

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288047
APS ID 1117516
Authorization ID 1491698

Applicant, Facility and Project Information

Applicant Name <u>Kristen & Michael Beck</u>	Facility Name <u>Kristen & Michael Beck SFTF</u>
Applicant Address <u>161 Vidic Road</u> <u>West Sunbury, PA 16061-2721</u>	Facility Address <u>256 Timblin Road</u> <u>Butler, PA 16001</u>
Applicant Contact <u>Kristen Beck (klbeck1250@aol.com)</u>	Facility Contact <u>Kristen Beck (klbeck1250@aol.com)</u>
Applicant Phone <u>(724) 290-0669</u>	Facility Phone <u>(724) 290-0669</u>
Client ID <u>368818</u>	Site ID <u>839229</u>
SIC Code <u>6513</u>	Municipality <u>Clay Township</u>
SIC Description <u>Fin, Ins & Real Est - Apartment Building Operators</u>	County <u>Butler</u>
Date Application Received <u>June 17, 2024</u>	WQM Required <u>No</u>
Date Application Accepted <u>July 11, 2024</u>	WQM App. No. <u>-</u>
Project Description <u>Renewal of an NPDES Permit for an existing discharge of treated sanitary wastewater.</u>	

Summary of Review

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: Ultraviolet (UV) Disinfection

Proposed treatment will consist of: Two 1,500 gallon septic tanks with a Zabel A300 effluent filter on the outlet of the second septic tank, a 500 gallon dosing tank with pump, a flow distribution box, two Premier Tech EC7-1050-P-P Coco Filters in parallel, and a Salcor 3G Ultraviolet (UV) light disinfection unit.
(WQM Permit no. 1020401)

There are no open violations in efacts for Client ID 368818 as of 6/18/2025.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley	6/18/2025
		Stephen A. McCauley, E.I.T. / Project Manager	
X		Adam Olesnanik	6/18/2025
		Adam Olesnanik, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0016</u>
Latitude	<u>40° 58' 4.79"</u>	Longitude	<u>-79° 56' 5.01"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Muddy Creek (HQ-CWF)</u>	Stream Code	<u>34081</u>
NHD Com ID	<u>126221056</u>	RMI	<u>19.3</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>HQ-CWF</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>Metals</u>		
Source(s) of Impairment	<u>Acid Mine Drainage (AMD) and Surface Mining</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>-</u>		
PWS Waters	<u>-</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>-</u>	Distance from Outfall (mi)	<u>-</u>

* - This facility is not expected to add to the impairment of the receiving stream.

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 receiving stream being designated as High-Quality.

No modeling was performed for this NPDES Permit as the Premier Tech Ecoflo EC7-1050 coco filter is capable of meeting CBOD5 averages of 8 mg/l and TSS averages of 6 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	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	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 monitoring frequency has been established as 1/month due to the stream designation as high-quality). The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.