

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0264610  
APS ID 1037616  
Authorization ID 1352709

**Applicant, Facility and Project Information**

Applicant Name	<u>Dale L Hess</u>	Facility Name	<u>Dale Hess SRSTP</u>
Applicant Address	<u>9625 Tileyard Road</u> <u>Waterford, PA 16441-3339</u>	Facility Address	<u>9625 Tileyard Road</u> <u>Waterford, PA 16441-3339</u>
Applicant Contact	<u>Dale Hess</u>	Facility Contact	<u>Dale Hess</u>
Applicant Phone	<u>(814) 476-7383</u>	Facility Phone	<u>(814) 476-7383</u>
Client ID	<u>328954</u>	Site ID	<u>816119</u>
SIC Code	<u>8800</u>	Municipality	<u>McKean Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>April 8, 2021</u>	WQM Required	<u>-</u>
Date Application Accepted	<u>May 5, 2021</u>	WQM App. No.	<u>-</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

**Summary of Review**

The application involves the renewal of an Individual NPDES permit for a 400 gpd single residence sewage treatment system for a 3-bedroom home.

Planning was approved on June 16, 2016.

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 consists of (WQM Permit No. 2516409) a Norweco Singulair Bio-Kinetic Aerobic unit (Model 960-500/600 GPD) and a separate UV disinfection unit. where the treated effluent will discharge to an Unnamed Trib to Elk Creek (CWF, MF).

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.

There are no open violations in WMS for the subject client ID (328954) as of 06/15/2022.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Project Manager	June 15, 2022
X		Adam J. Pesek for Justin C. Dickey, P.E. / Environmental Engineer Manager	July 19, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 59' 43.9"</u>	Longitude	<u>-80° 4' 49.25"</u>
Quad Name	<u>Cambridge Springs, NE</u>	Quad Code	<u>01031</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Elk Creek</u>	Stream Code	<u>62491</u>
NHD Com ID	<u>123926051</u>	RMI	<u>0.9800</u>
Drainage Area	_____	Yield (cfs/mi <sup>2</sup> )	_____
Q <sub>7-10</sub> Flow (cfs)	_____	Q <sub>7-10</sub> Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>15</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
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 unit 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.

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	An AMR was submitted for the June 1, 2017 to May 31, 2018 reporting period. Effluent sampling results were very high for BOD <sub>5</sub> , total phosphorus, and TSS (156, 21.6, and 328) mg/L respectively. The values appear to be inconsistent with effluent and were possibly influent samples. Fecal coliform values for 2018, 2019 and 2020 were good. 2021 value was extremely high which may have been a result of a dirty UV bulb.

Other Comments: **Recommend more frequent cleaning of the UV bulb.**

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	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 BPJ/technology-based on the Department's "Small Flow Treatment Facilities Manual." 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.

### Attachment A – eMAP Stream Designation

