

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0057801
APS ID 1004045
Authorization ID 1292525

Applicant, Facility and Project Information

Applicant Name	<u>Bennington J Brad</u>	Facility Name	<u>Bennington SRSTP</u>
Applicant Address	<u>520 Ridge Valley Road</u> <u>Sellersville, PA 18960-1136</u>	Facility Address	<u>520 Ridge Valley Road</u> <u>Sellersville, PA 18960-1136</u>
Applicant Contact	<u>Brad Benningotn</u>	Facility Contact	<u>Brad Bennington</u>
Applicant Phone	<u>(267) 987-8622</u>	Facility Phone	<u>(267) 987-8622</u>
Client ID	<u>145453</u>	Site ID	<u>502965</u>
SIC Code	<u>8811</u>	Municipality	<u>West Rockhill Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Bucks</u>
Date Application Received	<u>October 5, 2019</u>	WQM Required	<u>No-NPDES renewal</u>
Date Application Accepted	<u>N/A</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>Permit Renewal.</u>		

Summary of Review

The applicant requested a permit renewal for the Bennington SRSTP. The discharge is 400 gallons per day (gpd) to Tributary 01375 to Ridge Valley Creek which is part of the Perkiomen Creek Watershed (03E) and the larger Delaware River Basin. The water is classified as High Quality-Trout Stocking Fishes (HQ-TSF) and Migratory Fishes (MF). The treatment plant is a Norweco 96/Bio-Microbics system consisting of aerobic treatment tanks, a free access sand filter, and a 200-gallon chlorine contact chamber with a chlorination system (WQM permit 0999410).

The permit limitations and sampling frequencies were retained in this permit renewal except for the following items. Sampling for ammonia shall be conducted between May 1 and October 31 each year. Note the ammonia-N for November 1 to April 30 was changed to annual average (the last permit was monthly average) as monthly average is no longer considered applicable for the new sampling frequency. BOD₅ was changed to CBOD₅ for this permit renewal; the applicant is already sampling for CBOD₅ for the AMRs. The limits for CBOD₅ are the same as those for BOD₅ in the previous permit.

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		Harmonie Hawley, PhD, PE / Environmental Engineering Specialist /s/	November 8, 2019
X		Pravin C. Patel, P.E. / Environmental Engineer Manager /s/	November 12, 2019

Summary of Review

There are no proposed changes to the treatment system, flow-rate or discharge, therefore existing limits are carried over for this permit renewal (except for the aforementioned changes). Permit limitations are based on technology limitations (ABACT) and best professional judgment/standard practices.

Act 14 Notifications:

West Rockhill Township received 9/28/2019

Bucks County Department of Health received 9/28/2019

Proposed Part C Conditions:

- A. AMR to DEP
- B. DMR to DEP if Attached
- C. 1/year Measure Depth of Septage and Scum
- D. Septic Tanks Pumped Once Every Three Years
- E. Total Residual Chlorine Requirement
- F. No Stormwater
- G. Necessary Property Rights
- H. Proper Sludge Disposal
- I. Abandon STP when Municipal Sewers Available

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0005</u>
Latitude	<u>40° 22' 2.35"</u>	Longitude	<u>-75° 21' 4.10"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Ridge Valley Creek (HQ-TSF, MF)</u>	Stream Code	<u>01375</u>
NHD Com ID	<u>25999740</u>	RMI	<u>0.32 miles</u>
Drainage Area	<u>0.3 square miles</u>	Yield (cfs/mi ²)	<u>0.016</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00476</u>	Q ₇₋₁₀ Basis	<u>PA Stream Stats</u>
Elevation (ft)	<u>545</u>	Slope (ft/ft)	<u>1.6</u>
Watershed No.	<u>03E</u>	Chapter 93 Class.	<u>High Quality Waters - Trout Stocking, MF</u>
Assessment Status	<u>Attaining Use(s)</u>		
TMDL Status	<u>No TMDL</u>		
Nearest Downstream Public Water Supply Intake	<u>None</u>		

Changes Since Last Permit Issuance: None

Other Comments: Creek is also called Tributary 01375 to Ridge Valley Creek.

Compliance History	
Summary of DMRs:	<p>Reviewed the 2017 and 2018 AMRs submitted to the Department. Both years show levels of ammonia-N above permit limits at the outfall.</p> <p>In 2018, a sample was collected on 2/11/2018 and the ammonia was 17.1 mg/L. This is over 2 times the average monthly permit limit of 4.5 mg/l, but is not 2 times over the IMAX of 9 mg/l.</p> <p>In 2017, a sample was collected on 5/30/2017 and the ammonia-N was 17.95 mg/L. This is more than 2 times over the permit limit monthly average (1.5 mg/l) and 2 times over the IMAX (3 mg/l).</p> <p>All other parameters were within permit limitations.</p> <p>The tank was pumped in September, 2017.</p>
Summary of Inspections:	<p>Last inspection was 10/18/2013 by Scott Spitko; no violations were noted.</p>

Other Comments: None

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/year	Grab
DO	XXX	XXX	6.0 Inst Min	XXX	XXX	XXX	1/year	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
CBOD ₅	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	4.5 Annl Avg	XXX	9.0	See Permit	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	1.5	XXX	3.0	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments:

Sampling for ammonia shall be conducted between May 1 and October 31 each year. Note the ammonia-N for November 1 to April 30 was changed to annual average (the last permit was monthly average) as monthly average is no longer considered applicable for the new sampling frequency.

BOD₅ was changed to CBOD₅ for this permit renewal; the applicant is already sampling for CBOD₅ for the AMRs.

The sampling frequencies for all parameters, except ammonia-N from Nov 1 to Apr 30, are the same as for the previous permit.