

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264369
APS ID 1054505
Authorization ID 1381180

Applicant, Facility and Project Information

Applicant Name	<u>Jacob Dehart</u>	Facility Name	<u>Jacob Dehart SRSTP</u>
Applicant Address	<u>2060 Lime Plant Road</u> <u>Parker, PA 16049-5030</u>	Facility Address	<u>2060 Lime Plant Road</u> <u>Parker, PA 16049-5030</u>
Applicant Contact	<u>Jacob Dehart</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 616-1020</u>	Facility Phone	<u></u>
Client ID	<u>325521</u>	Site ID	<u>811562</u>
SIC Code	<u>8800</u>	Municipality	<u>Perry Township</u>
SIC Description	<u>Private Households</u>	County	<u>Clarion</u>
Date Application Received	<u>January 10, 2022</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>December 23, 2022</u>	WQM App. No.	<u>1616401</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

Summary of Review

Renewal Permit for a SRSTP consists of: A Norweco Singulair Model 960 aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber with a built-in tablet chlorinator, all in series discharging to a 500-gallon lift tank with a Goulds WE03M 1/3 HP pump discharging to the point of discharge.

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: None.

The EPA Waiver is NOT in effect due to discharge to TMDL waters.

There are NO open violations in WMS for the subject Client ID (325521) as of December 23, 2022.

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		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer Trainee	December 23, 2022
X		Adam J. Pesek (Lead Reviewer) for Vacant / Environmental Engineer Manager	January 9, 2023

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 7' 21.78"</u>	Longitude	<u>-79° 38' 14.16"</u>
Quad Name	<u>Parker</u>	Quad Code	<u>41079A6</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Clarion River (CWF)</u>	Stream Code	<u>49257</u>
NHD Com ID	<u>102671855</u>	RMI	<u>0.49</u>
Drainage Area	<u>0.00027</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.000027</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1289</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>17-B</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>Impaired</u>		
Cause(s) of Impairment	<u>METALS, PH</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE, ACID MINE DRAINAGE</u>		
TMDL Status	<u>Final</u>	Name	<u>Lower Clarion River Watershed TMDL</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	
Temperature (°C)	<u>20</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u></u>		
Nearest Downstream Public Water Supply Intake	<u>Parker Area Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>952</u>
PWS RMI	<u>83.94</u>	Distance from Outfall (mi)	<u>10.64</u>

Changes Since Last Permit Issuance: None

Other Comments: This SRSTP does not qualify for the PAG-04 General Permit due to the use of a Norweco Singlair Model 960. Additionally, the discharge is located within a TMDL with pH listed as one of the causes of impairment and an Individual Permit is more appropriate to ensure consistency with the TMDL. The discharge is to resolve a repair of a failed on-lot system. Therefore, water quality improvements would be expected resulting in no negative impacts to the TMDL.

Compliance History

The following AMRs data submitted for reporting period June 1, 2019 to May 31, 2020

Effluent Monitoring Data												
Parameter	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
TRC (mg/L)	0.5	0.5	0.3	0.5	0.3	0.3	0.5	0.5	0.3	0.3	0.5	0.5
UV												
BOD5 (mg/L)												
pH (S.U.)	7.6	7.8	7.6	7.2	7.6	7.6	7.8	7.6	7.2	7.6	7.6	7.8
TSS (mg/L)												
Fecal Coliform (No./100 mL)												
Flow (GPD)												

Other Comments:

- Septic Tank was pumped on October 5, 2018. Due to the heavy scum layer, the owner's service provider advised that the tank needs to be pumped again.
- Aerobic Tank inspected.

Effluent Testing Information as of November 30, 2021

Parameter	Effluent Testing Information				
	Maximum Daily Value		Average Monthly Value		
	Value	Units	Value	Units	No. Samples
Flow	XXX	GPD	XXX	GPD	XXX
pH (Minimum)	7.2	S.U.	XXX	S.U.	XXX
pH (Maximum)	8.2	S.U.	XXX	S.U.	XXX
TRC	0.5 PPM	mg/L	0.4 PPM	mg/L	24
BOD5	< 4	mg/L	< 4	mg/L	1
TSS	< 5	mg/L	< 5	mg/L	1
Fecal Coliform	57	No./100 mL	57	No./100 mL	1

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	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/month	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
BOD5	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 (CFU/100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: Flow and TRC are monitor only based on Chapter 92a.61. The limits for BOD₅, Total Suspended Solids, and Fecal Coliform are BPJ/technology-based on the Department's "Small Flow Treatment Facilities Manual." The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established at once per month coinciding with the frequency for TRC due to the discharge being in a TMDL with pH listed as one of the causes of impairment.

