

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0254282
APS ID 873814
Authorization ID 1370587

Applicant, Facility and Project Information

Applicant Name	<u>Michael T Taylor</u>	Facility Name	<u>Taylor SRSTP</u>
Applicant Address	<u>263 Moscow Road</u> <u>Amity, PA 15311-1234</u>	Facility Address	<u>263 Moscow Road</u> <u>Amity, PA 15331</u>
Applicant Contact	<u>Michael Taylor</u>	Facility Contact	<u>Michael Taylor</u>
Applicant Phone	<u></u>	Facility Phone	<u></u>
Client ID	<u>292247</u>	Site ID	<u>725891</u>
SIC Code	<u></u>	Municipality	<u>Amwell Township</u>
SIC Description	<u></u>	County	<u>Washington</u>
Date Application Received	<u>September 14, 2021</u>	WQM Required	<u>No, NPDES renewal</u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>NPDES permit renewal.</u>		

Summary of Review


The PA Department of Environmental Protection (PADEP/Department) received an NPDES permit renewal application from Mr. Michael T Taylor (permittee) on September 14, 2021. The treated effluent is discharged through Outfall 001 into Ten mile Creek in State Watershed 19-B. The SRSTP is located in Amwell Township, Washington County. The existing permit was expired on July 31, 2021. Renewal NPDES permit applications under Clean Water Program are not covered by PADEP's PDG per 021-2100-001.

This fact sheet is developed in accordance with 40 CFR §124.56

Changes in the permit: CBOD5 is replaced with BOD5 and TRC monitoring removed.

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
√		Reza H. Chowdhury, E.I.T. / Project Manager 	October 26, 2021
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	10/28/2021

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40° 00' 57"	Longitude	-80° 10' 4"
Quad Name	Amity	Quad Code	1804
Wastewater Description: Sewage Effluent			
Receiving Waters	Tenmile creek	Stream Code	40285
NHD Com ID	99412650	RMI	18.87
Drainage Area		Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)		Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	19-B	Chapter 93 Class.	TSF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Tri County Joint MA		
PWS Waters	Monongahela River	Flow at Intake (cfs)	
PWS RMI	65.25	Distance from Outfall (mi)	19.62

Changes Since Last Permit Issuance: None

Other Comments:

Anti-Degradation Requirement

Chapter 93.4a(b) of the Department's rules and regulations require that "Existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected." The discharge is into a stream segment designated as Trout Stocking (TSF). No High-Quality Waters are impacted by this discharge. No Exceptional Value Waters are impacted by this discharge.

Class A Wild Trout Streams:

No Class A Wild Trout Fishery will be impacted by this discharge.

303d Listed Streams:

eMapPA shows the stream as attaining its designated use(s).

Compliance History	
Summary of DMRs:	The application data indicated pH range of 6.0-9.0 S.U., CBOD5 25 mg/l, fecal coliform 2 no./100 ml, and TSS of 30 mg/l.
Summary of Inspections:	An admin inspection was conducted on August 24, 2021. No effluent violation or AMR violation documented, however, was advised about the renewal application due date.

Other Comments:

Other Comments: Effluent violation noted for BOD5 and TSS.

Treatment Facility summary:

The application was submitted to renew an SRSTP named Michael Taylor SRSTP located in 263 Moscow Road, Amity, PA 15331. This SRSTP receives and treats an average of 400 GPD of sewage and discharges the disinfected effluent into Tenmile Creek (TSF) in state watershed 19-B through Outfall 001.

The treatment system consists of one septic tank, one peat filter tank, and one UV disinfection unit.

The septic tank was pumped on July 9, 2021 by Hapchuk, Inc.; peatmoss tank pumped, new peatmoss installed and the UV bulb was replaced on September 3, 2021.

Development of effluent limitations:

Flow monitoring:

Flow monitoring will be continued in this renewal in accordance with DEP's SOP BCW-PMT-003 revised May 17, 2019. The reporting frequency set forth is once a year and sample type is Estimate (for SRSTP.)

Biochemical Oxygen Demand (BOD₅)

The existing average annual CBOD₅ limit of 10 mg/l and IMAX limit of 20 mg/l will be replaced by BOD₅ limits of 10 mg/l as annual average and 20 mg/l as IMAX. These limits are consistent with the SOP.

Total Suspended Solids (TSS)

The existing average annual TSS limit of 10 mg/l and IMAX limit of 20 mg/l will be carried over in this renewal. These limits are consistent with the SOP.

Fecal Coliform:

Existing year-round annual average and IMAX limit of 200 No./100 ml will be carried over.

pH:

Existing Daily minimum pH of 6.0 and Daily Maximum pH of 9.0 S.U. will be carried over in this renewal, per Pa Code 25 Ch. 95.2(1).

Total Residual Chlorine:

Existing permit has reporting requirement for TRC. The facility utilizes UV for disinfection, therefore, TRC monitoring requirement will be removed.

UV:

The SOP indicates that it is not necessary to require UV intensity or transmittance monitoring in the permit for SRSTPs/SFTFs.

It should be noted that in this renewal, all previously issued average monthly limits be converted into annual average values, since the monitoring frequency is 1/year.

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 Daily Min	XXX	9.0 Daily Max	XXX	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	XXX	1/year	Grab

Compliance Sampling Location: At Outfall 001