

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0245135
APS ID 1121444
Authorization ID 1499163

Applicant, Facility and Project Information

Applicant Name	<u>Barc Res Service</u>	Facility Name	<u>2003 Old Bethlehem Pike</u>
Applicant Address	<u>1448 S Old Bethlehem Pike</u> <u>Quakertown, PA 18951-2718</u>	Facility Address	<u>2003 Old Bethlehem Pike</u> <u>Sellersville, PA 18960-1812</u>
Applicant Contact	<u>Todd Janney</u>	Facility Contact	<u>Adam Browning</u>
Applicant Phone	<u>(215) 536-2097</u>	Facility Phone	<u>(215) 362-4610</u>
Client ID	<u>388124</u>	Site ID	<u>835209</u>
SIC Code	<u>4952</u>	Municipality	<u>East Rockhill Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Bucks</u>
Date Application Received	<u>August 12, 2024</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>.SFTF renewal</u>		

Summary of Review

The property at 2003 Old Bethlehem Pike supports a group home facility that houses 5 residents and up to 3 employees. The 5 residents sleep at the property full time. The property is owned and operated by BARC Residential Services. The maintenance garage is utilized for storage purposes. The average discharge flow has been approximately 300 GPD.

The site was initially permitted as SRSTP. With this renewal, it is being converted to SFTF as the facility is for a business. The annual fee will be updated accordingly.

The facility is designed to treat 600 gallons of sewage per day. It consists of the following treatment units;

- 2000-gallon dual compartment concrete septic tank with Zabel A300 effluent filter.
- An Ecoflo ECDn700p biofilter (with pump unit) to provide filtration and biological treatment of the effluent from the septic tanks.
- Disinfection will be provided by an ORENCO UV125/31-UVISUB UV disinfection unit
- The final discharge to the outfall will be using a 4"-PVC Sch 40, with riprap discharge channel.

The previous approval of this project was specifically made contingent that nitrogen-reducing treatment component be part of the proposed SFTF. According to the previous permit, after primary settling and separation, the effluent is discharged via gravity to ECO-FLO bio-filter for physical and biological treatment which includes denitrification process.

There is no change proposed for the facility.

Due to the change in the permit type (SRSTP to SFTF), the monitoring frequency will be updated to semi-annual.

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / Environmental Engineering Specialist	November 27, 2024
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	12/2/2024

Summary of Review

Per the inspection from 7/3/2024, the site is in good condition. The applicant has a violation for failure to submit NPDES renewal.

The approval is being recommended.

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 and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0006
Latitude	40° 22' 57.73"	Longitude	-75° 18' 45.17"
Quad Name		Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Threemile Run (TSF, MF)	Stream Code	3168
NHD Com ID	26053632	RMI	0.0800
Drainage Area		Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)		Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-D	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	FLOW REGIME MODIFICATION, FLOW REGIME MODIFICATION, FLOW REGIME MODIFICATION, NUTRIENTS, NUTRIENTS, NUTRIENTS		
Source(s) of Impairment	HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), REMOVAL OF RIPARIAN VEGETATION, REMOVAL OF RIPARIAN VEGETATION, REMOVAL OF RIPARIAN VEGETATION		
TMDL Status		Name	

Changes Since Last Permit Issuance: None

Other Comments:

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	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report SEMI AVG	XXX	XXX	XXX	XXX	XXX	1/6 months	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9	1/6 months	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/6 months	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/6 months	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab

Compliance Sampling Location:

Other Comments: