

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264164
APS ID 1033815
Authorization ID 1345786

Applicant, Facility and Project Information

Applicant Name	<u>Joshua Cobb</u>	Facility Name	<u>Joshua Cobb SRSTP</u>
Applicant Address	<u>2365 W Washington Street</u> <u>Bradford, PA 16701-2448</u>	Facility Address	<u>2365 W Washington Street</u> <u>Bradford, PA 16701-2448</u>
Applicant Contact	<u>Joshua Cobb</u>	Facility Contact	<u>Joshua Cobb</u>
Applicant Phone	<u>(814) 362-2245</u>	Facility Phone	<u>(814) 362-2245</u>
Client ID	<u>361429</u>	Site ID	<u>810449</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>February 23, 2021</u>	WQM Required	<u></u>
Date Application Accepted	<u>May 18, 2021</u>	WQM App. No.	<u>4215401 T-1</u>
Project Description	<u>Renewal and Transfer of NPDES Permit.</u>		

Summary of Review

The project involves the renewal and transfer of a 400 gpd single residence sewage treatment system for a 3-bedroom home.

Act 14 – Proof of notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIRMENTS

- | | |
|---|---------------------------------|
| A. AMRs | F. Stormwater into Sewers |
| B. DMRs | G. Right of Way |
| C. Depth of Septage and Scum Management | H. Solids Handling |
| D. Septic Tank Pumping | I. Public Sewerage Availability |
| E. Chlorine Optimization | |

SPECIAL CONDITIONS: None

Treatment consists of (WQM Permit No. 4215401) a Norweco Singulair Model 960 Aerobic Unit with UV disinfection, where the effluent discharges to Unnamed Tributary 56875 to Willow Creek (HQ-CWF).

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

There are no open violations in WMS for the subject client ID (361429) as of 1/4/2022.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer General	January 4, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	February 3, 2022

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>.0004</u>
Latitude	<u>41° 57' 33.65"</u>	Longitude	<u>-78° 47' 42.1"</u>
Quad Name	<u>Stickney</u>	Quad Code	<u>0315</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>9.3</u>
Drainage Area	<u>2.79 mi² (Streamstats)</u>	Yield (cfs/mi ²)	<u>0.174</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.485</u>	Q ₇₋₁₀ Basis	<u>Streamstats</u>
Elevation (ft)	<u>1839</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>-</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>1376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>30.3</u>

Changes Since Last Permit Issuance: None

Other Comments: This treatment system is capable of meeting effluent limits.

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.

Compliance History

	2017	2018	2019
BOD5	17.1 mg/L	< 12 mg/L	-
TSS	20.0 mg/L	22.0	-
Fecal Coliform (No./100 mL)	51.2	< 10	19

Comments: Todd Fantaskey (SEO) noted that this treatment system appears to be operating as designed in the AMRs. The system was last pumped in 2019 according to Joshua Cobb (owner). Although the past two samples of BOD5 and TSS have exceeded the effluent limits of 10 mg/L for each parameter, it is recommended that this permit be reissued as this permittee has been submitting Annual Maintenance Reports (AMRs) regularly, and the system has been reported of being maintained and operating as designed.

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.

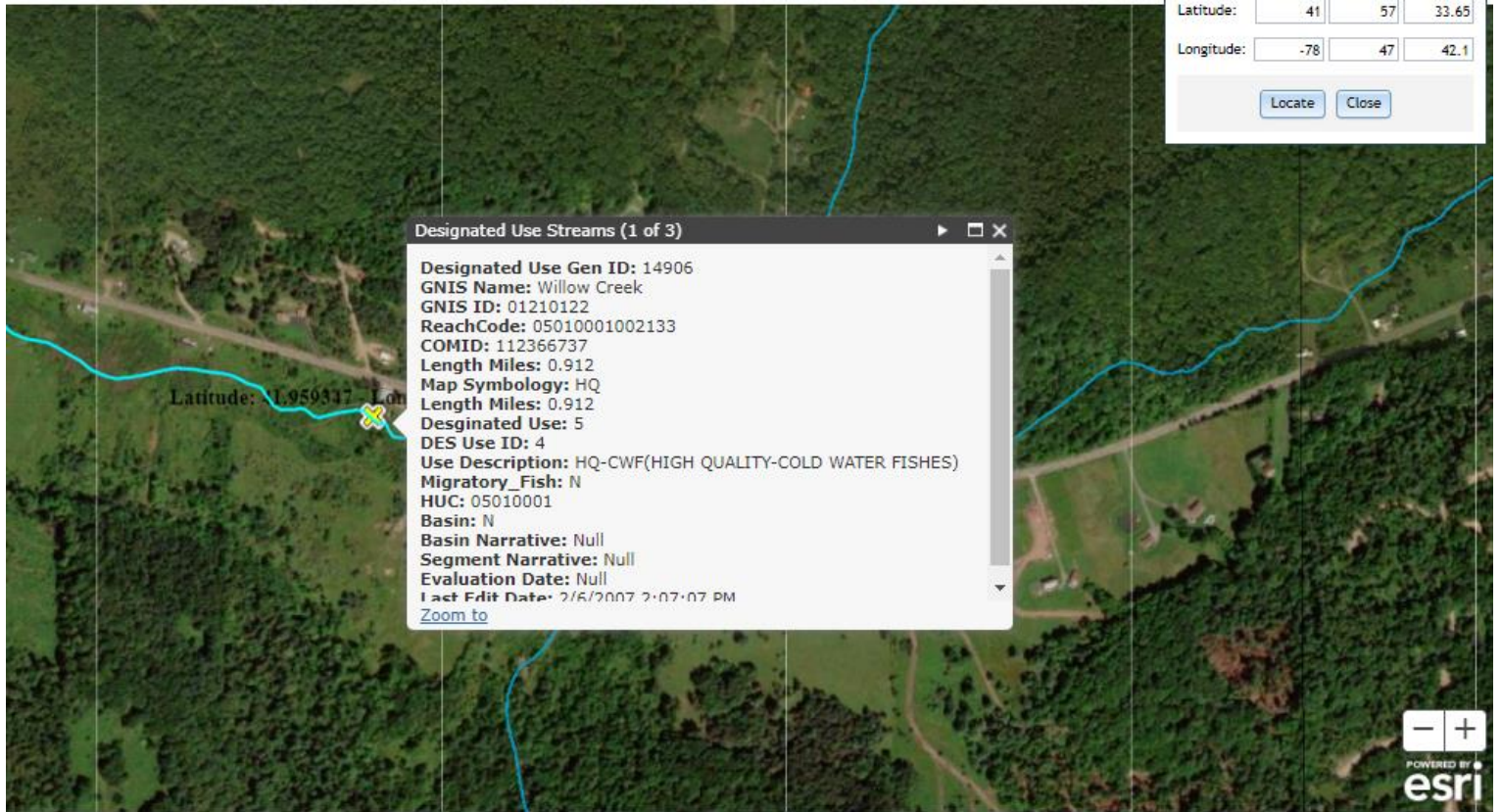
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	XXX	9.0	1/month	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	1000	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection.

