

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272507
APS ID 1000781
Authorization ID 1286763

Applicant, Facility and Project Information

| | | | |
|---------------------|---|------------------|--|
| Applicant Name | <u>Ralph Engel</u> | Facility Name | <u>Ralph Engel SRSTP</u> |
| Applicant Address | <u>202 Estate Lane</u> <u>Harmony, PA 16037-8708</u> | Facility Address | <u>105 Albert Drive</u> <u>Prospect, PA 16052</u> |
| Applicant Contact | <u>Ralph Engel</u> | Facility Contact | <u></u> |
| Applicant Phone | <u>(724) 968-6581</u> | Facility Phone | <u></u> |
| Client ID | <u>352126</u> | Site ID | <u>837172</u> |
| Municipality | <u>Muddycreek Township</u> | County | <u>Butler</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> |
| Received | <u>August 14, 2019</u> | WQM Required | <u>Pending</u> |
| Accepted | <u>September 23, 2019</u> | WQM App. No. | <u>1019405</u> |
| Project Description | <u>Single Residence Sewage Treatment Plant.</u> | | |



Summary of Review

Proposed is a small flow sewage treatment facility serving a new four-bedroom residence.

The discharge is to a dry drainage swale with a similar discharge 0.04 mile upstream. The secondary waters are a intermittent un-named tributary to Little Yellow Creek. Perennial stream conditions are estimated at Tributary RMI 0.53 approximately 0.68-miles downstream.

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 | September 24, 2019 |
|  | | Justin C. Dickey, P.E. Environmental Engineer Manager | |

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 |
| CBOD5 | 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: Outfall 001 after disinfection

Other Comments: UV monitoring and maintenance as stated on the AMR.