

Application Type New
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0267040
APS ID 1007528
Authorization ID 1298563

Applicant, Facility and Project Information

Applicant Name	<u>Dale L. Huie</u>	Facility Name	<u>Huie's Gray Fox Inn</u>
Applicant Address	<u>2142 South Galen Hall Road</u> <u>Reinholds, PA 17569</u>	Facility Address	<u>2142 South Galen Hall Road</u> <u>Reinholds, PA 17569</u>
Applicant Contact	<u>Dale Huie</u>	Facility Contact	<u>Dale Huie</u>
Applicant Phone	<u>(717) 484-2625</u>	Facility Phone	<u>(717) 484-2625</u>
Client ID	<u>354069</u>	Site ID	<u>262142</u>
SIC Code	<u>7011</u>	Municipality	<u>South Heidelberg Township</u>
SIC Description	<u>Services - Hotels And Motels</u>	County	<u>Berks</u>
Date Application Received	<u>December 6, 2019</u>	WQM Required	<u>Application submitted</u>
Date Application Accepted	<u>December 13, 2019</u>	WQM App. No.	<u>0619408</u>
Project Description	<u>New NPDES permit for discharge to stream: replacing a failed on-lot sewage disposal system</u>		

Summary of Review

Planning approval for this site was granted by DEP on August 7, 2019: A3-06960-155-3s (for sewage flows of 1140 gpd). The facility consists of a bar, restaurant, and a 4-room hotel. The proposed Small Flow Treatment Facility (SFTF) will replace a malfunctioning on-lot disposal system. Because the proposed SFTF differs from the designs in DEP's current SFTF Manual, the facility is not eligible for DEP's general NPDES permit for SFTF dischargers, PAG-04. An individual NPDES permit will be instead issued. At the current time, SFTF's are not required to use the DEP's eDMR system. At the current time, most SFTF permits issued by this office report monitoring results using Annual Maintenance Reports (AMRs) and not Discharge Monitoring Reports (DMRS).

The limits recommended in the draft permit, except the limits for pH, are consistent with the DEP's Standard Operating Procedure (SOP) for New and Reissuance SFTF Individual NPDES Permit Applications, dated May 17, 2019. They represent Technology Based Effluent Limitations based on Best Professional Judgment and performance data. There is no limit for Total Residual Chlorine because the proposed disinfection is UV, not chlorine. There is no limit for Oil and Grease because a grease trap is included in the SFTF design and microorganisms in the treatment system are able to use Oil and Grease as a food source. The Part C conditions included in the draft permit are the same as imposed in most NPDES permits for SFTFs. The requirement to submit AMRs (not DMRs) is included in the Part C Conditions.

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.

Approve	Deny	Signatures	Date
X		Bonnie J. Boylan / Environmental Engineering Specialist	January 16, 2020
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Environmental Program Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	1140
Latitude	40° 17' 35.09" per application 40° 17' 20.78" per NHD-at UNT 07726 *	Longitude	76° 5' 53.04" per application -76° 6' 12.75" NHD-at 07726 *
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	UNT* to Unnamed Tributary to Little Cocalico Creek (TSF, MF)	Stream Code	Unidentified UNT* to UNT 07726 of Little Cocalico Creek
NHD Com ID	57460997 (UNT 07726)	RMI	0.35 approx. for UNT-UNT 1.25 approx. for UNT 07726
Drainage Area	_____	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	_____	Q ₇₋₁₀ Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	07J	Chapter 93 Class.	Trout Stocking, Migratory Fishes
Existing Use	Not different than designated use	Existing Use Qualifier	none
Exceptions to Use	-	Exceptions to Criteria	none
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	Not Applicable		
Source(s) of Impairment	Not Applicable		
TMDL Status	None	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)	_____

*PA Stream Stats shows the UNT flowing past the site, which then empties into UNT 07726, but the current eMapPA does not show the small UNT feeding into the UNT 07726.

Other Comments:

UNT 07726 is not a Class A Trout Water or a Trout Natural Reproduction Water

Wetlands are shown adjacent to discharge area. Sewage Planning staff review presence of wetlands, etc., before granting planning approval. The Planning approval letter included no special conditions or restrictions.

Calculation of Water-Quality Based Effluent (WQBELs) using DEP models is not typical for SFTF discharges.

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	Instant. Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
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: after treatment