

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0263541
APS ID 1125396
Authorization ID 1505896

Applicant, Facility and Project Information

Applicant Name	<u>Thomas Young</u>	Facility Name	<u>Thomas Young SRSTP</u>
Applicant Address	<u>209 Center Drive</u> <u>Chicora, PA 16025-3705</u>	Facility Address	<u>209 Center Drive</u> <u>Chicora, PA 16025-3705</u>
Applicant Contact	<u>Thomas Young</u>	Facility Contact	<u>Thomas Young</u>
Applicant Phone	<u>(724) 287-5948</u>	Facility Phone	<u>(724) 287-5948</u>
Applicant Email	<u>tomjoeyoung@gmail.com</u>		
Client ID	<u>272617</u>	Site ID	<u>706083</u>
SIC Code	<u>8811</u>	Municipality	<u>Oakland Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>November 7, 2024</u>	WQM Required	<u>No – Issued Previously</u>
Date Application Accepted	<u>November 18, 2024</u>	WQM App. No.	<u>---</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a renewal application for a NPDES Permit for an SRSTP consists of (WQM Permit No. WQG018695): A 1,000-gallon septic tank with an effluent filter, a 500-gallon dosing tank, a 324 square foot recirculating subsurface sand filter (RSSF), and Ultraviolet (UV) light disinfection.

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 (272617) as of November 18, 2024.

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	November 18, 2024
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	November 19, 2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 54' 57.89"	Longitude	-79° 50' 48.84"
Quad Name	East Butler	Quad Code	40079H7
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Thorn Creek (HQ-WWF)	Stream Code	35246
NHD Com ID	126217886	RMI	0.898
Drainage Area		Yield (cfs/mi²)	0.1
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1252	Slope (ft/ft)	---
Watershed No.	20-C	Chapter 93 Class.	HQ-WWF
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)	77	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Beaver Falls Municipal Authority - Eastvale		
PWS Waters	Beaver River	Flow at Intake (cfs)	---
PWS RMI	5.0	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: ---

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) ⁽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	1/month	Grab
CBOD5	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 disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for CBOD5, 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). The TRC limitations from the previous permit are imposed pursuant to EPA’s anti-backsliding regulation, 40 CFR 122.44(1).

Outfall Location - eMap with Aerial Imagery



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


Layers Legend Tasks

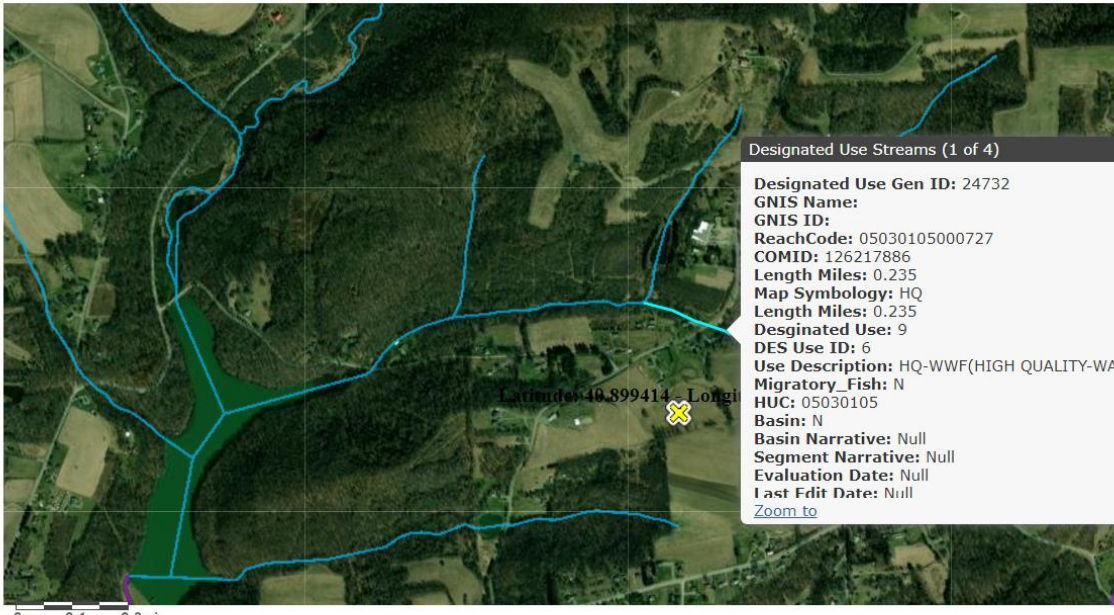
Legend
Regulated Facilities and Related Information
Streams and Water Resources
Water Quality
Existing Use Streams
Cold Water Fish
Exceptional Value
High Quality
Trout Stocking
Warm Water Fish
Overlap
Designated Use Streams
Cold Water Fish
Exceptional Value
High Quality
Trout Stocking
Warm Water Fish
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





