

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0205524
APS ID 1114163
Authorization ID 1485882

Applicant, Facility and Project Information

Applicant Name	<u>Tammie & Timothy Rabbitt</u>	Facility Name	<u>Tammie & Timothy Rabbitt SRSTP</u>
Applicant Address	<u>297 Ford City Road</u> <u>Freeport, PA 16229-2000</u>	Facility Address	<u>297 Ford City Road</u> <u>Freeport, PA 16229-2037</u>
Applicant Contact	<u>Timothy Rabbitt</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 487-5049</u>	Facility Phone	<u></u>
Applicant Email	<u>trabbitt@comcast.net</u>		
Client ID	<u>266584</u>	Site ID	<u>118</u>
SIC Code	<u></u>	Municipality	<u>South Buffalo Township</u>
SIC Description	<u></u>	County	<u>Armstrong</u>
Date Application Received	<u>April 23, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>June 7, 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. 0391401 T-1): an aerobic treatment unit, upflow filter and chlorination.

Act 14 – Proof of Notification was submitted and received.

SPECTIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (266584) as of June 12, 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	June 12, 2024
X		Jason T. Roessing Jason T. Roessing, P.E. / Environmental Engineer Manager	June 14, 2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40° 43' 4.0"	Longitude	-79° 37' 48.0"
Quad Name	Freeport	Quad Code	40079F6
Wastewater Description: Sewage Effluent			
Receiving Waters	UNT to Hill Run (WWF)	Stream Code	---
NHD Com ID	123859511	RMI	Confluence with Hill Run 46147 is at 1.71 RMI
Drainage Area	0.00057	Yield (cfs/mi ²)	0.01
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Attachment 1, December 30, 1988 letter from Mike Hartley, Hydro Geologist.
Elevation (ft)	1150	Slope (ft/ft)	---
Watershed No.	18-F	Chapter 93 Class.	WWF
Existing Use	---	Existing Use Qualifier	---
Exceptions to Use	---	Exceptions to Criteria	---
Assessment Status	Impaired		
Cause(s) of Impairment	Siltation		
Source(s) of Impairment	Streambank Modifications/Destabilization		
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	Buffalo Township Municipal Water Authority - Freeport		
PWS Waters	Allegheny River	Flow at Intake (cfs)	2576
PWS RMI	30	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: None.

Other Comments: The Hill Run—the receiving water for discharges from Outfall 001 through an unnamed tributary—is impaired by siltation but the subject facility is not expected to be a cause or source of the impairment.

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
TRC	XXX	XXX	XXX	Report Daily Max	XXX	XXX	1/month	Grab
CBOD5	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	1000	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 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



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

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

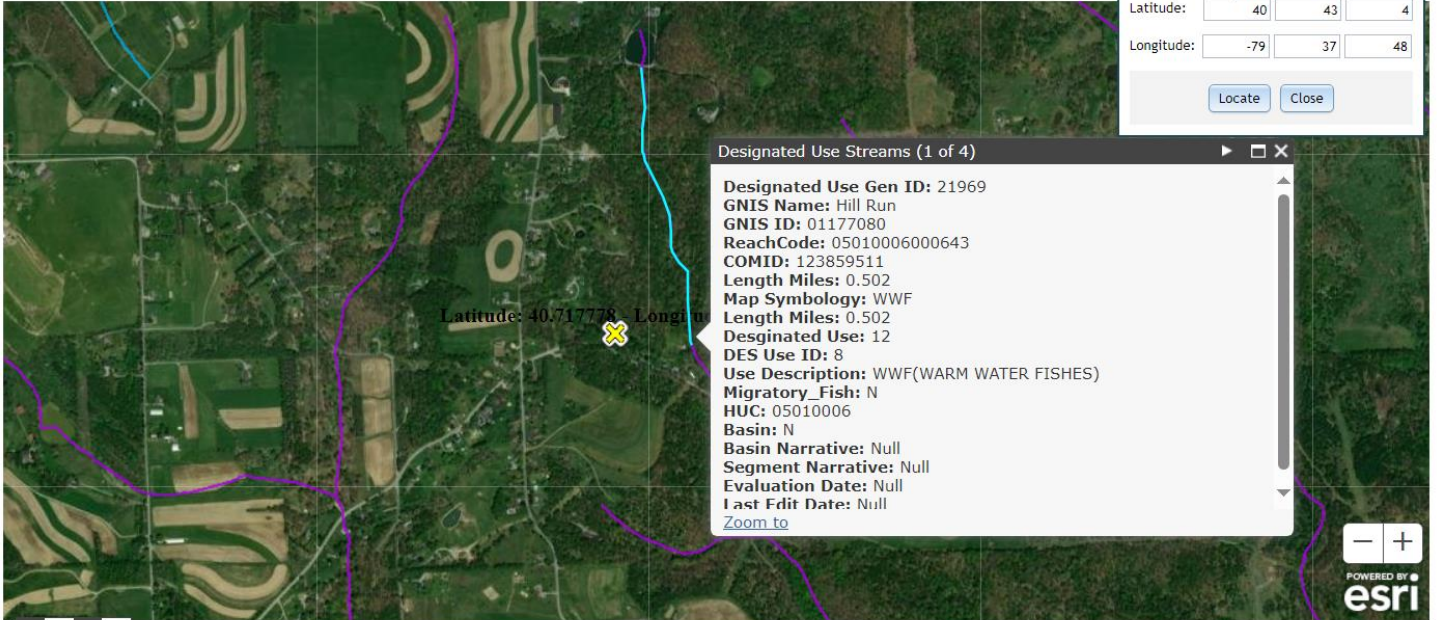
County Boundaries

Municipalities

Map eFacts Query Advanced Query Filter Plant Source Search

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery



Latitude: 40.71778 Longitude: -79.13748

Designated Use Streams (1 of 4)

