

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0265403
APS ID 1088101
Authorization ID 1438977

Applicant, Facility and Project Information

Applicant Name	<u>Brandon Martin & Dominique Rick</u>	Facility Name	<u>Brandon Martin & Dominique Rick SRSTP</u>
Applicant Address	<u>24291 State Highway 77 & 89 Spartansburg, PA 16434-3443</u>	Facility Address	<u>24291 State Highway 89 And 77 Spartansburg, PA 16434-3443</u>
Applicant Contact	<u>Dominique Rick</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 460-8348</u>	Facility Phone	<u></u>
Client ID	<u>352424</u>	Site ID	<u>824313</u>
SIC Code	<u>8800</u>	Municipality	<u>Sparta Township</u>
SIC Description	<u>Private Households</u>	County	<u>Crawford</u>
Date Application Received	<u>April 28, 2023</u>	WQM Required	<u>Yes - Permitted</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2017402</u>
Project Description	<u>Renewal Application for Single Residence Sewage Treatment Plant (SRSTP) for an existing dwelling.</u>		

Summary of Review

This is an existing discharge for a 3-bedroom home, previously permitted under an NPDES Permit.

Act 14 – Notification was submitted and received.

Treatment currently consists of (WQM Permit No. 2017402): A Norweco Singulair Model 960-500 Aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber, a Norweco Hydro-Kinetic Bio-Film Reactor, and a Norweco AT 1500 UV Disinfection unit.

There are no open violations in WMS for subject Client ID (352424) as of 05/19/2023. [5/26/2023 CWY](#) It should be noted that compliance has sent it's second notice regarding the expiration of this NPDES Permit on March 27, 2023 and this application was submitted on April 28, 2023.

No evidence was submitted that this facility has been tested or pumped out within the permit period.

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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	May 18, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	5/26/2023

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° 49' 9.6"</u>	Longitude	<u>-79° 41' 55.6"</u>
Quad Name	<u>Spartansburg</u>	Quad Code	<u>41079G6</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to East Branch Oil Creek (CWF)</u>	Stream Code	<u>54608</u>
NHD Com ID	<u>100467695</u>	RMI	<u>0.8300</u>
Drainage Area	<u>.0351</u>	Yield (cfs/mi ²)	<u>.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>.00351</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1552</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>16-E</u>	Chapter 93 Class.	<u>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</u>	Default	<u></u>
Temperature (°F)	<u>20</u>	Default - CWF	<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>1,376</u>
PWS RMI	<u>90</u>	Distance from Outfall (mi)	<u>84.68</u>

Changes Since Last Permit Issuance: No changes since last permit issuance.

Other Comments: No modeling was performed since this is an SRSTP.

This SRSTP was designed where applicable in accordance with the SFTF Manual but does not qualify for the PAG-04 General Permit due to the use of the Norweco Singlair System.

The Norweco Singlair System is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.8

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
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 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.

Attachment 1
eMap – Location / Receiving Stream Data

The screenshot shows a web-based GIS application interface. At the top, there are tabs for 'Map', 'eFacts Query', 'Advanced Query', and 'Filter Plant Source Search'. Below the tabs is a toolbar with various map navigation and tool icons. On the right side, there is a 'Locate Latitude and Longitude' dialog box with input fields for Degrees, Minutes, and Seconds for both Latitude and Longitude. The Latitude is set to 41, 49, 9.6 and Longitude to -79, 41, 55.6. Below the map, there is a 'PA Historic Streams (1 of 6)' popup window displaying detailed information for a specific stream segment. The map itself shows a network of blue streams and roads, with a yellow 'X' marker on a stream segment. A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The Esri logo is visible in the bottom right corner of the map area.

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

	Degrees	Minutes	Seconds
Latitude:	41	49	9.6
Longitude:	-79	41	55.6

PA Historic Streams (1 of 6)

Name: Trib 54608 To East Branch Oil Creek
Net Streams: 103873
Shed: 16E
Named: 0
Rec No: 103873
Seg ID: 54608_0_0.853
Seg ID Old: 54608_0_0.853
From Node: 11292
To Node: 11855
Down River Mile: 0
Up River Mile: 0.852966
WRDS: 54608
Strahler: 1

[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

