

Application Type Renewal
 Facility Type Non-Municipal
 Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0093335
 APS ID 1076584
 Authorization ID 1419158

Applicant and Facility Information

Applicant Name	<u>Ilona M & Louis V Yenich</u>	Facility Name	<u>770 W Newton Rd STP</u>
Applicant Address	<u>105 Hutchinson Road Apt 1</u> <u>West Newton, PA 15089-3063</u>	Facility Address	<u>770 W Newton Road</u> <u>West Newton, PA 15089</u>
Applicant Contact	<u>Ilona M Yenich</u>	Facility Contact	<u>Same as applicant</u>
Applicant Phone	<u>724-872-8289</u>	Facility Phone	<u>Same as applicant</u>
Client ID	<u>43976</u>	Site ID	<u>251026</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Sewickley Township</u>
Connection Status		County	<u>Westmoreland</u>
Date Application Received	<u>December 1, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 5, 2022</u>	If No, Reason	
Purpose of Application	<u>Renewal of NPDES permit for the discharge of treated sewage.</u>		

Summary of Review

The applicant has applied for the renewal of NPDES Permit PA0093335 and has requested that the facility be re-classified as a Single Residence Sewage Treatment Plant (SRSTP). The previous permit was issued for a Small Flow Treatment Facility (SFTF) on May 29, 2018 and will expire on May 31, 2023.


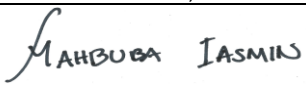
Sewage from this plant is treated with: septic tanks, sand filters, and chlorination.

The property has been vacant since November 2013. It previously operated first as a restaurant and then as a seasonal catering business. There is no flow through the system and it is not currently discharging. According to the Sewickley Township Zoning Map (Attachment B), the property in question is zoned for V-1: Rural Village – High Density. According to the Sewickley Township Zoning Ordinance, the purpose of the V-1 zone is “to provide a mixture of single-family dwellings and multi-family dwellings, generally on smaller lots, and smaller home-based and neighborhood businesses to serve the needs of the residents.” As such, both residential and commercial uses are permitted under the Zoning Ordinance.

The current owner has stated that they are trying to sell the property. They have been advised of the reduction in flow in the permit and have stated that this will be disclosed upon sale to the new owner. The permittee should refer to Part C.I.B of the NPDES permit for additional reporting requirements.

The new permitted flow of this facility will be set at 800 gpd, the maximum permitted flow for SRSTPs.

Sludge use and disposal description and location(s): N/A

Approve	Deny	Signatures	Date
X		 Grace Polakoski, E.I.T. / Environmental Engineering Specialist	January 31, 2023
x		 Mahbuba Iasmin, Ph.D., P.E. / Environmental Engineer Manager	February 2, 2023

Summary of Review

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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0008</u>
Latitude	<u>40° 13' 44"</u>	Longitude	<u>-79° 42' 56"</u>
Quad Name	<u>Smithton</u>	Quad Code	<u>1708</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Sewickley Creek (WWF)</u>	Stream Code	<u>37622</u>
NHD Com ID	<u>69913479</u>	RMI	<u>1.96</u>
Drainage Area	<u>0.24 sq. mi.</u>	Yield (cfs/mi ²)	<u>0.0054</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00135</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats (Attachment A)</u>
Elevation (ft)	<u>1050</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>19-D</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>SILTATION</u>		
Source(s) of Impairment	<u>AGRICULTURE</u>		
TMDL Status	<u>Final</u>	Name	<u>Sewickley Creek Watershed</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>Westmoreland County Municipal Authority – McKeesport</u>		
PWS Waters	<u>Youghiogheny River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>24</u>

Changes Since Last Permit Issuance: N/A

Other Comments: N/A

Sewickley Creek Watershed

A TMDL for the Sewickley Creek Watershed was approved on July 7, 2009 for the control of acid mine drainage pollutants: pH, iron, aluminum, and manganese. In accordance with 40 CFR § 122.44(d)(1)(vii)(B), when developing WQBELs, the permitting authority shall ensure that effluent limits developed to protect a narrative water quality criterion, a numeric water quality criterion, or both, are consistent with the assumptions and requirements of any available wasteload allocation (WLA) for the discharge prepared by the State and approved by the EPA pursuant to 40 CFR § 130.7. 770. The NPDES Permit # PA0093335 was not assigned WLAs in the Sewickley Creek Watershed TMDL therefore the Department will not impose any additional monitoring or limitations for 770 West Newton Rd STP.

Treatment Facility Summary				
Treatment Facility Name: 770 W Newton Rd STP				
WQM Permit No.	Issuance Date	Purpose		
6582404	05/26/1982	Construction of STP including septic tank, subsurface sand filter, erosion chlorinator, and chlorine contact tank. STP was originally designed and constructed for a flow of 2,000 gpd.		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Sand filter	Hypochlorite	0.0008
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0008		Not Overloaded		

Changes Since Last Permit Issuance: the facility is currently not discharging and has been vacant since 2013.

