

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0290157
APS ID 1052385
Authorization ID 1377457

Applicant, Facility and Project Information

Applicant Name	<u>Joseph Solecki</u>	Facility Name	<u>Joseph Solecki SRSTP</u>
Applicant Address	<u>7118 Front River Road</u> <u>Pittsburgh, PA 15225-1030</u>	Facility Address	<u>Route 62</u> <u>Tionesta, PA 16353</u>
Applicant Contact	<u>Joseph Solecki</u>	Facility Contact	<u>Joseph Solecki</u>
Applicant Phone	<u>(412) 916-9814</u>	Facility Phone	<u>(412) 916-9814</u>
Client ID	<u>366955</u>	Site ID	<u>851447</u>
SIC Code	<u>8800</u>	Municipality	<u>Tionesta Township</u>
SIC Description	<u>Private Households</u>	County	<u>Forest</u>
Date Application Received	<u>November 29, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>January 11, 2022</u>	WQM App. No.	<u>2721405</u>
Project Description	<u>New Single Residence Sewage Treatment Plant.</u>		

Summary of Review

The project involves the installation of a new 800 gpd single residence sewage treatment system for a proposed 2-bedroom home. This treatment facility has been oversized for the possibility of future expansion of up to an eight-bedroom house. In the event that a connection is proposed for a future second structure, the facility will need reclassified as a Small Flow Treatment System (SFTF), and permit amendments will be required for the NPDES and WQM permits.

Planning approval (Module Code No. M6-21-159) was issued on October 29, 2021.

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. 2721405) a new 2000-gallon dual compartment concrete septic tank, an EC7-1050-P-P Coco Filter, and a Salcor 3G ultraviolet disinfection unit, where the treated effluent will discharge on the owners property to the Allegheny River (WWF).

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

There are no open violations in WMS for the subject client ID (366955) as of 3/28/2022.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer General	March 28, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	March 31, 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>.0008</u>
Latitude	<u>41° 28' 20.35"</u>	Longitude	<u>-79° 28' 41.33"</u>
Quad Name	<u>Tionesta</u>	Quad Code	<u>0710</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Allegheny River (WWF)</u>	Stream Code	<u>42122</u>
NHD Com ID	<u>100475283</u>	RMI	<u>150</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>1037 (Google Earth)</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-E</u>	Chapter 93 Class.	<u>WWF</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>MERCURY</u>		
Source(s) of Impairment	<u>SOURCE 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>Aqua PA, Inc - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1376</u>
PWS RMI	<u>90</u>	Distance from Outfall (mi)	<u>60</u>

Changes Since Last Permit Issuance: N/A

Other Comments: This treatment facility is capable of meeting effluent requirements.

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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ 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	Upon Request	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

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 WWF stream designation.

Attachment A – eMAP Stream Designation

