

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0238791
APS ID 1095308
Authorization ID 1451651

Applicant, Facility and Project Information

Applicant Name	<u>Rae Kent Gardner</u>	Facility Name	<u>Rae Kent Gardner SRSTP</u>
Applicant Address	<u>4926 Follett Run Road</u> <u>Warren, PA 16365-8559</u>	Facility Address	<u>4926 Follett Run Road</u> <u>Warren, PA 16365-8559</u>
Applicant Contact	<u>Rae Gardner</u>	Facility Contact	<u></u>
Applicant Phone	<u></u>	Facility Phone	<u></u>
Client ID	<u>161832</u>	Site ID	<u>537096</u>
SIC Code	<u>4952,8811</u>	Municipality	<u>Conewango Township</u>
SIC Description	<u>Services - Private Households, Trans. & Utilities - Sewerage Systems</u>	County	<u>Warren</u>
Date Application Received	<u>August 3, 2023</u>	WQM Required	<u>Yes – Permit Received</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>6202404</u>
Project Description	<u>This is a renewal application for a Single Residence Sewage Treatment Plant (SRSTP) which serves 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. The applicant did send in a signed Act 14 notification for Conewango Township after his application was submitted and it is uploaded to the file folder.

Treatment at this facility consists of (WQM Permit No. 6202404): A 1,000-gallon 3 compartment tank, a 500-gallon pump tank from which effluent flows to the distribution pipe onto the top of the lined sand filter, once the effluent flows down out of sand filter it enters the tablet chlorinator and then into a 300 gallon Chlorine Contact Tank.

There are no open violations in WMS for the subject Client ID (161832) as of 8/29/2023. [11/14/2023 CWY](#) It should be noted that compliance sent out a letter on June 14, 2023 urging the applicant to submit a renewal application within 30 days. This application was received on 8/3/2023.

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 29, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	11/14/2023

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° 53' 20"</u>	Longitude	<u>-79° 14' 2"</u>
Quad Name	<u>Russell</u>	Quad Code	<u>41079H2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Morse Run (HQ-CWF)</u>	Stream Code	<u>Unknown</u>
NHD Com ID	<u>112373877</u>	RMI	<u>1.7000</u>
Drainage Area	<u>0.035</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry Stream</u>
Elevation (ft)	<u>1764.00</u>	Slope (ft/ft)	<u>0.04735</u>
Watershed No.	<u>16-B</u>	Chapter 93 Class.	<u>HQ-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>7.0</u>	Default	<u></u>
Temperature (°F)	<u></u>		<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1,376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>99.3</u>

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

Other Comments: This facility discharges to a dry stream approximately 1,000 feet to the southwest of the discharge point. The NHD location for this discharge is at the confluence with the USGS designated Morse Run at RMI 0.37. Testing data submitted for this facility includes one parameter that is not in compliance. The applicant submitted testing data for Fecal Coliforms from 2022 and 2023 with the application package. The submitted data includes one parameter out of compliance which was for the 2022 Fecal Coliform parameter, the data submitted for this parameter was 1,046 No./100 ml. The testing data submitted for 2023 suggests that the applicant must have figured out there was something wrong with his system and fixed it as the submitted data for Fecal Coliform in 2023 was only 2 No./100 ml.

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.

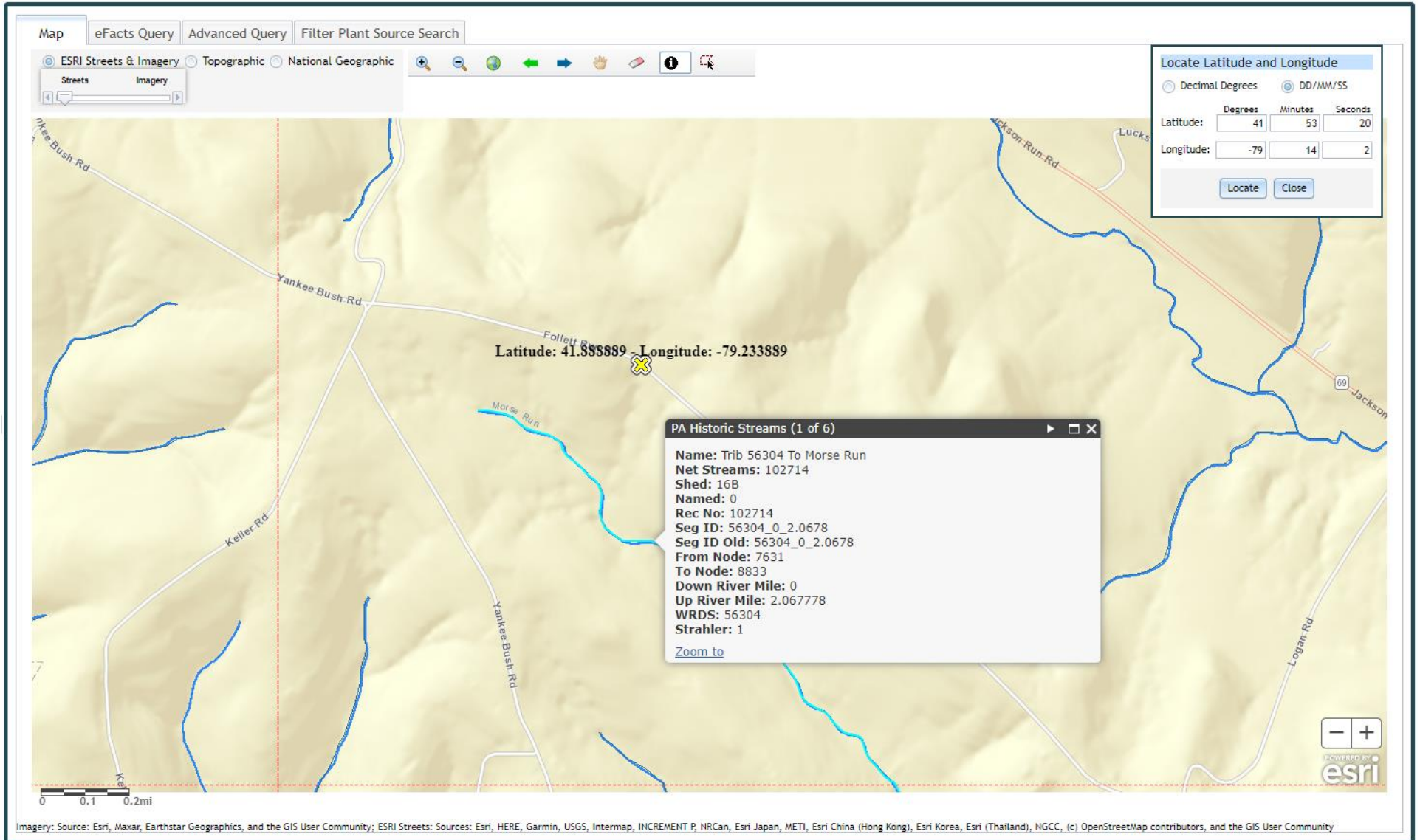
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	1/month	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	1/month	Grab
CBOD5	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 Data



Attachment 2
Google Earth – Site Imagery