Latitude: 40.899414 Longitude: -79.504884

Designated Use Streams (1 of 4)
Designated Use Gen ID: 24732
GNIS Name:
GNIS ID:
ReachCode: 05030105000727
COMID: 126217886
Length Miles: 0.235
Map Symbolology: HQ
Length Miles: 0.235
Designated Use: 9
DES Use ID: 6
Use Description: HQ-WWF(HIGH QUALITY-WARM WATER FISHES)
Migratory_Fish: N
HUC: 05030105
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null
Last Edit Date: Null
[Zoom to](#)

Locate Latitude and Longitude

☐ Decimal Degrees ☒ DD/MM/SS

Degrees Minutes Seconds


Latitude: 40 53 57.89

Longitude: -79 50 48.84

Locate Close

0 0.1 0.2mi

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

POWERED BY 

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Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:

Workspace ID:

Clicked Point (Latitude, Longitude):

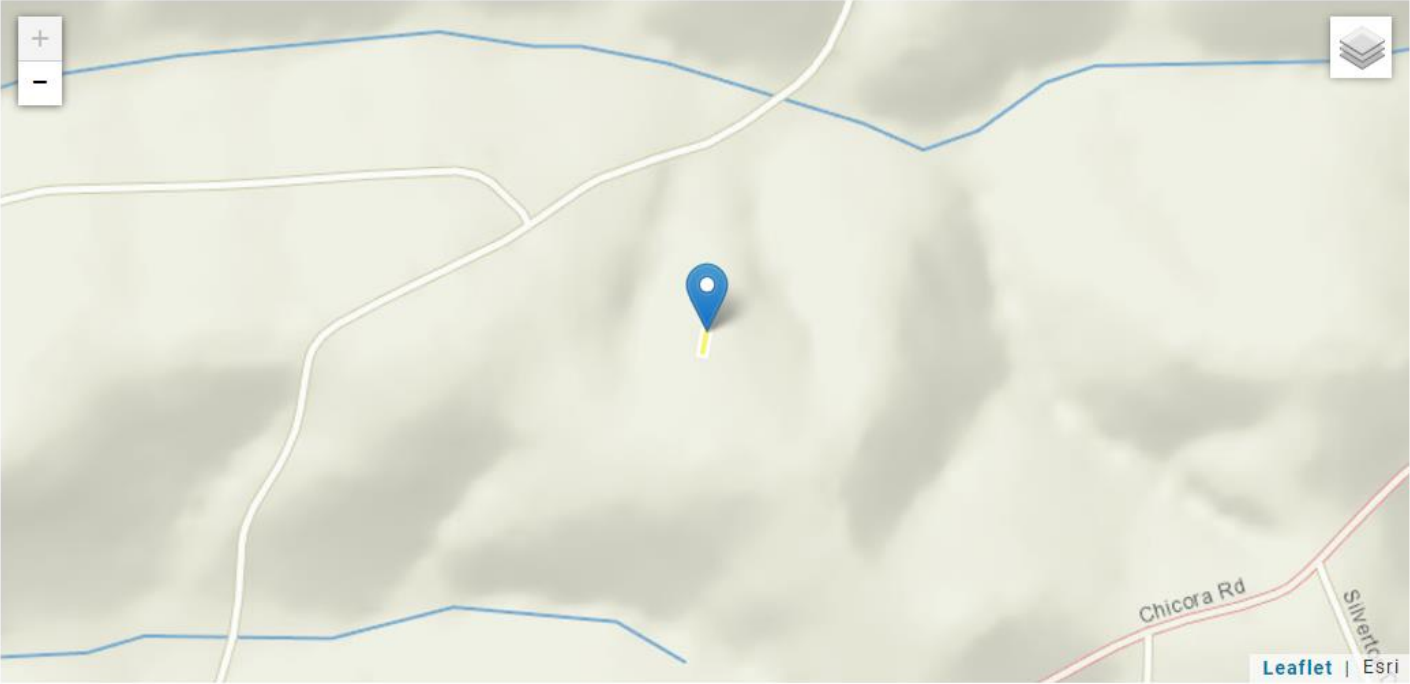
Time:

PA

PA20241118202000582000

40.89945, -79.84679

2024-11-18 15:20:29 -0500



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.000116	square miles