

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264857
APS ID 1038543
Authorization ID 1354225

Applicant, Facility and Project Information

Applicant Name	<u>William J. Isenberg</u>	Facility Name	<u>William J Isenberg SRSTP</u>
Applicant Address	<u>105 Arberg Lane</u> <u>Slippery Rock, PA 16057-1801</u>	Facility Address	<u>105 Arberg Lane</u> <u>Slippery Rock, PA 16057-1801</u>
Applicant Contact	<u>William Isenberg</u>	Facility Contact	<u>William Isenberg</u>
Applicant Phone	<u>(724) 967-2276</u>	Facility Phone	<u>(724) 967-2276</u>
Client ID	<u>331791</u>	Site ID	<u>818749</u>
SIC Code	<u>8800</u>	Municipality	<u>Mercer Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>May 4, 2021</u>	WQM Required	<u>-</u>
Date Application Accepted	<u>May 14, 2021</u>	WQM App. No.	<u>-</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

Summary of Review

The application involves the renewal of an Individual NPDES permit for a 400 gpd single residence sewage treatment system.

Mr. Isenberg has requested to receive hardcopy only of this NPDES permit renewal.

Planning approval is dated May 5, 2016.

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

Treatment consists of (WQM Permit No. 1016410) a Norweco Singulair Model 960 aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber with built-in tablet chlorinator, all in series discharging to a 500-gallon lift tank with a Goulds WE03M pump discharging to the point of discharge.

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 (331791) as of 06/22/2022.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Project Manager	June 22, 2022
X		Adam J. Pesek for Justin C. Dickey, P.E. / Environmental Engineer Manager	June 23, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 6' 36.42"</u>	Longitude	<u>-80° 1' 53.80"</u>
Quad Name	<u>Grove City</u>	Quad Code	<u>0905</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Wolf Creek</u>	Stream Code	<u>34258</u>
NHD Com ID	<u>126222059</u>	RMI	<u>3.16</u>
Drainage Area	_____	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	_____	Q ₇₋₁₀ Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	_____		
TMDL Status	_____	Name	_____
Background/Ambient Data	_____	Data Source	_____
pH (SU)	_____		_____
Temperature (°F)	_____		_____
Hardness (mg/L)	_____		_____
Other:	_____		_____
Nearest Downstream Public Water Supply Intake _____			
PWS Waters	_____	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

Changes Since Last Permit Issuance: None

Other Comments: The Norweco 960 is reportedly capable of meeting CBOD5 averages of 6 mg/L and TSS averages of 10 mg/L.

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.

Compliance History	
Summary of DMRs:	AMRs are submitted routinely each year. Effluent samples are within NPDES limitations.
Summary of Inspections:	Inspections are done through Delaware Concrete Products service provider Joseph L. Micsky. The treatment system is well maintained and no issues are noted.

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
TRC	XXX	XXX	XXX	Report Daily Max	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 BPJ / technology-based on the Department’s “Small Flow Treatment Facilities Manual.” 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.

Attachment A – eMAP Stream Designation

Latitude: 41.116117 Longitude: -80.031611

	Degrees	Minutes	Seconds
Latitude:	41	6	36.42
Longitude:	-80	1	53.8

Locate Close

Designated Use Streams (1 of 3)

Designated Use Gen ID: 28655
GNIS Name:
GNIS ID:
ReachCode: 05030105000405
COMID: 126222057
Length Miles: 0.344
Map Symbology: CWF
Length Miles: 0.344
Designated Use: 1
DES Use ID: 1
Use Description: CWF(COLD WATER FISHES)
Migratory_Fish: N
HUC: 05030105
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null
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