

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0266876
APS ID 1100653
Authorization ID 1461442

Applicant, Facility and Project Information

Applicant Name	<u>John C Becker, III</u>	Facility Name	<u>Becker Residence</u>
Applicant Address	<u>14 Petsch Road</u> <u>Reading, PA 19606-9300</u>	Facility Address	<u>14 Petsch Road</u> <u>Reading, PA 19606-9300</u>
Applicant Contact	<u>John Becker III</u> <u>(484) 566-9449</u> <u>John122711@gmail.com</u>	Facility Contact	<u>John Becker, III</u>
Applicant Phone	<u>380927</u>	Facility Phone	<u>(484) 566-9449</u>
Client ID	<u>8811</u>	Site ID	<u>833976</u>
SIC Code	<u>Services - Private Households</u>	Municipality	<u>Alsace Township</u>
SIC Description	<u>November 8, 2023</u>	County	<u>Berks</u>
Date Application Received	<u>November 13, 2023</u>	WQM Required	<u>Transfer of existing WQM permit</u>
Date Application Accepted		WQM App. No.	<u>0618405 T-1</u>
Project Description	<u>Renewal of NPDES permit for SRSTP in new owner's name (renewal/transfer)</u>		

Summary of Review

The existing NPDES permit was issued May 23, 2019 and expires May 31, 2024. The renewal application was submitted via DEP's OnBase electronic upload system (Reference ID # 129178) on November 8, 2023, before its due date, along with a transfer application (OnBase Reference ID # 129181) for both the NPDES permit and the WQM permit 0618405 to a new owner. On the transfer application, it was indicated that the quantity and quality of the discharge would be the same.

The treatment system in place is a Premier Tech EcoFlo PACK unit with coco filter and UV light disinfection (EC7-500P-P PACK coco filter). At this time, this system is not eligible for coverage under DEP's general permit PAG-04 for Small Flow Treatment Facilities (SFTFs).

The limits and the minimum monitoring frequency in the draft renewal permit are consistent with DEP's Standard Operating Procedure (SOP) for New and Reissuance SFTFs Individual NPDES Permit Applications, Revised November 9, 2023. Because neither the SOP nor the PAG-04 require an Instantaneous Maximum limit for Fecal Coliform, that limit has been dropped from the existing permit, consistent with other NPDES permits for SFTFs.

- Recent pumping records were supplied with the application.
- The Annual Maintenance Reports are up-to-date.
- There are no outstanding Annual fees (per DEP's Annual fees report)
- The receiving waterway and the downstream waterways are not designated as Class A Trout or High Quality or Exceptional Value, nor are there applicable Total Maximum Daily Loads (TMDLs) for the receiving waterway or downstream waterways.

Approve	Deny	Signatures	Date
x		<i>Bonnie Boylan</i> Bonnie Boylan / Environmental Engineering Specialist	February 23, 2024
x		<i>Maria D. Bebenek</i> for Daniel W. Martin, P.E. / Environmental Engineer Manager	March 5, 2024

Summary of Review

Delaware River Basin Commission (DRBC)

Because the discharge is within the Delaware River basin, a copy of the draft permit and the fact sheet will be forwarded to the DRBC according to regulations and an interagency agreement. However, the facility is below DRBC's threshold for reviewable projects.

Outstanding Violations

No 'Non-Compliances' are shown in DEP's WMS database for this permit. No outstanding (unresolved) violations are shown in DEP's eFacts Clean Water database for this facility.

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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 21' 54.2"</u>	Longitude	<u>-75° 53' 19.6"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Antietam Creek (CWF, MF)</u>	Stream Code	<u>UNT to UNT1808</u>
NHD Com ID	<u>25992856 (for UNT 1808)</u>	RMI	<u>est'd as 0.57 on UNT, 0.8 RMI on UNT 1808</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>less than 0.173 per Stream Stats</u>	Q ₇₋₁₀ Basis	<u>PA Strm Stats at UNT emptying into UNT 1808</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-C</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u>none per eMapPA and none per DEP list (revised 10/2023)</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Impaired for recreational use</u>		
Cause(s) of Impairment	<u>Pathogens</u>		
Source(s) of Impairment	<u>Source Unknown</u>		
TMDL Status	<u>none</u>	Name	<u>-</u>

Secondary Water:

UNT enters Antietam Creek (also impaired due to pathogens, no TMDL, CWF, MF) at approx. 0.8 RMI; Antietam Creek flows through Lake Antietam which is impaired for aquatic life due to organic enrichment (assessment ID 3062) approx. 1.3 miles downstream of outfall 001; then Antietam Creek empties into Schuylkill River at RMI 67.4 (subject to a TMDL for PCBs).

Background/Ambient Data	Data Source – none available		
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			
PWS Waters	<u></u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u></u>

Compliance History	
Summary of AMRs:	<p>AMR for June 1, 2020- May 31, 2021 reported permit limit exceedances for BOD, TSS, and Fecal. Repairs made by vendor. UV light cleaned.</p> <p>AMR for June 1, 2021- May 31, 2022 (OnBase submittal #61890). UV bulb replaced. Three effluent samples: BOD5 average of 11.3 mg/l was slightly above the permit limit of 10 mg/l. Met the IMAX BOD limit. Met the Fecal and TSS limits. Lab results pages were included.</p> <p>AMR for June 1, 2022 – May 31, 2023 (OnBase submittal #112974). UV bulb replaced. Again, lab samples showed exceedances of permit limits. Three effluent samples were analyzed with the following results: all 3 exceeded both BOD5 avg and IMAX limits; the TSS average limit was exceeded but not the IMAX limit; the annual average Fecal Coliform limits was exceeded and the IMAX limit was exceeded twice. Lab results pages were included. The owner had scheduled the tanks to be pumped, for June 2023.</p> <p>The AMR for June 1, 2023 – May 31, 2024 was not yet due at the time of the renewal permit/transfer permit submission. Pumping records were submitted with the application and another effluent sample result from July 31, 2023, with lab results page included: BOD5 was <2 mg/l, TSS was 18.8 mg/l (above monthly average permit limit of 10 mg/l), and Fecal Coliform was <1 cfu/100 mL.</p>
Summary of Inspections:	<p>1/6/2021 – Administrative Review - No violations noted – AMR was submitted for June 1, 2019 – May 31, 2020 monitoring period but the SFTF was not yet constructed and operational.</p> <p>No more recent DEP CW inspection was shown in DEP’s WMS database .</p>

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
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: at outfall 001