

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0287865  
APS ID 1004994  
Authorization ID 1294192

**Applicant, Facility and Project Information**

Applicant Name	<u>J David Byler</u>	Facility Name	<u>J David Byler SRSTP</u>
Applicant Address	<u>1668 Route 410</u> <u>Punxsutawney, PA 15767-8726</u>	Facility Address	<u>1668 Route 410</u> <u>Punxsutawney, PA 15767</u>
Applicant Contact	<u>J David Byler</u>	Facility Contact	<u>J David Byler</u>
Applicant Phone	<u>(814) 427-4104</u>	Facility Phone	<u>(814) 427-4104</u>
Client ID	<u>353359</u>	Site ID	<u>838233</u>
SIC Code	<u>8800</u>	Municipality	<u>Henderson Township</u>
SIC Description	<u>Private Households</u>	County	<u>Jefferson</u>
Date Application Received	<u>October 7, 2019</u>	WQM Required	<u>yes</u>
Date Application Accepted	<u>10/31/2019</u>	WQM App. No.	<u>3319401</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

**Summary of Review**

The project involves the installation of a new single residence sewage treatment plant to replace an existing malfunctioning onlot system for a 4-bedroom home.

Act 14 – Proof of notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIRMENTS

- |   |                                 |
|---|---------------------------------|
| A. AMRs                                 | F. Stormwater into Sewers       |
| B. DMRs                                 | G. Right of Way                 |
| C. Depth of Septage and Scum Management | H. Solids Handling              |
| D. Septic Tank Pumping                  | I. Public Sewerage Availability |
| E. Chlorine Optimization                |                                 |

SPECIAL CONDITIONS: None

Proposed treatment will consist of (WQM Permit No. 3319401): A new 1,500 gallon dual compartment septic tank with a Zabel A300 effluent filter, a Premier Tech EC7-500-C Coco filter, a Norweco LF 1000 chlorinator, a 300 gallon contact tank, a Norweco LF 1000 de-chlorinator, where the treated effluent will discharge into a drainage swale then unnamed tributary to East Branch Mahoning Creek (HQ).

There are no open violations in WMS for the subject client ID (353359) as of 11/06/2019.

Approve	Deny	Signatures	Date
		Jonathan F. Bucha / Civil Engineer Trainee	
		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>40° 59' 43.27"</u>	Longitude	<u>-78° 49' 10.58"</u>
Quad Name	<u>McGees Mills</u>	Quad Code	<u>1115</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of East Branch Mahoning Creek (HQ-CWF)</u>	Stream Code	<u>47993</u>
NHD Com ID	<u>123861891</u>	RMI	<u>0.8</u>
Drainage Area	<u>0.0913</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.033</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.003</u>	Q <sub>7-10</sub> Basis	<u>Streamstats</u>
Elevation (ft)	<u>1480</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>17D</u>	Chapter 93 Class.	<u>High Quality-Cold Water Fishes</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>Final</u>	Name	<u>Stump Creek Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Punxsutawney</u>		
PWS Waters	<u>East Branch Mahoning Creek</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>1.15</u>	Distance from Outfall (mi)	<u>3.33</u>

Changes Since Last Permit Issuance: N/A

Other Comments: This SRSTP design is capable of meeting effluent limits and has been approved through planning to use chlorine disinfection with de-chlorination to the HQ receiving stream of the East Branch Mahoning Creek.

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.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "upon request" due to CWF stream designation.