

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0272477  
APS ID 1128882  
Authorization ID 1512333

### Applicant, Facility and Project Information

Applicant Name <u>Ralph McIntyre</u>	Facility Name <u>Ralph McIntyre SRSTP</u>
Applicant Address <u>432 Weiler Road</u> <u>Warren, PA 16365-3759</u>	Facility Address <u>1651 Weiler Road</u> <u>Warren, PA 16365</u>
Applicant Contact <u>Ralph McIntyre</u>	Facility Contact _____
Applicant Phone <u>(814) 730-7445</u>	Facility Phone _____
Applicant Email <u>ralphmcintyre@icloud.com</u>	_____
Client ID <u>390229</u>	Site ID <u>836860</u>
SIC Code <u>8800</u>	Municipality <u>Conewango Township</u>
SIC Description <u>Private Households</u>	County <u>Warren</u>
Date Application Received <u>January 10, 2025</u>	WQM Required <u>WQM Transfer is required – Pending</u>
Date Application Accepted <u>January 16, 2025</u>	WQM App. No. <u>6219411 T-2 – Will be transferred concurrently</u>
Project Description <u>Renewal &amp; Transfer of NPDES Permit for a Single Residence Sewage Treatment Plant</u>	

### Summary of Review

This is a renewal application of a NPDES Permit for an existing SRSTP consists of (WQM Permit No. 6219411 T-2): A 1,000-gallon dual compartment septic tank with a Zabel A300 effluent filter, a Premier Tech EC7-C-P coco filter, and an integrated Premier Tech Classic DiUV Ultraviolet (UV) disinfection unit. The discharge rate is 400 GPD.

This permit will be transferred as part of this renewal.

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 (390229) as of January 16, 2025.

#### 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	January 16, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	January 17, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41° 51' 57.12"	Longitude	-79° 12' 53.96"
Quad Name	Warren	Quad Code	41079G2
Wastewater Description:		Sewage Effluent	
Receiving Waters	Morse Run (HQ-CWF)	Stream Code	56301
NHD Com ID	112374555	RMI	2.12
Drainage Area	0.12	Yield (cfs/mi <sup>2</sup> )	0.1
Q <sub>7-10</sub> Flow (cfs)	0.012	Q <sub>7-10</sub> Basis	Default
Elevation (ft)	1475	Slope (ft/ft)	---
Watershed No.	16-B	Chapter 93 Class.	HQ-CWF
Existing Use	---	Existing Use Qualifier	---
Exceptions to Use	---	Exceptions to Criteria	---
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	---		
Source(s) of Impairment	---		
TMDL Status	---	Name	---
Background/Ambient Data		Data Source	
pH (SU)	7.0	Default	
Temperature (°F)	68	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Aqua Pennsylvania, Inc. - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: None.

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the discharge into a High-Quality Watershed.

This is an existing and previously approved discharge to a High-Quality watershed. No expansion or changes to effluent quantity or quality are proposed. Therefore, no additional anti-degradation review should be required.

**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	20.0	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 and the monitoring frequency has been established as "1/month" due to special protection watershed designation (High Quality – HQ).

## Outfall Location - eMap with Aerial Imagery

**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PA STATE AGENCIES ONLINE SERVICES Josh Shapiro, Governor Jessica Shirley, Acting Secretary DEP Home

**eMapPA**

Layers Legend Tasks Themes Links

**Legend**

Regulated Facilities and Related Information

Streams and Water Resources

Water Quality

- Existing Use Streams
  - Cold Water Fish
  - Exceptional Value
  - High Quality
  - Trout Stocking
  - Warm Water Fish
  - Overlap
- Designated Use Streams
  - Cold Water Fish
  - Exceptional Value
  - High Quality
  - Trout Stocking
  - Warm Water Fish
  - Overlap
  - Missing from CH93

Boundaries

- County Boundaries
- Municipalities

Map eFacts Query Advanced Query Filter Plant Source Search

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude: Degrees 41 Minutes 51 Seconds 57.12