Other Comments:

Compliance History

Facility: 770 W West Newton Rd SRSTP

NPDES Permit No.: PA0093335

Compliance Review Period: 1/1/2018-1/9/23

Inspection Summary:

INSPECTED DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC
01/02/2020	Compliance Evaluation	PA Dept of Environmental Protection	No Violations Noted

Violation Summary:

No violations are indicated in eFACTs during the review period.

Open Violations by Client ID:

There are no open violations for Client ID 43976.

Enforcement Summary:

No enforcement actions are indicated in eFACTs during the review period.

Effluent Violation Summary:

No effluent violations are indicated on eDMRs submitted during the review period.

Compliance Status: Facility is in compliance

Completed by: Amanda Schmidt

Completed date: 1/9/23

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>0.0008</u>
Latitude <u>40° 13' 44.00"</u>	Longitude <u>-79° 42' 56.00"</u>
Wastewater Description: <u>Sewage Effluent</u>	

Technology-Based Limitations

The following effluent limitations and monitoring requirements, at a minimum, will be established in all new and renewed SRSTP permits based on the requirements of DEP's "Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application" (SOP No. BCW-PMT-003, Version 1.8, Final, November 9, 2012, Revised May 17, 2019).

Parameter	Avg	IMAX	Sample Type	Frequency: SFTFs	Frequency: SRSTPs
Flow (GPD)	Report	XXX	Estimate (SRSTPs) Measured (SFTFs)	1/month	1/year
BOD5 (mg/L)	10	20	Grab	1/month	1/year
TSS (mg/L)	10	20	Grab	1/month	1/year
pH*	6.0 S.U. Inst. Min.	9.0 S.U.	Grab	1/month	1/year
TRC (mg/L)	Report for SRSTPs; Use TRC Spreadsheet to determine WQBELs or 0.02 mg/L for SFTFs		Grab	1/month	1/month
Fecal Coliform (No./100 ml)	200 Geometric Mean (SFTFs) / Average (SRSTPs)		Grab	1/month	1/year

* Technology-Based effluent limits for pH will be imposed based upon Federal Regulation 133.102(c) and State Regulation 95.2(1).

Additional Considerations:

SFTFs/SRSTPs are not required to monitor for Total Nitrogen and Total Phosphorus in new and reissued permits.

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.

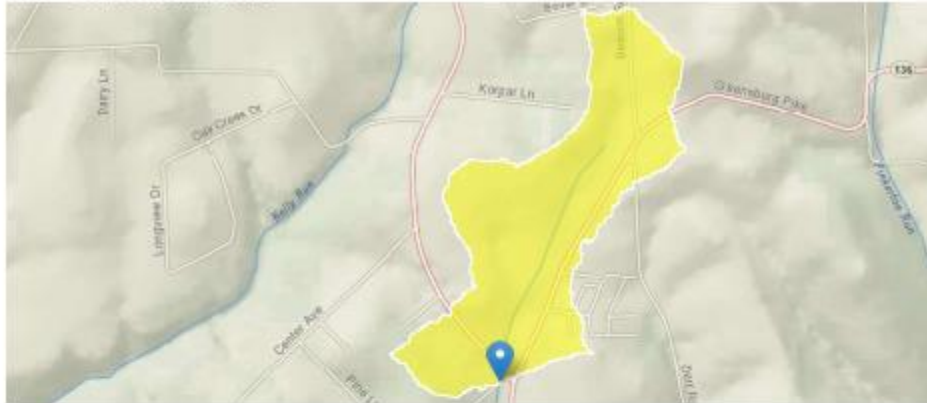
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	1000	1/year	Grab

Compliance Sampling Location: Outfall 001

ATTACHMENT A:
USGS StreamStats Report

StreamStats Report

Region ID: PA
 Workspace ID: PA20221228135058408000
 Clicked Point (Latitude, Longitude): 40.22881, -79.71549
 Time: 2022-12-28 08:51:18 -0500



Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.24	square miles
ELEV	Mean Basin Elevation	1100	feet

> Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.24	square miles	2.26	1400
ELEV	Mean Basin Elevation	1100	feet	1050	2580

Low-Flow Statistics Disclaimers [Low Flow Region 4]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [Low Flow Region 4]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.00514	ft ³ /s
30 Day 2 Year Low Flow	0.0105	ft ³ /s
7 Day 10 Year Low Flow	0.00135	ft ³ /s
30 Day 10 Year Low Flow	0.00318	ft ³ /s
90 Day 10 Year Low Flow	0.00684	ft ³ /s

Low-Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.11.1
 StreamStats Services Version: 1.2.22
 NSS Services Version: 2.2.1

ATTACHMENT B:
SEWICKLEY TOWNSHIP ZONING MAP