Designated Use Gen ID: 21969
GNIS Name: Hill Run
GNIS ID: 01177080
ReachCode: 05010006000643
COMID: 123859511
Length Miles: 0.502
Map Symbolology: WWF
Length Miles: 0.502
Designated Use: 12
DES Use ID: 8
Use Description: WWF(WARM WATER FISHES)
Migratory_Fish: N
HUC: 05010006
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null
Last Edit Date: Null
[Zoom to](#)

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

Locate Latitude and Longitude

☐ Decimal Degrees ☒ DD/MM/SS

Latitude: Degrees: 40 Minutes: 43 Seconds: 4

Longitude: -79 37 48

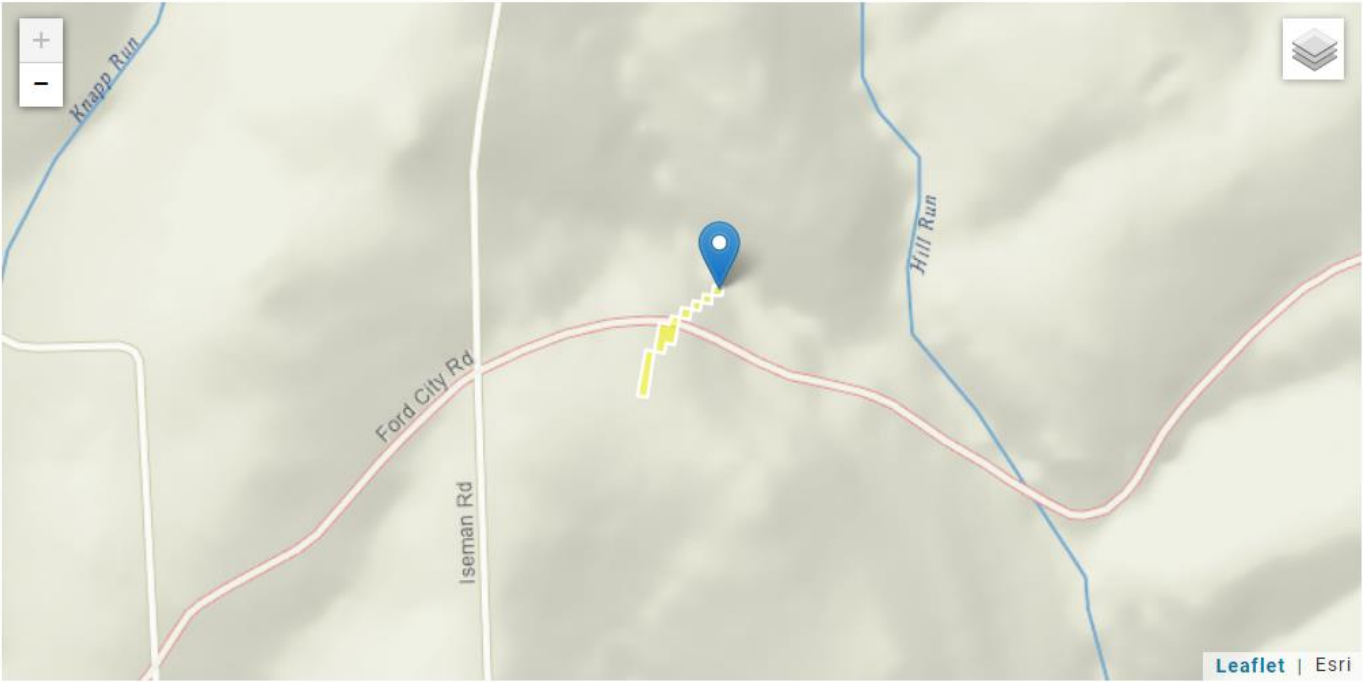
[Locate](#) [Close](#)

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:
Workspace ID:
Clicked Point (Latitude, Longitude):
Time:

PA
PA20240607190936304000
40.71777, -79.63001
2024-06-07 15:09:57 -0400



+ Collapse All

> Basin Characteristics			
Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.000579	square miles

Attachment 1

December 30, 1988

SUBJECT: Proposed Single Family Residence STP Discharge
South Buffalo Township
Armstrong County

TO: Bill Benson
Water Quality Specialist
Armstrong County

FROM: Michael Hartley
Hydrogeologist
Pittsburgh Regional Officer

On November 25, 1988, I visited the site of the above referenced plan to evaluate the receiving stream for the proposed STP discharge. I found the stream channel to be small but well defined with water flowing in the channel about 8" across and 2" deep. The channel bottom appeared well scoured into the bedrock. I believe that water flows in this channel throughout the year.

I recommend that this proposal be evaluated as a discharge to a perennial stream.

MH/jmt

cc: M. Hartley