

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264032
APS ID 1028909
Authorization ID 1336903

Applicant, Facility and Project Information

Applicant Name	<u>Mark Marshall</u>	Facility Name	<u>Mark Marshall SRSTP</u>
Applicant Address	<u>3813 Williams Road</u> <u>Erie, PA 16510-6101</u>	Facility Address	<u>3813 Williams Road</u> <u>Erie, PA 16510-6101</u>
Applicant Contact	<u>Mark Marshall</u>	Facility Contact	<u>Mark Marshall</u>
Applicant Phone	<u>(814) 899-8082</u>	Facility Phone	<u>(814) 899-8082</u>
Client ID	<u>321162</u>	Site ID	<u>809497</u>
SIC Code	<u>8800</u>	Municipality	<u>Harborcreek Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>November 4, 2020</u>	WQM Required	<u>-</u>
Date Application Accepted	<u>January 5, 2021</u>	WQM App. No.	<u>-</u>
Project Description	<u>Individual NPDES permit renewal for a SRSTP.</u>		

Summary of Review

The permit is for the renewal of a 500-gallon per day single residence sewage treatment plant.

A part II Water Quality Management permit is not required at this time.

Act 14 – Proof of notification was submitted and received.

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.

EPA waiver is in effect.

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

The existing treatment consists of (WQM Permit No. 2515405): A 1,500-gallon dual compartment septic tank with an effluent filter, a Ecoflo STB-570 PR peat filter, and ultraviolet disinfection.

A point of first use study, dated 10/17/2019, verifies that the discharge is to a perennial unnamed tributary 62343 to Sixmile Creek.

There are no open violations in WMS for the subject client ID (321162) as of February 10, 2022.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer General	February 10, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	February 11, 2022

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0005
Latitude	42° 8' 48.43"	Longitude	-79° 56' 53.79"
Quad Name	Harborcreek	Quad Code	0106
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Sixmile Creek (CWF, MF)	Stream Code	62343
NHD Com ID	123923715	RMI	-
Drainage Area	-	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	-	Q ₇₋₁₀ Basis	-
Elevation (ft)	902 (Google Earth)	Slope (ft/ft)	-
Watershed No.	15-A	Chapter 93 Class.	CWF, MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
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: This treatment facility is capable of meeting effluent requirements.

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 AMRs:	The latest AMR was submitted on 9/9/2020. Effluent sampling was completed and within limitations.
Summary of Inspections:	An inspection occurred on 1/11/2022, where no violations were noted, and the treatment system appears to be kept in good condition.

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 Daily Min	XXX	XXX	9.0	Upon Request	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: Flow is monitor only based on Chapter 92a.61. The limits for BOD₅, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. 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.