

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272418
APS ID 997091
Authorization ID 1279815

Applicant, Facility and Project Information



| | | | |
|----------------------|--|------------------|--|
| Applicant Name | <u>Austin Binkert</u> | Facility Name | <u>Austin Binkert SRSTP</u> |
| Applicant Address | <u>430 Meadville Road</u> <u>Titusville, PA 16354</u> | Facility Address | <u>430 Meadville Road</u> <u>Titusville, PA 16354</u> |
| Applicant Contact | <u>Austin Binkert</u> | Facility Contact | <u></u> |
| Applicant Phone | <u>(814) 428-2554</u> | Facility Phone | <u></u> |
| Client ID | <u>351096</u> | Site ID | <u>835764</u> |
| Municipality | <u>Plum Township</u> | County | <u>Venango</u> |
| SIC Code | <u>8800</u> | SIC Code | <u>4952</u> |
| SIC Description | <u>Private Households</u> | SIC Description | <u>Trans. & Utilities - Sewerage Systems</u> |
| Application Received | <u>June 18, 2019</u> | WQM Required | <u>Review pending</u> |
| Application Accepted | <u>July 25, 2019</u> | WQM App. No. | <u>6119403</u> |
| Project Description | <u>Single Residence Sewage Treatment Plant.</u> | | |

Summary of Review

No violations have been reported

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 |
|---|------|--|---------------|
|  | | William H. Mentzer, P.E. Environmental Engineering Specialist | July 30, 2019 |
|  | | Justin C. Dickey, P.E. Environmental Engineer Manager | |

| Discharge, Receiving Waters and Water Supply Information | | | |
|--|--|------------------------------|--------------------------|
| Outfall No. | <u>001</u> | Design Flow (MGD) | <u>0.0004</u> |
| Latitude | <u>41° 35' 41.53"</u> | Longitude | <u>-79° 50' 9.04"</u> |
| Latitude | <u>41° 35' 38.15"</u> | Longitude | <u>-79° 50' 1.67"</u> |
| Quad Name | <u>Dempseytown</u> | Quad Code | <u>0607</u> |
| Wastewater: | <u>Treated single residence domestic wastes</u> | | |
| Receiving Waters | <u>Unnamed Tributary to Sugar Creek</u> | Stream Code | <u>51890</u> |
| NHD Com ID | <u>127347446</u> | RMI | <u>1.37</u> |
| Drainage Area | <u>0.05</u> | Yield (cfs/mi ²) | <u>0</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>0</u> | Q ₇₋₁₀ Basis | <u>Dry stream</u> |
| Elevation (ft) | <u>1524.94</u> | Slope (ft/ft) | <u>0.0120</u> |
| Watershed No. | <u>16D</u> | Chapter 93 Class. | <u>Cold Water Fishes</u> |
| Existing Use | <u>statewide</u> | Existing Use Qualifier | <u>none</u> |
| Exceptions to Use | <u>none</u> | Exceptions to Criteria | <u>none</u> |
| Comments | <u>NHD location is 0.14 mile above an instream pond. Perennial stream conditions are expected downstream at the confluence with Sugar Creek.</u> | | |
| Assessment Status | <u>Attaining Use(s)</u> | | |
| Cause(s) of Impairment | _____ | | |
| Source(s) of Impairment | _____ | | |
| TMDL Status | _____ | Name | _____ |
| Background/Ambient Data | | Data Source | |
| pH (SU) | _____ | | _____ |
| Temperature (°F) | _____ | | _____ |
| Hardness (mg/L) | _____ | | _____ |
| Other: | _____ | | _____ |
| Nearest Downstream Public Water Supply Intake | <u>Aqua Pa Emlenton</u> | | |
| PWS Waters | <u>Allegheny River</u> | Flow at Intake (cfs) | <u>1250</u> |
| PWS RMI | <u>90.57</u> | Distance from Outfall (mi) | <u>55.64</u> |

Changes Since Last Permit Issuance: NA

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 | Annual Average | Maximum | Instant. Maximum | | |
| Flow (MGD) | 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 | 20.0 | 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