

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0255688
APS ID 1014781
Authorization ID 1311303

Applicant, Facility and Project Information

Applicant Name	<u>Douglas K. & Laura E. Miller</u>	Facility Name	<u>Miller SRSTP</u>
Applicant Address	<u>135 Sandy Drive</u> <u>Clinton, PA 15026-1325</u>	Facility Address	<u>135 Sandy Drive</u> <u>Clinton, PA 15026-1325</u>
Applicant Contact	<u>Douglas K. Miller</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>724.899.4131</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>356023</u>	Site ID	<u>525501</u>
SIC Code	<u>8800</u>	Municipality	<u>Hanover Township</u>
SIC Description	<u>Private Households</u>	County	<u>Beaver</u>
Date Application Received	<u>April 1, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>April 16, 2020</u>	WQM App. No.	<u>0400407 Issued on September 28, 2000</u>
Project Description	<u>Application for the renewal and transfer of ownership of an existing SRSTP.</u>		

Summary of Review

The applicant has applied for the renewal and transfer of NPDES Permit No. PA0218588, which was originally issued by the Department on September 28, 2000 and expired on September 28, 2005. NPDES Permit No. PA0218588 was never renewed by the previous applicant, Mr. Michael Weekley.

Since expired permits cannot be renewed, a new NPDES Permit Number, PA0255688, has been assigned to this existing SRSTP.

WQM Permit No. 0400407 authorized construction of a SRSTP with a hydraulic design capacity of 0.0005 MGD. This permit was transferred to the Miller's under WQM Permit No. 0400407 T-1 on May 15, 2020.

The existing treatment process consists of a 500 gallon septic tank, a 1,000 gallon dual compartment septic tank with dosing pump, a 792 sq ft subsurface sand filter, a tablet chlorinator, and a 300 gallon chlorine contact tank.

The receiving stream is Swale to UNT of Traverse Creek, which is classified as a HQ-CWF located in State Watershed 20-D. Traverse Creek flows into Raccoon Creek State Park Dam.

Effluent limitations for this discharge were established based upon the most stringent limitation amongst the Department's Implementation Guidance for Evaluating Wastewater Discharges to Drainage Swales and Ditches, Water Quality Antidegradation Implementation Guidance, Department SOP – New and Reissuance Individual SFTF NPDES Permits, WQAM63, and Chapter 93. Please see the attached Proposed Effluent Limitations on page 4 of this fact sheet.

BOD5, TSS, and TRC limitations were imposed based upon the Department's SOP – New and Reissuance Individual SFTF NPDES Permits.

Approve	Deny	Signatures	Date
X		<u>William C. Mitchell</u> William C. Mitchell, E.I.T. / Environmental Engineering Specialist	May 15, 2020
X		<u>Christopher Kriley</u> Christopher Kriley, P.E. / Program Manager	May 20, 2020

Summary of Review

Technology-based effluent limits for pH and Fecal Coliform will be imposed based upon State Regulation 95.2(1) & 92a.47(a)(5).

Please note that the sampling frequency for all parameters have been changed from 1/6 months to 1/year to be consistent with the Department's SOP - New and Reissuance of SFTF Individual NPDES Permit Applications.

Sewage discharges with design flows < 2,000 GPD are not required to monitor for Total Nitrogen and Total Phosphorus in new and reissued permits.

The applicant does not use eDMR and current policy does not require eDMR to be used for SRSTPs

The applicant has complied with Act 14 Notifications and no comments were received.

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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.00049</u>
Latitude	<u>40° 29' 29.00"</u>	Longitude	<u>-80° 23' 19.00"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Swale to Unnamed Tributary of Traverse Creek (HQ-CWF)</u>	Stream Code	<u>Swale to 33707</u>
NHD Com ID	<u>99686064</u>	RMI	<u>0.3 on 33707</u>
Drainage Area	<u>0</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry Swale</u>
Elevation (ft)	<u>1135</u>	Slope (ft/ft)	_____
Watershed No.	<u>20D</u>	Chapter 93 Class.	<u>High Quality Waters - Cold Water Fishes</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	<u>Abandoned Mine Drainage</u>		
TMDL Status	<u>Final</u>	Name	<u>Raccoon Creek Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	_____	_____	
Temperature (°F)	_____	_____	
Hardness (mg/L)	_____	_____	
Other:	_____	_____	
Nearest Downstream Public Water Supply Intake	<u>Raccoon Creek State Park</u>		
PWS Waters	<u>Traverse Creek</u>	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	<u>1.48</u>

Changes Since Last Permit Issuance: None

Other Comments: The discharge is to Swale to UNT of Traverse Creek, which flows into the Raccoon Creek Watershed that has a Final TMDL and is impaired by metals and pH. This sewage discharge is not expected to contribute to the stream impairment for which abandoned mine drainage is source of such impairment. No WLAs have been developed for this sewage discharge and they are not expected to contribute to the stream impairment for these pollutants.

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)	0.0005 Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
DO	XXX	XXX	3.0 Inst Min	XXX	XXX	XXX	1/year	Grab
TRC	XXX	XXX	XXX	Report	XXX	Report	1/year	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	1000	1/year	Grab
Ammonia-Nitrogen	XXX	XXX	XXX	3.0	XXX	6.0	1/year	Grab

Compliance Sampling Location: Outfall # 001