

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0245321  
APS ID 1048326  
Authorization ID 1370486

**Applicant, Facility and Project Information**

Applicant Name	<u>Miller Amanda L</u>	Facility Name	<u>170 Short Rd SRSTP</u>
Applicant Address	<u>170 Short Road</u> <u>Doylestown, PA 18901-3217</u>	Facility Address	<u>170 Short Road</u> <u>Doylestown, PA 18901</u>
Applicant Contact	<u>Michael &amp; Amanda Miller</u>	Facility Contact	<u>Michael &amp; Amanda Miller</u>
Applicant Phone	<u>(484) 894-1982</u>	Facility Phone	<u>(484) 894-1982</u>
Client ID	<u>365688</u>	Site ID	<u>851982</u>
SIC Code	<u>4952</u>	Municipality	<u>Doylestown Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Bucks</u>
Date Application Received	<u>September 9, 2021</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u>0921405</u>
Project Description	<u>New permit</u>		

**Summary of Review**

The applicant has applied for NPDES permit to discharge sewage effluent from small flow treatment facilities (SRSTP) to unnamed tributary (UNT) to Watson Creek then to Neshaminy Creek through Outfall 001.

SRSTP consists of a 1500 Gallon two compartment concrete septic tank, ECOFLO ECDn600C (COCO Media filter w/integrated pump chamber), ORENCO UV-125- UVIBSUB Ultraviolet Disinfection Unit.

UNT to Watson Creek (TSF, MF) is classified as dry drainage swale.

Based on the New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications SOP No. BPNPSM-PMT-003 and according to Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers following parameters of concern are proposed:

Flow (MGD)  
pH (S.U.)  
CBOD5  
TSS  
Fecal Coliform (No./100 ml)

Effluent limits and monitoring requirements are listed in p. 4 of this factsheet. Part C of the permit includes following UV cleaning requirement:

- J. Where ultraviolet light (UV) is used for disinfection, permittee is required to provide proper cleaning of the UV contact surface every month. Place check mark for the month of UV contact surface cleaning was performed on attached Annual Maintenance Report and submit to the Department with annual DMR.

Approve	Deny	Signatures	Date
X		Begay Omuralieva Begay Omuralieva / Environmental Engineering Specialist	10/21/2021
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	10/21/2021

**Summary of Review**

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 and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>40° 17' 57.40"</u>	Longitude	<u>-75° 6' 7.29"</u>
Quad Name	<u>Buckingham</u>	Quad Code	<u>1645</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Neshaminy Creek (TSF, MF)</u>	Stream Code	<u></u>
NHD Com ID	<u>25475582</u>	RMI	<u>0.4500</u>
Drainage Area	<u></u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u></u>	Q <sub>7-10</sub> Basis	<u></u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u></u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u>Final</u>	Name	<u>Neshaminy Creek</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></u>			
PWS Waters	<u></u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u></u>

Changes Since Last Permit Issuance:

Other Comments:

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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	1/year	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