

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0264407  
APS ID 1047168  
Authorization ID 1368543

**Applicant, Facility and Project Information**

Applicant Name	<u>Nicholas Romeo</u>	Facility Name	<u>Nicholas Romeo SRSTP</u>
Applicant Address	<u>316 Logan Road</u> <u>Valencia, PA 16059-3504</u>	Facility Address	<u>316 Logan Road</u> <u>Valencia, PA 16059-3504</u>
Applicant Contact	<u>Nicholas Romeo</u>	Facility Contact	<u>Nicholas Romeo</u>
Applicant Phone	<u>(724) 553-6585</u>	Facility Phone	<u>(724) 553-6585</u>
Client ID	<u>325655</u>	Site ID	<u>809084</u>
SIC Code	<u>8800</u>	Municipality	<u>Penn Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>September 1, 2021</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>August 31, 2022</u>	WQM App. No.	<u></u>
Project Description	<u>NPDES permit renewal for an SRSTP.</u>		

**Summary of Review**

This is a discharge of a single residence sewage treatment plant (SRSTP) that replaced a malfunctioning on-lot system located at 316 Logan Road, Valencia, PA 16059. The NPDES permit is being renewed.

The discharge does not qualify for a General NPDES Permit (PAG-04) because the proposed SRSTP design is not in accordance with the Department's "Small Flow Treatment Facilities Manual."

Act 14 – Proof of Notification was submitted and received.

Existing treatment consists of (WQM Permit No. 1016401): a Norweco Singlair Model 960 Aerobic Unit with a Bio-Film Reactor and UV disinfection.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (325655) as of September 19, 2022.

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Project Manager	September 19, 2022
X		Adam J. Pesek (Lead Reviewer) for Vacant / Environmental Engineer Manager	September 23, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>40° 44' 44.14"</u>	Longitude	<u>-79° 53' 7.58"</u>
Quad Name	<u>Valencia</u>	Quad Code	<u>1306</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Thorn Creek</u>	Stream Code	<u>35213</u>
NHD Com ID	<u>126222353</u>	RMI	<u>1.97</u>
Drainage Area	<u>0.2</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0277</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.05</u>	Q <sub>7-10</sub> Basis	<u>USGS# 03049000</u>
Elevation (ft)	<u>1193</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-C</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>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>7.14</u>	WQN 929	<u></u>
Temperature (°C)	<u>20</u>	CWF Default	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Harmony Borough Water Authority</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>1.1</u>	Distance from Outfall (mi)	<u>46.7</u>

Changes Since Last Permit Issuance: None

Other Comments: This treatment facility is capable of meeting effluent limitations.

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.

<b>Compliance History</b>	
<b>Summary of AMRs:</b>	This facility was permitted in May, 2016. No AMRs have been submitted to date. Permittee indicated that they have been unable to get sampling completed after contacting multiple companies. Information regarding AMRs, effluent sampling, and accredited labs will be provided for future use.
<b>Summary of Inspections:</b>	An inspection occurred on 7/27/2018 where no violations were noted by Ryan Rafeew.

Comments: Permittee has been notified AMRs are due each year by June 30<sup>th</sup>. Proof of septage pumping and a completed Annual Maintenance Report (AMR) should be sent to the Department at the permittee's earliest convenience.

**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 BOD5, Total Suspended Solids, and Fecal Coliform are BPJ technology-based on the Departments SFTF manual. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "upon request" due to CWF stream designation.

### Attachment A – eMAP Stream Designation

The screenshot displays a map interface with a popup window titled "Designated Use Streams (1 of 3)". The popup contains the following information:

- Designated Use Gen ID: 80647
- GNIS Name:
- GNIS ID:
- ReachCode: 05030105000663
- COMID: 126222353
- Length Miles: 0.209
- Map Symbology: CWF
- Length Miles: 0.209
- Designated Use: 1
- DES Use ID: 1
- Use Description: CWF(COLD WATER FISHES)
- Migratory\_Fish: N
- HUC: 05030105
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Edit Date: Null

Below the popup, a "Zoom to" link is visible. To the right of the map, there is a coordinate input form with the following fields:

	Degrees	Minutes	Seconds
Latitude:	40	44	44.14
Longitude:	-79	53	7.58

Buttons for "Locate" and "Close" are located below the coordinate form. The map background shows roads like Welsh Rd, Logan Rd, Hays Ln, Victory Rd, and Bucklin Ln. The Esri logo is in the bottom right corner.