

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0291587  
APS ID 1061288  
Authorization ID 1392461

**Applicant, Facility and Project Information**

Applicant Name	<u>Thomas Lightner</u>	Facility Name	<u>Thomas Lightner Res</u>
Applicant Address	<u>317 N Mountain Road</u> <u>Newville, PA 17241-9731</u>	Facility Address	<u>317 N Mountain Road</u> <u>Newville, PA 17241-9731</u>
Applicant Contact	<u>Thomas Lightner</u>	Facility Contact	<u>Thomas Lightner</u>
Applicant Phone	<u>(717) 496-1376</u>	Facility Phone	<u>(717) 496-1376</u>
Client ID	<u>369425</u>	Site ID	<u>856637</u>
SIC Code	<u>6514</u>	Municipality	<u>Upper Frankford Township</u>
SIC Description	<u>Fin, Ins &amp; Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Cumberland</u>
Date Application Received	<u>April 15, 2022</u>	WQM Required	<u>Pending</u>
Date Application Accepted	<u>May 6, 2022</u>	WQM App. No.	<u>2122401</u>
Project Description	<u>Application submitted for a proposed discharge of treated sewage effluent.</u>		

**Summary of Review**

Thomas Lightner has submitted an application for a permit for his proposed Single Residence Sewage Treatment Facility. As per 25 Pa. Code § 92a.53, all applicable effluent limits and standards are considered in development of the permit. The limits noted in the permit suggest that any applicable water quality standards will not be violated.

The limits discussed in the permit are based off of several factors that were determined by the Standard Operating Procedure for Small Flow Treatment Facilities (SOP No. BCW-PMT-003).

The TSS limits were prescribed based on The Department's Water Quality Antidegradation Implementation Guidance ID No. 391-0300-002

The Fecal Coliform limits listed in the previous permits were required by Bureau of Clean Water, as stated in Chapter 92.2c.b(2) and 93.7.

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>Jared Lescavage</i> Jared Lescavage / Project Manager	May 9, 2022
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	5/9/2022

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>40° 15' 7.27"</u>	Longitude	<u>-77° 22' 32.97"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Bloser Creek (WWF, MF)</u>	Stream Code	<u>10348</u>
NHD Com ID	<u>56406149</u>	RMI	<u>0.8000</u>
Drainage Area	<u>0.31 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.00321</u>	Q <sub>7-10</sub> Basis	<u>StreamStats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Pathogens</u>		
Source(s) of Impairment	<u>Unknown</u>		
TMDL Status	<u></u>	Name	<u></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>Carlisle Water Treatment Plant</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>19</u>

Changes Since Last Permit Issuance: N/A

Other Comments: None

**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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	5.0 Inst Min	XXX	XXX	9.0	1/year	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

Other Comments: None