Outfall Location - eMap with Aerial Imagery

The screenshot displays the Pennsylvania eMapPA web application interface. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and navigation links for PA State Agencies, Online Services, and DEP Home are on the right. The main map area shows aerial imagery with a cyan line representing a stream. A yellow 'X' marks a specific location on the map with coordinates Latitude: 41.122131 and Longitude: -79.638975. A legend on the left side categorizes streams and water quality, including 'Regulated Facilities and Related Information', 'Streams and Water Resources', and 'Water Quality'. A pop-up window titled 'Designated Use Streams (1 of 4)' provides the following details:

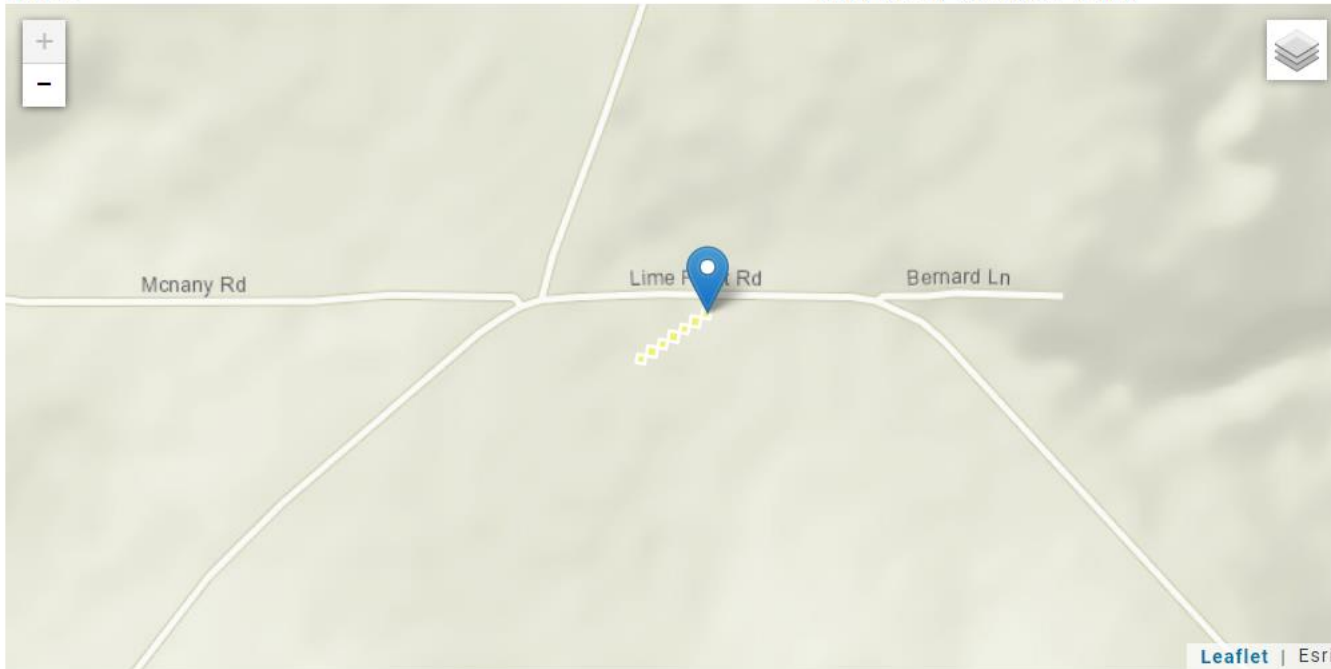
- Designated Use Gen ID: 38135
- GNIS Name:
- GNIS ID:
- ReachCode: 05010005002582
- COMID: 102671855
- Length Miles: 0.491
- Map Symbology: CWF
- Length Miles: 0.491
- Designated Use: 1
- DES Use ID: 1
- Use Description: CWF(COLD WATER FISHES)
- Migratory_Fish: N
- HUC: 05010005
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Edit Date: Null
- Zoom to

At the bottom of the map, a scale bar indicates 0, 150, and 300 feet. The ESRI logo is visible in the bottom right corner of the map area.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20221227153532190000
Clicked Point (Latitude, Longitude): 41.12216, -79.63903
Time: 2022-12-27 10:35:53 -0500



+ Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.00027	square miles