

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0210013
APS ID 973380
Authorization ID 1237670

Applicant, Facility and Project Information

Applicant Name	<u>Cathleen & Edward Fisher</u>	Facility Name	<u>Cathleen M & Edward W Fisher SFTF</u>
Applicant Address	<u>72 Birchwood Drive</u> <u>Transfer, PA 16154-2406</u>	Facility Address	<u>72 Birchwood Drive</u> <u>Transfer, PA 16154-2406</u>
Applicant Contact	<u>Cathleen Fisher</u>	Facility Contact	<u>Cathleen Fisher</u>
Applicant Phone		Facility Phone	<u>(724) 866-4142</u>
Client ID	<u>293612</u>	Site ID	<u>251818</u>
SIC Code	<u>8800</u>	Municipality	<u>Pymatuning Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer</u>
Date Application Received	<u>July 5, 2018</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>August 8, 2018</u>	WQM App. No.	<u>---</u>
Project Description	<u>Renewal of an NPDES Permit for an existing discharge from a Single Residence Sewage Treatment Plant (SRSTP).</u>		

Summary of Review

Existing treatment consists of a 900-gallon aerated septic tank, an upflow sand filter, and tablet chlorinator with a 135-gallon contact tank. Design flow is 0.00035 MGD. WQM Permit No. 4391407.

This permit does not qualify for a PAG-04 General Permit because the SRSTP design does not conform to the Department's "Small Flow Treatment Facilities Manual."

No AMRs or proof of septage removal has been submitted to the Department from the current permittee.

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		Adam J. Pesek, E.I.T. / Environmental Engineering Specialist	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.00035</u>
Latitude	<u>41° 18' 11.5"</u>	Longitude	<u>80° 25' 12"</u>
Quad Name	<u>Sharpville</u>	Quad Code	<u>3023</u>
Wastewater Description: <u>Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Shenango River (WWF)</u>	Stream Code	<u>---</u>
NHD Com ID	<u>130034310</u>	RMI	<u>---</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dy Stream</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>20A</u>	Chapter 93 Class.	<u>Warm 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></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°C)	<u>20</u>	Default (WWF)	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Aqua PA, Inc. - Shenango Valley</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u>29.4</u>	Distance from Outfall (mi)	<u></u>

Changes Since Last Permit Issuance:

Other Comments:

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
TRC	XXX	XXX	XXX	Report Avg Mo	Report IMAX	XXX	1/month	Grab
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	Upon Request	Grab
BOD5	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60	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: The existing limits were retained in the renewed permit because the SRSTP design does not adhere to the Department's "Small Flow Treatment Facilities Manual" and it not known if the existing treatment can consistently meet the limits found in that same manual. TRC monitoring was changed to 1/month in accordance with the Department's SOP entitled "New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications." pH limits were added with a monitoring frequency of "upon request" in accordance with the above-mentioned SOP due to it being part of the PAG-04 General Permit.