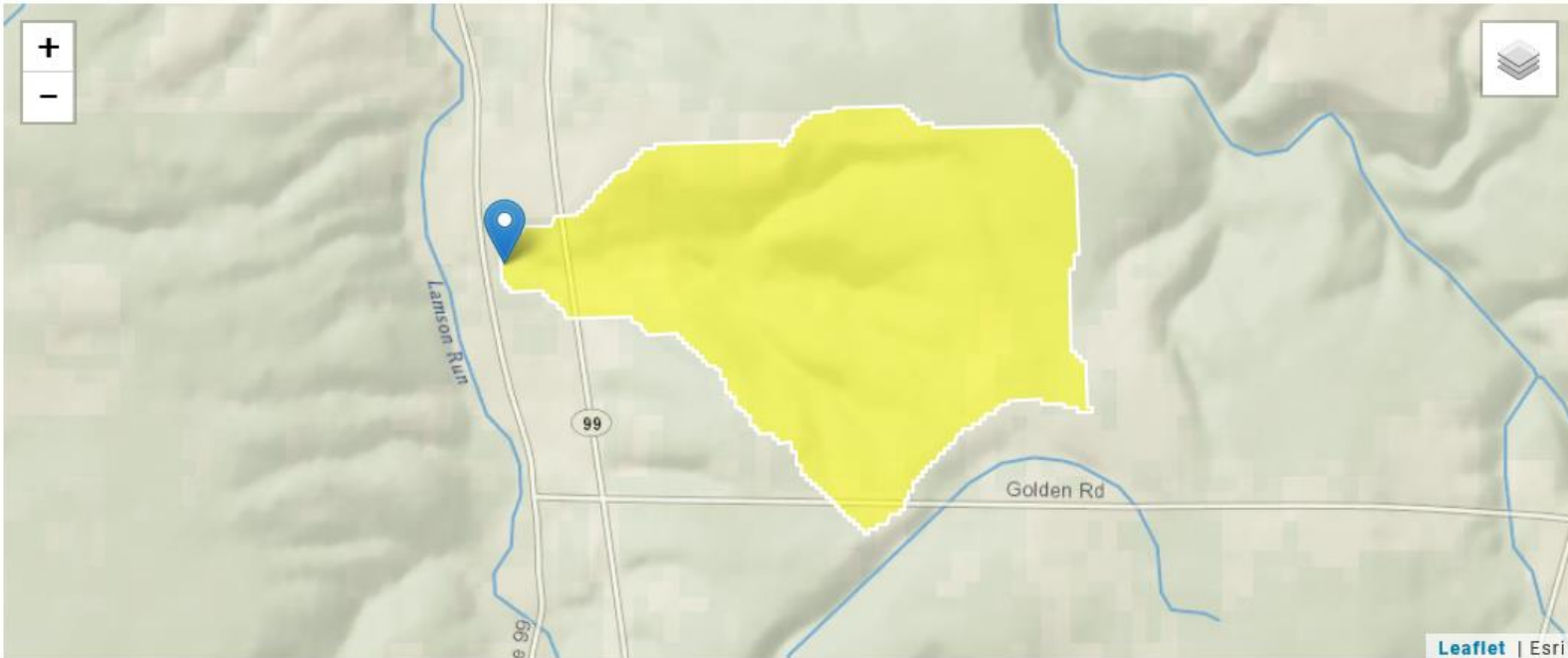
At the bottom of the map, a scale bar shows 0, 0.2, and 0.4 miles. A source note at the very bottom reads: "Imagery: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, 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  
StreamStats Report – Drainage Area

## StreamStats Report

Region ID:  
Workspace ID:  
Clicked Point (Latitude, Longitude):  
Time:

PA  
PA20200221153610990000  
41.97141, -80.14228  
2020-02-21 10:36:28 -0500



### Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.26	square miles