

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0233382
APS ID 1087736
Authorization ID 1438376

Applicant, Facility and Project Information

Applicant Name	<u>Kay Spencer</u>	Facility Name	<u>Kay Spencer SRSTP</u>
Applicant Address	<u>1152 Patton Hill Road</u> <u>Towanda, PA 18848-8655</u>	Facility Address	<u>1152 Patton Hill Road</u> <u>Towanda, PA 18848-8655</u>
Applicant Contact	<u>Kay Spencer</u>	Facility Contact	<u>Kay Spencer</u>
Applicant Phone	<u>(607) 237-1187</u>	Facility Phone	<u>(607) 237-1187</u>
Client ID	<u>377036</u>	Site ID	<u>864447</u>
SIC Code	<u>4952</u>	Municipality	<u>Towanda Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Bradford</u>
Date Application Received	<u>May 1, 2023</u>	WQM Required	<u>Yes, application received</u>
Date Application Accepted	<u>May 3, 2023</u>	WQM App. No.	<u>0823401</u>
Project Description	<u>Kay Spencer SRSTP to replace malfunctioning on lot system.</u>		

Summary of Review

The above applicant has submitted NPDES and WQM applications for the construction and operation of a new Single Residence Sewage Treatment Plant (SRSTP) for a single residence owned by the applicant in Towanda Township, Bradford County. The proposed SRSTP will replace an existing malfunctioning on lot system.

The design and construction of the facilities will be approved under Water Quality Management Permit No. 823401, which will be simultaneously issued with the final NPDES permit authorizing the proposed discharge. The system will be a 500 gallon per day Premier Tech Aqua EcoFlo Coco filter system with UV disinfection. The discharge will be to a dry ditch that leads to Towanda Creek.

Unless otherwise noted, all applicable DEP Standard Operation Procedures (SOP) were followed during the review of the applications.

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
X		<i>Chad A. Fabian</i> Chad A. Fabian / Project Manager	June 28, 2023
X		<i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	June 29, 2023

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>41° 44' 18.75"</u>	Longitude	<u>-76° 28' 58.77"</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Towanda Creek (CWF, MF)</u>	Stream Code	<u>73730</u>
NHD Com ID	<u>66401965</u>	RMI	<u>0.3900</u>
Watershed No.	<u>4-C</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u>CWF, MF</u>	Existing Use Qualifier	<u>n/a</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>MERCURY</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status	<u></u>	Name	<u></u>

Changes Since Last Permit Issuance: New permit

Other Comments: None

Compliance History	
Summary of DMRs:	None exist since it is a proposed facility.
Summary of Inspections:	None. The system has not been built yet.

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	20.0	XXX	40	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/year	Grab

Compliance Sampling Location: 001

Other Comments:

All of the above proposed effluent limitations and monitoring requirements are consistent with the Department’s SOP for SRSTPs. In accordance with the SOP, modeling was not performed on the SRSTP.

The permittee will be required to submit the AMR. Monthly eDMR reporting will not be required since all analytical results can be submitted on effluent table within the AMR .

It is recommended the permit be drafted as above.