

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0291463
APS ID 1076744
Authorization ID 1419417

Applicant, Facility and Project Information

Applicant Name	<u>Garth H. Stoltz, Jr</u>	Facility Name	<u>Stoltz Property SRSTP</u>
Applicant Address	<u>451 West Kirby Road</u> <u>Battle Creek, MI 49017-9012</u>	Facility Address	<u>2464 West Washington Street</u> <u>Bradford, PA 16701-2415</u>
Applicant Contact	<u>Garth Stoltz</u>	Facility Contact	<u></u>
Applicant Phone	<u>(269) 929-6778</u>	Facility Phone	<u></u>
Client ID	<u>373970</u>	Site ID	<u>859885</u>
SIC Code	<u>8800</u>	Municipality	<u>Corydon Township</u>
SIC Description	<u>Private Households</u>	County	<u>McKean</u>
Date Application Received	<u>November 22, 2022</u>	WQM Required	<u>YES</u>
Date Application Accepted	<u>December 08, 2022</u>	WQM App. No.	<u>4222409</u>
Project Description	<u>Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge for an existing 3 bedrooms dwelling with proposed construction of a single residence sewage treatment plant to replace a malfunctioning on-lot sewage disposal system.

Proposed treatment will consist of (WQM Permit No. 4222409): Septic aerobic tank with a new premier Tech EC7-600-P-P PACK Ecoflo Coco filter containing a DiUV disinfection unit.

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

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	December 9, 2022
X		Adam J. Pesek (lead Reviewer) for Vacant / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 57' 43.54"</u>	Longitude	<u>-78° 48' 11.48"</u>
Quad Name	<u>Stickney</u>	Quad Code	<u>41078H7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Willow Creek (HQ-CWF)</u>	Stream Code	<u>56875</u>
NHD Com ID	<u>112366737</u>	RMI	<u>8.66</u>
Drainage Area	<u>3.04 square miles</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.304</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1707</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-B</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>---</u>	Exceptions to Criteria	<u>---</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>7.0</u>	Default	
Temperature (°C)	<u>20</u>	Default (CWF)	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<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>1376</u>
PWS RMI	<u>90</u>	Distance from Outfall (mi)	<u>129.45</u>

Changes Since Last Permit Issuance: N/A - This is a proposed discharge (Planning was approved on November 8, 2022)

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 Premier Tech EC7-600-P-P Ecoflo Coco filter.

The Premier Tech EC7-600-P-P Ecoflo Coco filter is reportedly capable of meeting CBOD5 averages of 10 mg/L and TSS averages of 10 mg/L.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

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	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	200.0	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after DiUV Disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on the Department's Small Flow Treatment Facilities Manual. 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 interface. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and navigation links for 'PA STATE AGENCIES', 'ONLINE SERVICES', 'Tom Wolf, Governor', 'Ramez Ziadeh, Acting Secretary', and 'DEP Home' are on the right. The main map area shows aerial imagery with a blue stream highlighted. A popup window titled 'Designated Use Streams (1 of 3)' is open over the stream, displaying the following metadata:

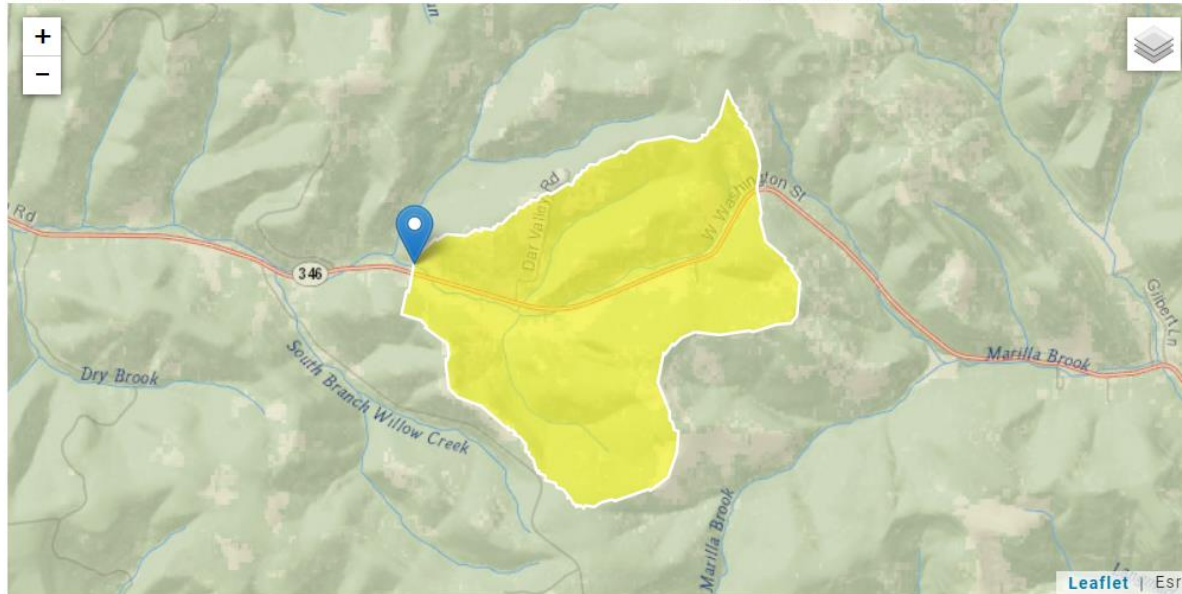
- Designated Use Gen ID: 14906
- GNIS Name: Willow Creek
- GNIS ID: 01210122
- ReachCode: 05010001002133
- COMID: 112366737
- Length Miles: 0.912
- Map Symbology: HQ
- Length Miles: 0.912
- Designated Use: 5
- DES Use ID: 4
- Use Description: HQ-CWF(HIGH QUALITY-COLD WATER FISHES)
- Migratory_Fish: N
- HUC: 05010001
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Edit Date: 2/6/2007 2:07:07 PM

A 'Zoom to' link is provided at the bottom of the popup. The map interface includes a legend on the left with categories for 'Regulated Facilities and Related Information', 'Streams and Water Resources', and 'Water Quality'. The legend lists various stream types such as 'Cold Water Fish', 'Exceptional Value', 'High Quality', 'Trout Stocking', 'Warm Water Fish', and 'Overlap'. The map also features a 'Locate Latitude and Longitude' panel on the right with input fields for Degrees, Minutes, and Seconds for both Latitude (41, 57, 43.54) and Longitude (-78, 48, 11.48). The map includes a scale bar (0 to 0.2 miles) and a scale of 1:25000. Imagery sources are listed at the bottom: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20221209211710049000
Clicked Point (Latitude, Longitude): 41.96215, -78.80323
Time: 2022-12-09 16:17:31 -0500



⊕ Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	3.04	square miles