

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0265624  
APS ID 1082180  
Authorization ID 1428975

**Applicant, Facility and Project Information**

Applicant Name	<u>Vernon Jacquel</u>	Facility Name	<u>Vernon Jacquel SRSTP</u>
Applicant Address	<u>5141 Kevin Drive</u> <u>Mckean, PA 16426-1421</u>	Facility Address	<u>677 Hunt Road</u> <u>Pittsfield, PA 16340</u>
Applicant Contact	<u>Vernon Jacquel</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 476-1058</u>	Facility Phone	<u></u>
Applicant Email	<u>krisdanpot@gmail.com</u>		
Client ID	<u>340220</u>	Site ID	<u>826535</u>
SIC Code	<u>8800</u>	Municipality	<u>Eldred Township</u>
SIC Description	<u>Private Households</u>	County	<u>Warren</u>
Date Application Received	<u>February 21, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>March 7, 2023</u>	WQM App. No.	<u>6218401</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

**Summary of Review**

Renewal Permit for a SRSTP consisting of: A Norweco Singulair Model 960-500 Aerobic unit, a Norweco Bio-Film Reactor, and a UV disinfection unit and effluent pump tank.

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (340220) as of March 7, 2023 *4/6/2023 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		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer Trainee	March 7, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	4/6/2023

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° 46' 54.12"</u>	Longitude	<u>-79° 30' 59.95"</u>
Quad Name	<u>Spring Creek</u>	Quad Code	<u>0409</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to West Branch Caldwell Creek (EV)</u>	Stream Code	<u>54280</u>
NHD Com ID	<u>100468157</u>	RMI	<u>1.3000</u>
Drainage Area	<u></u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>0</u>	Q <sub>7-10</sub> Basis	<u>Dry Stream</u>
Elevation (ft)	<u>1799</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-E</u>	Chapter 93 Class.	<u>EV</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>MERCURY</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status	<u>---</u>	Name	<u>---</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	<u></u>
Temperature (°F)	<u>20</u>	Default (EV – CWF)	<u></u>
Hardness (mg/L)	<u>100</u>	Default	<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>1376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: None.

Other Comments: AMRs have not submitted.

**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	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 (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after UV Disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids are BPJ-based on the Department’s “Small Flow Treatment Facilities Manual.” Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

**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', 'Josh Shapiro, Governor', 'Rich Negrin, Acting Secretary', and 'DEP Home' are on the right. The main map area shows aerial imagery with stream data overlaid. A popup window titled 'Designated Use Streams (1 of 3)' is open over a stream segment, displaying the following metadata:

- Designated Use Gen ID: 81006
- GNIS Name:
- GNIS ID:
- Reach ID: 05010003001688
- COMID: 100468157
- Length Miles: 1.302
- Map Symbology: EV
- Length Miles: 1.302
- Designated Use: 3
- DES Use ID: 2
- Use Description: EV(EXCEPTIONAL VALUE)
- Migratory\_Fish: N
- HUC: 05010003
- Basin: N
- Basin Narrative: Unknown
- Segment Narrative: Unknown
- Evaluation Date: Null
- Last Fdit Date: 1/31/2007 11:53:24 AM
- [Zoom to](#)

A 'Locate Latitude and Longitude' dialog box is also visible on the right side of the map, showing the following coordinates:

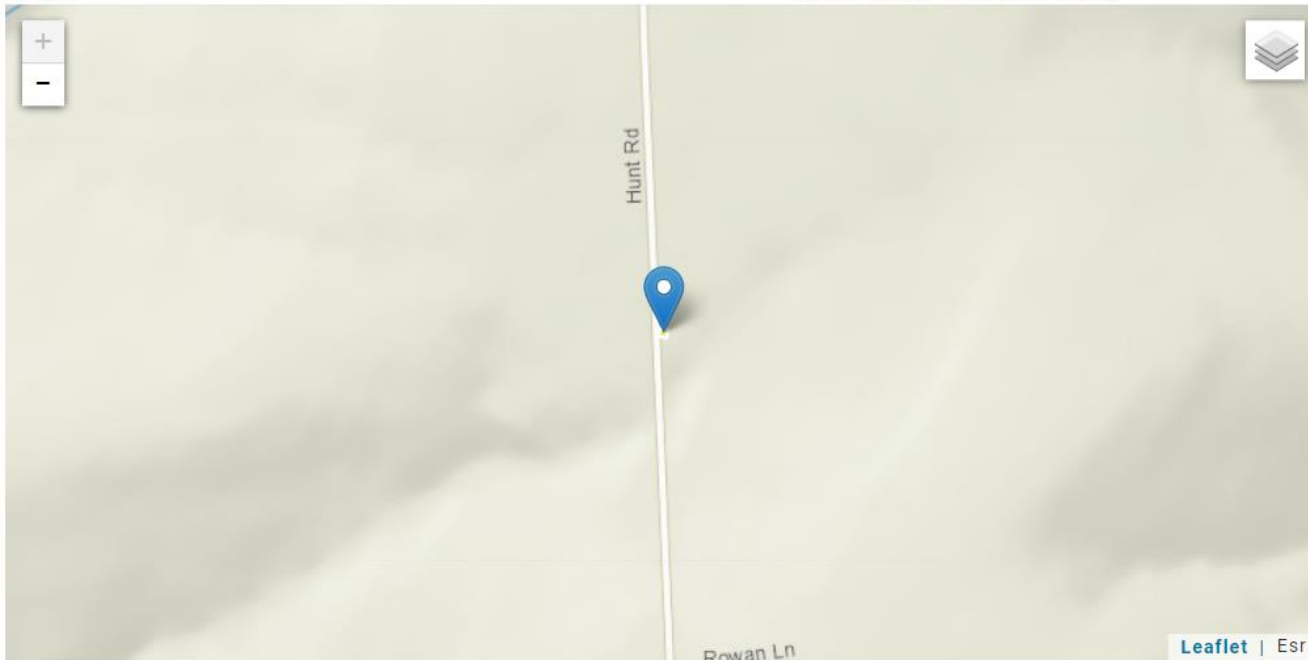
- Format:  DD/MM/SS
- Latitude: Degrees: 41, Minutes: 46, Seconds: 54.12
- Longitude: Degrees: -79, Minutes: 30, Seconds: 59.95
- Buttons: Locate, Close

The map interface includes a legend on the left with categories for 'Regulated Facilities and Related Information', 'Streams and Water Resources', and 'Water Quality'. The legend lists various stream types such as 'Cold Water Fish', 'Exceptional Value', 'High Quality', 'Trout Stocking', and 'Warm Water Fish'. The map also features a scale bar (0 to 0.4 miles) and a 'Powered by Esri' logo in the bottom right corner.

**Drainage Area Location – StreamStats with Aerial Imagery**

StreamStats Report

Region ID: PA  
Workspace ID: PA20230307201420019000  
Clicked Point (Latitude, Longitude): 41.78171, -79.51663  
Time: 2023-03-07 15:14:41 -0500



[+ Collapse All](#)

**> Basin Characteristics**

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0000386	square miles