

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0289302  
APS ID 1036752  
Authorization ID 1350523

**Applicant, Facility and Project Information**

Applicant Name	<u>Brian Haines</u>	Facility Name	<u>Brian Haines SRSTP</u>
Applicant Address	<u>451 Phillips Street</u> <u>Warren, PA 16365-1643</u>	Facility Address	<u>East Fifth Avenue</u> <u>Warren, PA 16365</u>
Applicant Contact	<u>Brian Haines</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 688-2001</u>	Facility Phone	<u></u>
Client ID	<u>362347</u>	Site ID	<u>848216</u>
SIC Code	<u>8800</u>	Municipality	<u>Glade Township</u>
SIC Description	<u>Private Households</u>	County	<u>Warren</u>
Date Application Received	<u>April 20, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>April 22, 2021</u>	WQM App. No.	<u>6221403</u>
Project Description	<u>.</u>		

**Summary of Review**

This is a new discharge that will serve a proposed 3-bedroom home both located on the east side of East Fifth Avenue, 3 miles from Route 62.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 6221403): A 1000-gallon dual compartment septic tanks with Zabel A300 effluent filter and alarm followed by an EC7-500-C-P Coco filter unit with integrated pump and UV disinfection.

The EPA Waiver is in effect.

Planning approval is dated April 15, 2021 for a 400-GPD SRSTP.

There are no open violations in WMS for the subject Client ID (362347) as of April 22, 2021.

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		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	April 22, 2021

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>0.0004</u>
Latitude	<u>41° 51' 46.41"</u>	Longitude	<u>-79° 7' 35.10"</u>
Quad Name	<u>Warren</u>	Quad Code	<u>01073</u>
Wastewater Description: <u>Treated sewage from a single family residence</u>			
Receiving Waters	<u>Unnamed Tributary to Conewango Creek (CWF)</u>	Stream Code	<u>---</u>
NHD Com ID	<u>129447665</u>	RMI	<u>1.3700</u>
Drainage Area	<u>---</u>	Yield (cfs/mi <sup>2</sup> )	<u>---</u>
Q <sub>7-10</sub> Flow (cfs)	<u>---</u>	Q <sub>7-10</sub> Basis	<u>---</u>
Elevation (ft)	<u>1547</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-B</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</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>---</u>		<u>---</u>
Temperature (°F)	<u>---</u>		<u>---</u>
Hardness (mg/L)	<u>---</u>		<u>---</u>
Other:	<u>---</u>		<u>---</u>
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>---</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: N/A – This is a proposed facility.

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 use of a Ecoflo Coco filter unit.

The Premier Tech Ecoflo Coco filter unit is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

**Threatened and Endangered Mussel Species Concerns and Considerations**

Conewango Creek in the area of Warren, PA is known to contain threatened and endangered mussel species (particularly the Federally listed endangered northern riffleshell has been documented in Conewango Creek). The proposed discharge is approximately 7,000 feet (1.33 miles) upstream of Conewango Creek on an Unnamed Tributary (Indian Hollow Run). The proposed discharge would not be expected to have any influence on threatened or endangered mussel species in Conewango Creek considering the distance upstream on the unnamed tributary, size of the proposed discharge, and assimilative capacity of the tributary stream prior to reaching Conewango Creek.

**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 BOD<sub>5</sub>, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

*eMAP – Discharge Location with Stream Designation*

The screenshot displays the eMapPA web application interface. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and the eMapPA logo is on the right. The main interface includes a navigation bar with 'Map', 'eFacts Query', 'Advanced Query', and 'Filter Plant Source Search'. Below this is a toolbar with various map controls. The central map area shows an aerial view of a stream with a cyan line representing a designated use stream. A data popup window is open over the stream, displaying the following information:

Locate Latitude and Longitude		
<input type="radio"/> Decimal Degrees	<input checked="" type="radio"/> DD/MM/SS	
Latitude:	41	51
Longitude:	-79	7
		35.1

Designated Use Streams (1 of 3)

Designated Use Gen ID:	19166
GNIS Name:	
GNIS ID:	
ReachCode:	05010002000350
COMID:	129447665
Length Miles:	1.539
Map Symbology:	CWF
Length Miles:	1.539
Designated Use:	1
DES Use ID:	1
Use Description:	CWF(COLD WATER FISHES)
Migratory_Fish:	N
HUC:	05010002
Basin:	N
Basin Narrative:	Null
Segment Narrative:	Null
Evaluation Date:	Null
Last Edit Date:	Null

Latitude: 41.862892 Longitude: -79.126417

At the bottom left, there is a legend with categories: 'Regulated Facilities and Related Information', 'Streams and Water Resources', 'Water Quality', and 'Boundaries'. The 'Water Quality' section lists 'Existing Use Streams' (Cold Water Fish, Exceptional Value, High Quality, Trout Stocking, Warm Water Fish, Overlap) and 'Designated Use Streams' (Cold Water Fish, Exceptional Value, High Quality, Trout Stocking, Warm Water Fish, Overlap, Missing from CH93). The 'Boundaries' section lists 'County Boundaries' and 'Municipalities'. A scale bar at the bottom left shows 0, 100, and 200 feet. The Esri logo is at the bottom right.

Imagery: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, 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



*Google Earth – Aerial Imagery of Project Location*



The house under construction in this aerial imagery is on an adjacent lot and is also served by an SRSTP (Frederick Nuhfer SRSTP – NPDES Permit No. PA0264822 and WQM Permit No. 6216409)