

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0112755
APS ID 1013075
Authorization ID 1308494

Applicant, Facility and Project Information

Applicant Name	<u>Matthew Robson</u>	Facility Name	<u>Robson SRSTP</u>
Applicant Address	<u>12 Burnett Road</u> <u>Mendham, NJ 07945-3113</u>	Facility Address	<u>3273 Route 6</u> <u>Gaines, PA 16921-9740</u>
Applicant Contact	<u>Matthew Robson</u>	Facility Contact	<u>Matthew Robson</u>
Applicant Phone	<u>(973) 366-5214</u>	Facility Phone	<u>(973) 366-5214</u>
Client ID	<u>273291</u>	Site ID	<u>1264</u>
SIC Code	<u>8811</u>	Municipality	<u>Gaines Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Tioga</u>
Date Application Received	<u>March 11, 2020</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>June 3, 2020</u>	WQM App. No.	<u>n/a</u>
Project Description	<u>Renewal of an existing NPDES permit for the discharge of treated sewage.</u>		

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>Derek S. Garner</i> Derek S. Garner / Project Manager	November 19, 2020
X		<i>Nicholas W. Hartranft</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	November 20, 2020

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (GPD)	<u>400</u>
Latitude	<u>41° 45' 13.69"</u>	Longitude	<u>-77° 30' 32.95"</u>
Quad Name	<u>Sabinsville</u>	Quad Code	<u>0425</u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Pine Creek</u>	Stream Code	<u>21166</u>
NHD Com ID	<u>66535943</u>	RMI	<u>63.77</u>
Drainage Area	<u>263.26</u>	Yield (cfs/mi ²)	<u>0.0401</u>
Q ₇₋₁₀ Flow (cfs)	<u>10.55</u>	Q ₇₋₁₀ Basis	<u>Streamgage No. 01548500</u>
Elevation (ft)	<u>1321</u>	Slope (ft/ft)	<u>n/a</u>
Watershed No.	<u>9-A</u>	Chapter 93 Class.	<u>EV</u>
Existing Use	<u>n/a</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>n/a</u>	Exceptions to Criteria	<u>n/a</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>n/a</u>		
Source(s) of Impairment	<u>n/a</u>		
TMDL Status	<u>n/a</u>	Name	<u>n/a</u>

Nearest Downstream Public Water Supply Intake	<u>PA American Water Company</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Flow at Intake (cfs)	<u>679.73</u>
PWS RMI	<u>10.66</u>	Distance from Outfall (mi)	<u>117</u>

Treatment Facility Summary

The Robson Single Residence Sewage Treatment Plant (SRSTP) consists of a 750-gallon septic tank, a 1,000-gallon septic tank, a distribution box, a 600-sq. ft. subsurface sand filter, and a 200-gallon chlorine contact tank with an erosion type chlorinator.

Compliance History

The facility was last inspected by DEP on June 26, 2018. The inspection report notes that annual maintenance reports were not being submitted. The permittee was contacted via phone and the issue has since been resolved.

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (GPD) <u>400</u>
Latitude <u>41° 45' 13.69"</u>	Longitude <u>-77° 30' 32.95"</u>
Wastewater Description: <u>Sewage</u>	

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Basis
BOD ₅	10	Annual Avg	existing limit, tertiary treatment
	20	IMAX	existing limit, tertiary treatment
Total Suspended Solids	20	Annual Avg	existing limit, tertiary treatment
	40	IMAX	existing limit, tertiary treatment
pH	6.0 – 9.0 S.U.	IMIN – IMAX	133.102(c), 95.2(1), existing limit
Fecal Coliform	200 / 100 ml	Annual Avg	92a.47(a)(4), existing limit

The above technology-based effluent limitations are all existing requirements. The facility has demonstrated compliance with past permit requirements and has not negatively impacted the receiving surface water. Accordingly, it is recommended that the existing limits remain in place.

Flow, BOD₅, and TSS monitoring requirements have been changed from average monthly and average weekly to annual average and instantaneous maximum, respectively, to match the once per year reporting requirement. Along the same logic, the requirement to report a geometric mean for fecal coliform has been changed to an annual average.

Existing Effluent Limitations and Monitoring Requirements

The existing effluent limitations and monitoring requirements are as follows:

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
Total Residual Chlorine	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	20	XXX	40	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

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)		Concentrations (mg/L)				Minimum 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
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	20.0	XXX	40.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001