

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0233633
APS ID 997284
Authorization ID 1280116

Applicant, Facility and Project Information

Applicant Name	<u>Michael C. Dyke</u>	Facility Name	<u>Dyke SRSTP</u>
Applicant Address	<u>260 Baney Road</u> <u>Julian, PA 16844-7907</u>	Facility Address	<u>260 Baney Road</u> <u>Julian, PA 16844-7907</u>
Applicant Contact	<u>Michael Dyke</u>	Facility Contact	<u>Michael Dyke</u>
Applicant Phone	<u>814-353-0291</u>	Facility Phone	<u>814-353-0291</u>
Client ID	<u>266323</u>	Site ID	<u>703100</u>
SIC Code	<u>4952</u>	Municipality	<u>Union Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Centre</u>
Date Application Received	<u>July 11, 2019</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>September 11, 2019</u>	WQM App. No.	<u>n/a</u>

Project Description Renewal of an existing NPDES permit for the discharge of treated sewage.

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
		Derek S. Garner / Project Manager	
		Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	

Dyke SRSTP

Discharge, Receiving Waters and Water Supply Information

Outfall No. <u>001</u>	Design Flow (GPD) <u>400</u>
Latitude <u>40° 55' 23.56"</u>	Longitude <u>-77° 53' 58.82"</u>
Quad Name <u>Bear Knob</u>	Quad Code <u>1122</u>
Wastewater Description: <u>Sewage Effluent</u>	

Receiving Waters <u>Dewitt Run</u>	Stream Code <u>23144</u>
NHD Com ID <u>67179150</u>	RMI <u>2.0</u>
Drainage Area <u>n/a</u>	Yield (cfs/mi ²) <u>n/a</u>
Q ₇₋₁₀ Flow (cfs) <u>n/a</u>	Q ₇₋₁₀ Basis <u>n/a</u>
Elevation (ft) <u>n/a</u>	Slope (ft/ft) <u>n/a</u>
Watershed No. <u>09C</u>	Chapter 93 Class. <u>Cold Water Fishes</u>
Existing Use <u>n/a</u>	Existing Use Qualifier <u>n/a</u>
Exceptions to Use <u>n/a</u>	Exceptions to Criteria <u>n/a</u>
Assessment Status <u>Attaining Use(s)</u>	
Cause(s) of Impairment <u>n/a</u>	
Source(s) of Impairment <u>n/a</u>	
TMDL Status <u>n/a</u>	Name <u>n/a</u>

Nearest Downstream Public Water Supply Intake <u>Pennsylvania American Water Company</u>	
PWS Waters <u>Susquehanna River</u>	Flow at Intake (cfs) <u>688</u>
PWS RMI <u>10.64</u>	Distance from Outfall (mi) <u>97</u>

Facility Description

The treatment plant serves a single-family residence. Treatment consists of one septic tank, an Ecoflo peat fiber biofilter system, and one erosion chlorinator.

Compliance History

The facility was last inspected December 7, 2017. At the time of inspection there was no impact to the receiving water at Outfall 001. The inspection report also documented that the annual maintenance reports were not being submitted. It appears AMRs have generally been submitted on time since the 2017 inspection.

Development of Effluent Limits

The proposed effluent limits are the same as the existing permit and are consistent with those found in the PAG-04, the general permit for small flow treatment facilities. The statistical base codes for flow, CBOD₅, total suspended solids, and fecal coliform have been changed from average monthly to annual average to match the annual minimum measurement frequency. The instantaneous maximum requirements remain unchanged.

The units for flow have been changed from MGD to GPD to better reflect the actual flow volume from a single residence sewage treatment plant.

Existing Effluent Limitations and Monitoring Requirements

The existing limitations and monitoring requirements are as follows:

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit:

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Annual Average	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
CBOD5	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