

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0255068
APS ID 1025655
Authorization ID 1331166

Applicant, Facility and Project Information

Applicant Name	<u>Duane Stewart</u>	Facility Name	<u>Duane Stewart SRSTP</u>
Applicant Address	<u>260 Wilson Road</u> <u>Dawson, PA 15428-1067</u>	Facility Address	<u>260 Wilson Road</u> <u>Dawson, PA 15428-1067</u>
Applicant Contact	<u>Duane Stewart</u>	Facility Contact	<u>Duane Stewart</u>
Applicant Phone	<u>(724) 323-4970</u>	Facility Phone	<u>(724) 323-4970</u>
Client ID	<u>326271</u>	Site ID	<u>814109</u>
SIC Code	<u>8811</u>	Municipality	<u>Lower Tyrone Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Fayette</u>
Date Application Received	<u>October 21, 2020</u>	WQM Required	<u></u>
Date Application Accepted	<u>July 12, 2021</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. Duane L Stewart III (permittee) on October 21, 2020. The treated effluent is discharged through Outfall 001 into an UNT to Youghiogheny River in State Watershed 19-D. The SRSTP is located in Lower Tyrone Township, Fayette County. The existing permit was issued as a new permit on May 4, 2016 with effective date of June 1, 2016 and expiration date of May 31, 2021. The renewal application was received at least 180 days prior to the expiration date; therefore, the terms and conditions of existing permit are automatically extended. 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: All existing limits are carried over in this renewal.

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 	July 13, 2021
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 5' 29.32"</u>	Longitude	<u>-79° 42' 8.14"</u>
Quad Name	<u>Dawson</u>	Quad Code	<u>1808</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Youghiogheny River (WWF)</u>	Stream Code	<u>38031</u>
NHD Com ID	<u>69916393</u>	RMI	<u>0.7000</u>
Watershed No.	<u>19-D</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>N/A</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u>none</u>	Name	<u>N/A</u>

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 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 AMRs:	The application data indicated pH value of 7.3 S.U., BOD5 73.5 mg/l as average monthly, fecal coliform 31 No./100 ml, and TSS 17 mg/l as average monthly. The sample was collected by H&H Water Controls, Inc. on August 31, 2020
Summary of Inspections:	A CEI was conducted on September 23, 2020. No violation noted during the inspection. The WQS noted that the system appeared to be in good operational condition. Recommendations made including having a service provider to come out once a year to inspect system and to take annual sample to fulfil permit requirements.

Other Comments: Effluent violation noted for BOD5 and TSS.

Treatment Facility summary:

The application was submitted to renew an SRSTP named Duane Stewart SRSTP located in 260 Wilson Road, Dawson, PA 15428. This SRSTP receives and treats an average of 400 GPD of sewage and discharges the disinfected effluent into an UNT to Youghiogheny River (WWF) in state watershed 19-D through Outfall 001.

The flow from the dwelling flows to the Norweco Singular Model 960 aerobic unit, then to a Norweco Bio-Film Reactor, then to a Salcor 3G UV unit. From there it discharges through Outfall 001 on permittee's property into perennial stream.

The septic tank was pumped on March 4, 2020 by A-Affordable Sanitation and the UV bulb was replaced on August 22, 2020.

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 BOD₅ 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.

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).

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

Other Comments: None