

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0255033
APS ID 1071030
Authorization ID 1409873

Applicant, Facility and Project Information

Applicant Name	<u>Josephine T Duman Estate</u>	Facility Name	<u>Duman Estate SRSTP</u>
Applicant Address	<u>2028 Duman Road</u> <u>Ebensburg, PA 15931-6803</u>	Facility Address	<u>2028 Duman Road</u> <u>Ebensburg, PA 15931-6803</u>
Applicant Contact	<u>Raymond J. Wendekier</u>	Facility Contact	<u>Raymond J. Wendekier</u>
Applicant Phone	<u>814-674-5991</u>	Facility Phone	<u>814-674-5991</u>
Client ID	<u>372329</u>	Site ID	<u>811305</u>
SIC Code	<u>8811</u>	Municipality	<u>Barr Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Cambria</u>
Date Application Received	<u>September 1, 2022</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u>1116402 T-1</u>
Project Description	<u>NPDES permit renewal and transfer.</u>		

Summary of Review


The PA Department of Environmental Protection (PADEP/Department) received an NPDES permit renewal and transfer application from Musser Engineering on behalf of Josephine T Duman (permittee) on September 1, 2022 for permittee's SRSTP located in 2028 Duman Road, Ebensburg, PA 15931. Due to the passing of the permittee, the SRSTP is now under Josephine T. Duman Estate (new permittee) and Raymond J. Wendekier Law Offices is the executor of the estate. The original NPDES permit was issued on March 23, 2016 which expired on March 31, 2021. Therefore, this renewal is considered as new application. The planning approved flow is 400 GPD. The treated effluent is discharged into Crooked Run in state watershed 18D.

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

Changes in this renewal: None

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 6, 2022
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	10/7/2022

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40° 34' 36.51"	Longitude	-78° 49' 53.05"
Quad Name	Colver	Quad Code	1415
Wastewater Description:		Sewage Effluent	
Receiving Waters	Crooked Run (CWF)	Stream Code	44533
NHD Com ID	123717252	RMI	2.34
Watershed No.	18-D	Chapter 93 Class.	CWF
Existing Use	CWF	Existing Use Qualifier	Ch. 93
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Impaired		
Cause(s) of Impairment	SILTATION		
Source(s) of Impairment	AGRICULTURE		
TMDL Status	Final, Tentative	Name	Elk Creek (Cambria County), Kiskiminetas-Conemaugh River Watersheds TMDL

Changes Since Last Permit Issuance: Change of owner

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 Cold-Water Fishes (CWF). 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:

The receiving stream segment is impaired due to siltation from agricultural sources. No WLA is assigned to this facility.

Treatment Facility summary:

The sewage flow comes out of the house and flows into a 1,250-gallon septic tank with a Polylok PL-625 effluent filter. The effluent then flows to a ECOFLO ECC-600G-USA-KEY for treatment. The effluent then flows to a Jet Model 100 Chlorinator for disinfection. The disinfected effluent then flows into a 500-gallon Chlorine Maze/contact Tank which then discharges into Crooked Run.

The treatment technology wasn't listed in the SFTF Manual, therefore, the facility didn't qualify for coverage under general PAG04 permit.

Development of effluent limitations:

Flow monitoring:

Flow monitoring will remain 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 remain in this renewal. These limits are consistent with the SOP.

Total Suspended Solids (TSS)

The existing average annual BOD₅ limit of 10 mg/l and IMAX limit of 20 mg/l will remain in this renewal. These limits are consistent with the SOP.

Fecal Coliform:

A year-round annual average and IMAX limit of 200 No./100 ml will remain in this permit.

TRC:

PADEP's SOP recommends monitoring requirement of TRC for SRSTPs. Current permit has quarterly monitoring requirement which will be carried over.

Total Phosphorus:

Due to the close proximity of Duman Lake, the regional biologist supervisor recommended annual Total Phosphorus monitoring, which will also be carried over in this renewal.

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)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
TRC	XXX	XXX	XXX	Report Avg Qrtly	XXX	Report	1/quarter	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
Total Phosphorus	XXX	XXX	XXX	Report Daily Max	XXX	Report	1/year	Grab

Compliance Sampling Location: At Outfall 001

Other Comments: None