

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0264296
APS ID 1037949
Authorization ID 1353209

Applicant, Facility and Project Information

Applicant Name	<u>Adam Brezinski</u>	Facility Name	<u>Adam Brezinski SRSTP</u>
Applicant Address	<u>656 Ekastown Road</u> <u>Sarver, PA 16055-9612</u>	Facility Address	<u>656 Ekastown Road</u> <u>Sarver, PA 16055-9612</u>
Applicant Contact	<u>Adam Brezinski</u>	Facility Contact	<u>Adam Brezinski</u>
Applicant Phone	<u>(724) 822-1590</u>	Facility Phone	<u>(724) 822-1590</u>
Client ID	<u>324190</u>	Site ID	<u>778744</u>
SIC Code	<u>8800</u>	Municipality	<u>Buffalo Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>March 30, 2021</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>May 12, 2021</u>	WQM App. No.	<u>-</u>
Project Description	<u>Individual NPDES permit renewal for an SRSTP.</u>		

Summary of Review

The project involves the NPDES renewal of a new 400 gpd single residence sewage treatment system.

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 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

Treatment permitted under WQM Permit No. 1015405 consists of a 1000-gallon dual compartment septic tank with a Zabel A-300-8 effluent filter, a Premier Tech Ecoflow Rotomoulded STP-570P Peat Filter, and a Salcor ultraviolet light disinfection unit, where the treated effluent will discharge to an Unnamed Tributary to Lardintown Run (TSF).

There are no open violations in WMS for the subject client ID (324190) as of 3/11/2022.

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.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer General	March 10, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	March 14, 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>.0004</u>
Latitude	<u>40° 42' 24"</u>	Longitude	<u>-79° 46' 28"</u>
Quad Name	<u>Curtisville</u>	Quad Code	<u>1307</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Lardintown Run (TSF)</u>	Stream Code	<u>42497</u>
NHD Com ID	<u>123971204</u>	RMI	<u>0.6</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>18-A</u>	Chapter 93 Class.	<u>TSF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<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>New Kensington Municipal Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>21</u>	Distance from Outfall (mi)	<u>32.57</u>

Changes Since Last Permit Issuance: None

Other Comments: This treatment system 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 discharg

Compliance History	
Summary of DMRs:	No effluent exceedances.
Summary of Inspections:	An inspection occurred on 12/4/2020, where no violations were noted. Effluent sampling was taken at outfall 001 and did not exceed effluent limits. Septic tanks were pumped on 3/24/2021.

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 disinfection.

Other Comments: Flow is monitor only based on 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.

Attachment A – eMAP Stream Designation

