

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0291528
APS ID 1056643
Authorization ID 1384900

Applicant, Facility and Project Information

Applicant Name	<u>Kirk A Re</u>	Facility Name	<u>Re Res</u>
Applicant Address	<u>1640 Old Carlisle Road</u> <u>Aspers, PA 17304-9761</u>	Facility Address	<u>2570 Carlisle Road</u> <u>Gardners, PA 17324-9506</u>
Applicant Contact	<u>Kirk Re</u>	Facility Contact	<u>Kirk Re</u>
Applicant Phone	<u>(717) 226-0254</u>	Facility Phone	<u>(717) 226-0254</u>
Client ID	<u>368143</u>	Site ID	<u>855168</u>
SIC Code	<u>6514</u>	Municipality	<u>Menallen Township</u>
SIC Description	<u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Adams</u>
Date Application Received	<u>February 10, 2022</u>	WQM Required	<u>Pending</u>
Date Application Accepted	<u>March 17, 2022</u>	WQM App. No.	<u>3622403</u>
Project Description	<u>Application for a new treated discharge from a proposed SRSTP.</u>		

Summary of Review

This fact sheet supports the issuance for the NPDES permit for discharge of treated sewage from the single residence sewage treatment plant (SRSTP) located in Menallen Township, Adams County. DEP received new NPDES and WQM permit applications on February 10, 2022. Individual NPDES and WQM permits are required since the proposed system is not included in the Department's Manual (*Small Flow Treatment Facility Manual 362-0300-002*).

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 on 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 permit were required by the 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*

Approve	Deny	Signatures	Date
x		Jared Lescavage / Project Manager	April 13, 2022
x		Scott M Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	4/14/2022

Summary of Review

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.

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>39° 59' 34.63"</u>	Longitude	<u>-77° 13' 17.64"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Opossum Creek (TSF, MF)</u>	Stream Code	<u>09103</u>
NHD Com ID	<u>57469619</u>	RMI	<u>0.0100</u>
Drainage Area	<u>1.7 mi²</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>0.321</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>7-F</u>	Chapter 93 Class.	<u>TSF, 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>SILTATION</u>		
Source(s) of Impairment	<u>AGRICULTURE</u>		
TMDL Status	<u>Tentative</u>	Name	<u>Opossum Creek</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>PP&L Bruner Island</u>		
PWS Waters	<u>Susquehanna River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>70</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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Daily Maximum	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	XXX	5.0 Annl Avg	9.0 Annl Avg	XXX	1/year	Grab
BOD5	XXX	XXX	XXX	10.0 Annl Avg	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 Annl Avg	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: N/A