

Application Type **New**
Wastewater Type **Sewage**
Facility Type **SRSTP**

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

Application No. **PA0290131**
APS ID **1051866**
Authorization ID **1376536**

Applicant, Facility and Project Information

Applicant Name	<u>Garrett Blasco</u>	Facility Name	<u>Garrett Blasco SRSTP</u>
Applicant Address	<u>10721 Old Route 99</u> <u>McKean, PA 16426</u>	Facility Address	<u>10721 Old Route 99</u> <u>McKean, PA 16426</u>
Applicant Contact	<u>Garrett Blasco</u>	Facility Contact	<u>Garrett Blasco</u>
Applicant Phone	<u>(814) 450-5547</u>	Facility Phone	<u>(814) 450-5547</u>
Client ID	<u>366825</u>	Site ID	<u>850758</u>
SIC Code	<u>8800</u>	Municipality	<u>Washington Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie County</u>
Date Application Received	<u>November 17, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>November 18, 2021</u>	WQM App. No.	<u>2521433 will be issued concurrently</u>
Project Description	<u>New discharge from a proposed Single Residence Sewage Treatment Plant (SRSTP).</u>		

Summary of Review

Act 537 Planning was approved on October 15, 2021.

Act 14 Proof of Notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS:

- | | |
|--|---------------------------------|
| A. AMRs | F. Stormwater into sewers |
| B. DMRs | G. Right of way |
| C. Depth of Septage and Scum Measurement | H. Solids handling |
| D. Septic Tank Pumping | I. Public Sewerage Availability |
| E. Effluent Chlorine Optimization and Minimization | |

SPECIAL CONDITIONS: None.

Proposed treatment will consist of: A Norweco Singlair Green Bio-Kinetic treatment tank and equipment followed by a Norweco Hydro-Kinetic Bio-Film Reactor, and Ultraviolet (UV) light disinfection.
(WQM Permit no. 2521433)

There are no open violations in effects for Client ID 366825 as of 1/28/2022.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	1/28/2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	1/28/2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 56' 45.6"	Longitude	-80° 08' 5.7"
Quad Name	-	Quad Code	-
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to the Lamson Run (CWF, MF)	Stream Code	N/A
NHD Com ID	123922503	RMI	N/A
Drainage Area	-	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	-	Q ₇₋₁₀ Basis	-
Elevation (ft)	-	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)	-

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.

This SFTF was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of A Norweco Singulair Green Bio-Kinetic treatment tank and equipment followed by a Norweco Hydro-Kinetic Bio-Film Reactor.

No modeling was performed for this NPDES Permit as the Norweco Singulair Green Bio-Kinetic treatment tank and equipment followed by a Norweco Hydro-Kinetic Bio-Film Reactor has been shown to be capable of meeting BOD₅ averages of 6 mg/l and TSS averages of 10 mg/l, which are less than the inputs of the WQ model.

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
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 Ultraviolet (UV) light disinfection.

Flow is monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.