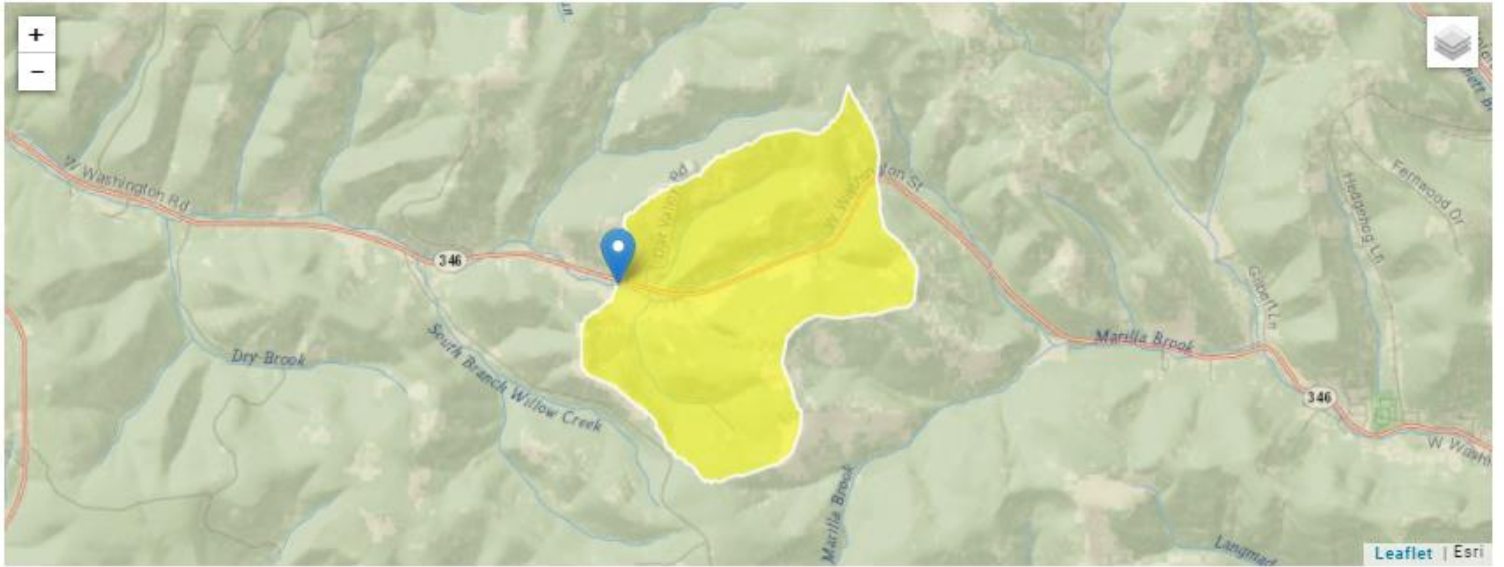
Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "1/month" due to HQ-CWF stream designation.

Attachment A – eMAP Stream Designation



Attachment B – Streamstats Drainage Area

Region ID:	PA
Workspace ID:	PA20220104195148193000
Clicked Point (Latitude, Longitude):	41.95929, -78.79496
Time:	2022-01-04 14:52:07 -0500



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	2.79	square miles
ELEV	Mean Basin Elevation	2037	feet
PRECIP	Mean Annual Precipitation	45	inches