

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0203726
APS ID 1053740
Authorization ID 1379840

Applicant, Facility and Project Information

Applicant Name	<u>Harry M Elder</u>	Facility Name	<u>United States Post Office STP</u>
Applicant Address	<u>921 Georgetown Road</u> <u>Sandy Lake, PA 16145</u>	Facility Address	<u>7337 National Pike</u> <u>Addison, PA 15411-2167</u>
Applicant Contact	<u>Tom Coe</u>	Facility Contact	<u>Tom Coe</u>
Applicant Phone	<u>606-782-0960</u>	Facility Phone	<u>606-782-0960</u>
Client ID	<u>351222</u>	Site ID	<u>245388</u>
SIC Code	<u>7389</u>	Municipality	<u>Addison Borough</u>
SIC Description	<u>Services - Business Services, Nec</u>	County	<u>Somerset</u>
Date Application Received	<u>December 22, 2021</u>	WQM Required	<u>No</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 Latitudes Environmental on behalf of Mr. Harry M Elder (permittee) on December 22, 2021 for United States Post Office STP (facility). The treated effluent is discharged through Outfall 001 into Chub Run in State Watershed 19-F. The SFTF is located in Addison Borough, Somerset County. The existing permit will expire on June 30, 2022. The terms and conditions are automatically extended since the renewal application was received at least 180 days prior to the expiration date. 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.

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 	January 26, 2022
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	01/27/2022

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	<u>39° 44' 1.0"</u>	Longitude	<u>-79° 20' 0.0"</u>
Quad Name	<u>Accident</u>	Quad Code	<u>2111</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Chub Run (WWF)</u>	Stream Code	<u>39400</u>
NHD Com ID	<u>69923359</u>	RMI	<u>1.28</u>
Drainage Area	_____	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	_____	Q ₇₋₁₀ Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>19-F</u>	Chapter 93 Class.	<u>WWF</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	_____		
TMDL Status	_____	Name	_____
Nearest Downstream Public Water Supply Intake	<u>None before PA-MD border</u>		
PWS Waters	_____	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

Changes Since Last Permit Issuance: None, transferred on January 29, 2021 to the current permittee.

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 Warm-Water Fishes (WWF). 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 discharge pH range between 6.46-9.46, average CBOD5 3.32 mg/l, average fecal coliform <10 no/100 ml, average TSS <5.0 mg/l, and average TRC 0.885 mg/l
Summary of Inspections:	10/28/2019: CEI conducted. No violation noted. 09/19/2017: CEI conducted. No violation noted.

Other Comments:

Treatment Facility summary:

The application was submitted to renew a SFTF named United States Post Office STP located in 7337 National Pike, Addison, PA 15411. This SFTS's sole user is the U.S. Post Office, which has one non-public lavatory and one/two employees at the office each workday. The average annual design flow is 400 GPD, hydraulic design capacity is 1200 GPD, and organic loading capacity is 0.7 lbs. BOD5/day.

The treatment system is a small flow package plant manufactured by the Jet Aeration Company. The system consists of a primary settling chamber, an aeration compartment, a settling/final clarification compartment, an up-flow backwash sand filter, and chlorination. The system has been approved by the NSF. The permittee may seek to convert this permit to general permit PAG04 in the next renewal, if their treatment plant conforms with SFTF manual.

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 month and sample type is measured for SFTFs. However, the existing permit has annual flow reporting frequency with sample type as estimate. Since the actual flow is very low, this requirement will be carried over in this renewal.

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. The SOP recommends monthly sampling, however, due to very minimal discharge, existing annual sampling will be carried over.

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. The SOP recommends monthly sampling, however, due to very minimal discharge, existing annual sampling will be carried over.

Fecal Coliform:

Existing year-round annual average and IMAX limit of 200 No./100 ml will be carried over. The SOP recommends monthly sampling, however, due to very minimal discharge, existing annual sampling 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 average monthly monitoring only requirement and 3.3 mg/l as IMAX. The SOP recommends average monthly limit be 0.02 mg/l. With the minimal discharge flow condition in mind, the existing limits will be carried over.

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)	0.0004 Annl Avg	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	3.3	1/month	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

Compliance Sampling Location: At Outfall 001

Other Comments: None