

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0271497
APS ID 1083965
Authorization ID 1431855

Applicant, Facility and Project Information

Applicant Name	<u>Randall E Reynolds</u>	Facility Name	<u>Randall Reynolds SRSTP</u>
Applicant Address	<u>420 Kemmer Road</u> <u>Summerville, PA 15864</u>	Facility Address	<u>15 C L School Road</u> <u>Summerville, PA 15864</u>
Applicant Contact	<u>Randall Reynolds</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 229-5407</u>	Facility Phone	<u></u>
Applicant Email	<u>rmreynolds@windstream.net</u>		
Client ID	<u>342775</u>	Site ID	<u>829064</u>
SIC Code	<u>4952,8800</u>	Municipality	<u>Limestone Township</u>
SIC Description	<u>Private Households, Trans. & Utilities - Sewerage Systems</u>	County	<u>Clarion</u>
Date Application Received	<u>March 6, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>March 28, 2023</u>	WQM App. No.	<u>1618405</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 1,000-gallon dual chamber septic tank with an Ecoflo EC7-500P coco filter, UV radiation disinfection unit and effluent pump.

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 (342775) as of March 28, 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 28, 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° 7' 54.68"</u>	Longitude	<u>-79° 15' 54.16"</u>
Quad Name	<u>Strattanville</u>	Quad Code	<u>41079B3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Piney Creek (CWF)</u>	Stream Code	<u>49494</u>
NHD Com ID	<u>102671069</u>	RMI	<u>0.2800</u>
Drainage Area	<u>7.6 square miles</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.76</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1381</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</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE</u>		
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	
Temperature (°F)	<u>20</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:			
Nearest Downstream Public Water Supply Intake	<u>PA American Water Company - Kittanning District</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>987</u>
PWS RMI	<u>45.6</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: None.

Other Comments: AMRs have been 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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ 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	20.0	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	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. The top banner features the Pennsylvania Department of Environmental Protection logo and navigation links for PA State Agencies, Online Services, and state officials. The main interface includes a legend on the left, a map area in the center, and a search/locate tool on the right. A pop-up window titled 'Designated Use Streams (1 of 5)' is open over a stream on the map, showing the following details:

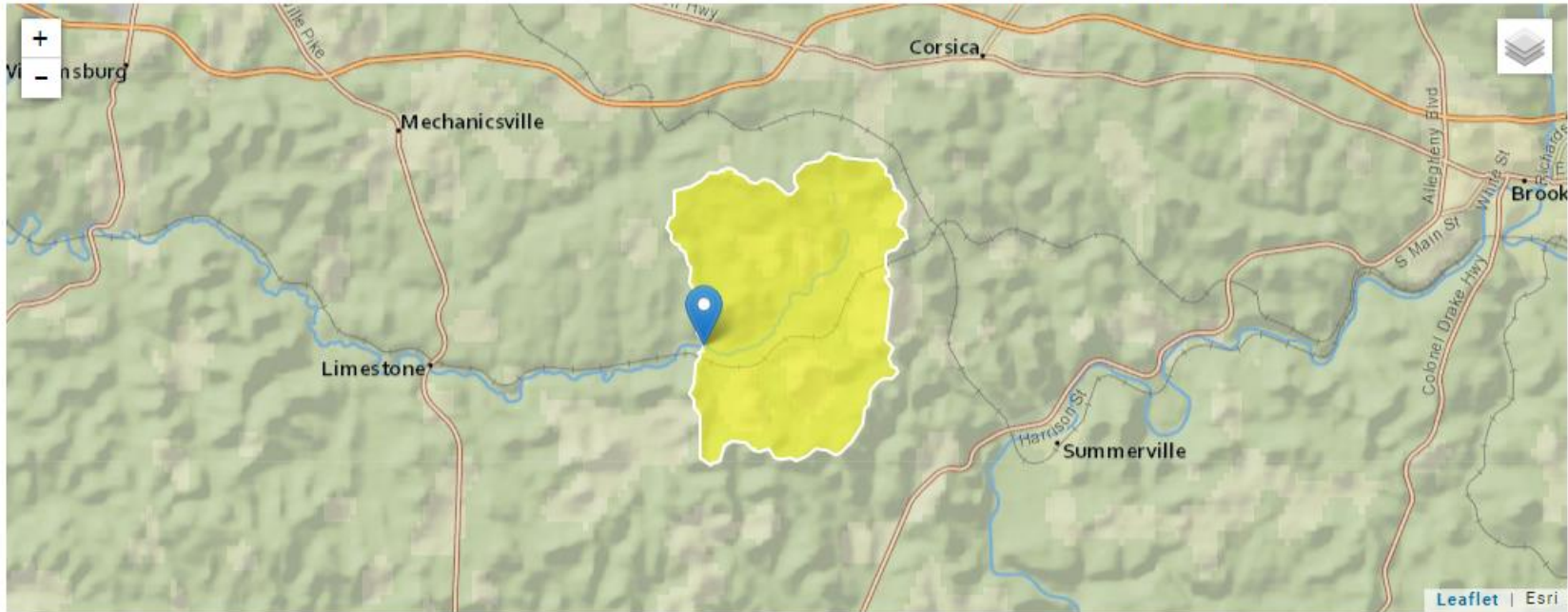
Field	Value
Designated Use Gen ID	17659
GNIS Name	Piney Creek
GNIS ID	01193135
ReachCode	05010005000360
COMID	102671069
Length Miles	0.355
Map Symbology	CWF
Length Miles	0.355
Designated Use	1
DES Use ID	1
Use Description	CWF(COLD WATER FISHES)
Migratory_Fish	N
HUC	05010005
Basin	N
Basin Narrative	Null
Segment Narrative	Null
Evaluation Date	Null
Zoom to	

The map shows a rural landscape with fields and a stream network. A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The bottom of the interface contains a copyright notice for Imagery and ESRI Streets sources.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20230329124647976000
Clicked Point (Latitude, Longitude): 41.13191, -79.26513
Time: 2023-03-29 08:48:09 -0400



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	7.6	square miles