Longitude: -79 12 53.96

Locate Close

Latitude: 41.965367

Designated Use Streams (1 of 3)

Designated Use Gen ID: 16414  
GNIS Name: Morse Run  
GNIS ID: 01210197  
ReachCode: 05010001000845  
COMID: 112374555  
Length Miles: 1.178  
Map Symbolology: HQ  
Length Miles: 1.178  
Designated Use: 5  
DES Use ID: 4  
Use Description: HQ-CWF(HIGH QUALITY-COLD WATER FISHES)  
Migratory\_Fish: N  
HUC: 05010001  
Basin: N  
Basin Narrative: Null  
Segment Narrative: Null  
Evaluation Date: Null

Zoom to

0 0.1 0.2mi

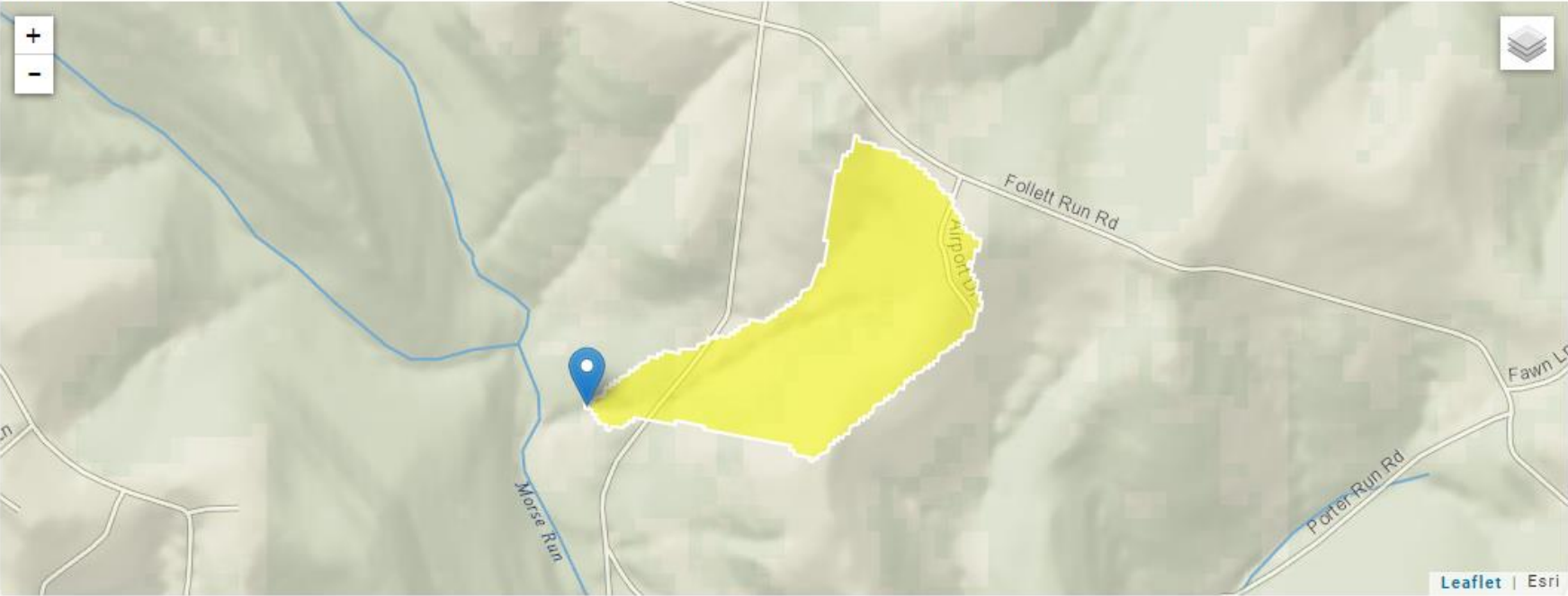
esri

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:PA  
Workspace ID:PA20250116182656980000  
Clicked Point (Latitude, Longitude):41.86587, -79.21499  
Time:2025-01-16 13:27:22 -0500



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.12	square miles