

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0291137
APS ID 1069708
Authorization ID 1407109

Applicant, Facility and Project Information

| | | | |
|---------------------------|---|------------------|---|
| Applicant Name | <u>Cynthia & Norman Dougan</u> | Facility Name | <u>Cynthia & Norman Dougan SRSTP</u> |
| Applicant Address | <u>9579 Bliley Road</u> <u>Erie, PA 16510-5271</u> | Facility Address | <u>9579 Bliley Road</u> <u>Erie, PA 16510-5271</u> |
| Applicant Contact | <u>Cynthia Dougan</u> | Facility Contact | <u></u> |
| Applicant Phone | <u>(814) 464-4164</u> | Facility Phone | <u></u> |
| Applicant E Mail | <u>cdougan@dionwpa.org</u> | Facility E Mail | <u></u> |
| Client ID | <u>371949</u> | Site ID | <u>856975</u> |
| Municipality | <u>Greene Township</u> | County | <u>Erie</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> |
| Date Application Received | <u>August 15, 2022</u> | WQM Required | <u>pending</u> |
| Date Application Accepted | <u>August 31, 2022</u> | WQM App. No. | <u>2522428</u> |
| Project Description | <u>New treated sewage discharge at a proposed malfunctioning on-lot sewage disposal facility replacement.</u> | | |

Summary of Review

No violations are listed. Design is for 400-gpd and 1.1-PPD BOD5 based on 3 bedrooms.

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 |
|---------|------|---|--------------------------------|
| X | | <i>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist | August 31, 2022 |
| X | | Vacant Environmental Engineer Manager | Okay to Draft JCD 9/12/2022 |

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 DP | <u>42° 5' 15.40"</u> | Longitude DP | <u>-79 ° 55' 45.70"</u> |
| Latitude NHD | <u>42° 5' 15.55"</u> | Longitude NHD | <u>-79 ° 55' 15.03"</u> |
| Quad Name | <u>Hammett</u> | Quad Code | <u>0206</u> |
| Wastewater Description: <u>Treated single residence domestic wastes</u> | | | |
| Receiving Waters | <u>Unnamed Tributary to Sixmile Creek</u> | Stream Code | <u>unknown</u> |
| NHD Com ID | <u>123923409</u> | RMI | <u>0.5</u> |
| Drainage Area | <u>1.39 acres</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>1422.00</u> | Slope (ft/ft) | <u></u> |
| Watershed No. | <u>15-A</u> | Chapter 93 Class. | <u>CWF, MF</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>Confluence intermittent tributary 62384 RMI 0.53 drainage 0.37 sq mi (238.3 a)</u> <u>Tributary basin drainage 338.4 acres. Perennial stream at Sixmile Creek 62343 confluence</u> | | |
| Assessment Status | <u>Attaining Use(s)</u> | | |
| Cause(s) of Impairment | <u></u> | | |
| Source(s) of Impairment | <u></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>State of New York</u> | | |
| PWS Waters | <u>Lake Erie</u> | Flow at Intake (cfs) | <u>NA</u> |
| PWS RMI | <u>892.63</u> | Distance from Outfall (mi) | <u>30.02</u> |

Changes Since Last Permit Issuance: NA

Other Comments: No downstream impairment expected. Canada is 32.41 miles downstream and mid lake

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 |
| BOD5 | XXX | XXX | XXX | 10.0 | XXX | 2.00 | 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: See AMR for UV radiation disinfection requirements