

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264580
APS ID 1036904
Authorization ID 1350778

Applicant, Facility and Project Information

| | | | |
|---------------------------|---|------------------|---|
| Applicant Name | <u>Raymond Bates</u> | Facility Name | <u>Raymond Bates SRSTP</u> |
| Applicant Address | <u>248 Carbon Center Road</u> <u>Butler, PA 16002-1020</u> | Facility Address | <u>248 Carbon Center Road</u> <u>Butler, PA 16002-1020</u> |
| Applicant Contact | <u>Raymond Bates</u> | Facility Contact | <u>Raymond Bates</u> |
| Applicant Phone | <u>(724) 822-2654</u> | Facility Phone | <u>(724) 822-2654</u> |
| Client ID | <u>328892</u> | Site ID | <u>816243</u> |
| SIC Code | <u>8800</u> | Municipality | <u>Summit Township</u> |
| SIC Description | <u>Private Households</u> | County | <u>Butler</u> |
| Date Application Received | <u>March 16, 2021</u> | WQM Required | <u>No</u> |
| Date Application Accepted | <u>May 15, 2021</u> | WQM App. No. | <u>-</u> |
| Project Description | <u>Individual NPDES permit renewal.</u> | | |

Summary of Review

The project involves the NPDES renewal of a new 400 gpd single residence sewage treatment system.

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 REQUIREMENTS

- | | |
|---|---------------------------------|
| 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

Proposed treatment will consist of (WQM Permit No. 1016405) a Norweco Singulair Model 960 aerobic unit with built-in chlorination unit, where the treated effluent will discharge to an Unnamed Tributary to Bonnie Brook (WWF).

There are no open violations in WMS for the subject client ID (328892) as of 3/14/2022.

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.

| Approve | Deny | Signatures | Date |
|---------|------|---|----------------|
| X | | Jon F. Bucha Jonathan F. Bucha / Civil Engineer General | March 10, 2022 |
| X | | Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager | March 21, 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>40° 52' 13.35"</u> | Longitude | <u>-79° 47' 48.91"</u> |
| Quad Name | <u>Saxonburg</u> | Quad Code | <u>1206</u> |
| Wastewater Description: <u>Sewage Effluent</u> | | | |
| Receiving Waters | <u>Unnamed Trib to Bonnie Brook (WWF)</u> | Stream Code | <u>35139</u> |
| NHD Com ID | <u>126221568</u> | RMI | <u>5.3</u> |
| Drainage Area | <u>-</u> | Yield (cfs/mi ²) | <u>-</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>0</u> | Q ₇₋₁₀ Basis | <u>Dry Stream</u> |
| Elevation (ft) | <u>1120 (Google Earth)</u> | Slope (ft/ft) | <u>-</u> |
| Watershed No. | <u>20-C</u> | Chapter 93 Class. | <u>WWF</u> |
| Existing Use | <u></u> | Existing Use Qualifier | <u></u> |
| Exceptions to Use | <u></u> | Exceptions to Criteria | <u></u> |
| Assessment Status | <u>Impaired</u> | | |
| Cause(s) of Impairment | <u>CAUSE UNKNOWN</u> | | |
| Source(s) of Impairment | <u>SOURCE UNKNOWN</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>Beaver Falls Municipal Authority – Eastvale intake</u> | | |
| PWS Waters | <u>Beaver River</u> | Flow at Intake (cfs) | <u>561</u> |
| PWS RMI | <u>3.5</u> | Distance from Outfall (mi) | <u>61</u> |

Changes Since Last Permit Issuance: None

Other Comments: This treatment facility is capable of meeting effluent limitations.

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 | |
|--------------------------------|--|
| Summary of DMRs: | Effluent sampling shows the treatment system performing as designed to. There has been a fecal coliform exceedance in 2018 of > 6000 mg/L due to lack of chlorine tablets in the system. |
| Summary of Inspections: | Septic system maintenance is performed annually by Delaware Concrete Products. Scum and sludge levels are measured above and below the outlet respectively. Chlorine tablets need checked occasionally to ensure proper performance. |

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 |
| TRC | XXX | XXX | XXX | Report Daily Max | XXX | XXX | 1/month | Grab |
| BOD5 | XXX | XXX | XXX | 10.0 | XXX | 20.0 | 1/year | Grab |
| TSS | XXX | XXX | XXX | 10.0 | XXX | 20.0 | 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 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD₅, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.

Attachment A – eMAP Stream Designation

