

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264822
APS ID 1047177
Authorization ID 1368558

Applicant, Facility and Project Information

Applicant Name	<u>Melissa & Ryan Nuhfer</u>	Facility Name	<u>Melissa & Ryan Nuhfer SRSTP</u>
Applicant Address	<u>1124 E 5th Avenue</u> <u>Warren, PA 16365-8404</u>	Facility Address	<u>1124 E 5th Avenue</u> <u>Warren, PA 16365</u>
Applicant Contact	<u>Ryan Nuhfer</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 730-2595</u>	Facility Phone	<u></u>
Applicant E Mail	<u>ryan@alleghenysecurity.com</u>	Facility E Mail	<u></u>
Client ID	<u>365352</u>	Site ID	<u>814246</u>
Municipality	<u>Glade Township</u>	County	<u>Warren</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Date Application Received	<u>August 24, 2021</u>	WQM Required	<u>Transfer pending</u>
Date Application Accepted	<u>September 14, 2022</u>	WQM App. No.	<u>6216409 T-1</u>
Project Description	<u>NPDES permit renewal with WQM permit transfer</u>		

Summary of Review

No violations reported.

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>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	June 13, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. Environmental Engineer Manager	June 17, 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>0.0004</u>
Latitude DP	<u>41° 51' 44.87"</u>	Longitude DP	<u>-79° 7' 35.45"</u>
Latitude NHD	<u>41° 51' 44.64"</u>	Longitude NHD	<u>-79° 7' 34.95"</u>
Quad Name	<u>Warren</u>	Quad Code	<u>0412</u>
Wastewater Description: <u>Treated sewage from a single-family residence</u>			
Receiving Waters	<u>Indian Hollow</u>	Stream Code	<u>56312</u>
NHD Com ID	<u>129447665</u>	RMI	<u>1.3400</u>
Drainage Area	<u>0.16 sq mile 99.9 acres</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>intermittent</u>
Elevation (ft)	<u>1573.33</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>16-B</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>statewide</u>	Existing Use Qualifier	<u>none</u>
Exceptions to Use	<u>none</u>	Exceptions to Criteria	<u>none</u>
Comments <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></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 Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>NA</u>
PWS RMI	<u>90.57</u>	Distance from Outfall (mi)	<u>102.29</u>

Changes Since Last Permit Issuance: none

Other Comments: none

Treatment Facility Summary				
Treatment Facility Name: Frederick Nuhfer SRSTP				
WQM Permit No.		Issuance Date		
6216409		April 7, 2017		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Aerobic Tank	Tablet Chlorination	0.0004
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0004	1.1	N/A	Sludge Holding	Other WWTP

Changes since the last permit issuance: N/A (proposed facility)

Proposed treatment: Norweco Singulair Model 960 Aerobic Unit with a tablet chlorinator.

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.0004
Latitude 41° 51' 44.87" **Longitude** -79° 07' 35.45"
Wastewater Description: Treated sewage from a single-family residence

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
BOD ₅	10	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
TSS	10	Average Monthly	133.102(b)(1)	92a.47(a)(1)
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Total Residual Chlorine	---	Average Monthly	-	92a.48(b)(2)

Small Flow Treatment Facility Individual NPDES Permit requirements

Threatened and Endangered Mussel Species Concerns and Considerations

Conewango Creek in the area of Warren, PA is known to contain threatened and endangered mussel species (particularly the Federally listed endangered northern riffleshell has been documented in Conewango Creek). The proposed discharge is approximately 7,000 feet (1.33 miles) upstream of Conewango Creek on an Unnamed Tributary (Indian Hollow Run). The proposed discharge would not be expected to have any influence on threatened or endangered mussel species in Conewango Creek considering the distance upstream on the unnamed tributary, size of the proposed discharge, and assimilative capacity of the tributary stream prior to reaching Conewango Creek.

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	XXX	XXX	1/month	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: See AMR for UV radiation disinfection requirements