Pennsylvania Department of Environmental Protection

Northeast Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0063037**
Facility Type	**Non-Municipal**	APS ID	**1126734**
Major / Minor	**Minor**	Authorization ID	**1508298**

Applicant and Facility Information

Applicant Name	**Stoney Creek Hotel**	Facility Name	**Stoney Creek Hotel WWTP**
Applicant Address	144 Indian Trail	Facility Address	Route 903 And Smith Road
	Jim Thorpe, PA 18229		Albrightsville, PA 18229
Applicant Contact	Wade Oddy	Facility Contact	Wade Oddy
Applicant Phone	(570) 657-7420	Facility Phone	(570) 657-7420
Client ID	389641	Site ID	252796
Ch 94 Load Status	N/A	Municipality	Penn Forest Township
Connection Status	N/A	County	Carbon
Date Application Received	July 28, 2022	EPA Waived?	Yes
Date Application Accepted	July 28, 2022	If No, Reason	-

Purpose of Application: Renewal and transfer of NPDES permit.

Summary of Review

This authorization is for the transfer and renewal of NPDES permit PA0063037. The renewal application from the previous owner of the hotel was received by PA DEP on July 28, 2022 and a draft permit was issued on December 16, 2022, however, a final permit was not issued. A transfer application was received by PA DEP on August 31, 2023. The original permit reviewer for this renewal no longer works for PA DEP. On November 7, 2024, review of the renewal and transfer authorization was reassigned. A new client was created in eFACTS after the EIN was obtained in an email dated November 27, 2024.

Due to the length of time since the original draft permit was issued and the present, a new draft permit must be issued before the final permit. The information in *italics* below is copied/pasted from the previous draft permit fact sheet. The original fact sheet attachments are also included in this document. Note: In previous permits, the design flow for the facility was 0.0035 MGD; it's unclear why the original draft permit issued on December 16, 2022 modeled the discharge at 0.025 MGD.

The applicant is requesting the renewal of permit PA0063037 to discharge 0.025 MGD of treated wastewater into Stony Creek, an Exceptional Value, Migratory Fishes (EV, MF) designated stream in state water plan basin 02-B (Middle Lehigh River). As per the Department's current existing use list, the receiving stream does not have an existing use that is more protective than its designated use. This system is currently out of service, so there is no discharge from it. Although there are no plans to reopen the Stony Creek Hotel, the applicant wants to renew the permit for use in the case that the hotel does open again.

The facility is a 25,000 GPD aeration treatment plant utilizing sodium hypochlorite for disinfection. The applicant claims to not use any other wastewater treatment chemicals and is not proposing any changes to the facility over the next five years. According to a DEP compliance inspection on 10/17/2022, the Stoney Creek Hotel has been shut down since June 2011, and the water in the building has been disconnected from the well, so there is no flow going to the underground sand

Approve	Deny	Signatures	Date
X		Brian Burden, E.I.T. / Project Manager	December 3, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	12-27-24

Summary of Review

filtration system. For this reason, the applicant did not include effluent monitoring results with the application. It is requested that if the applicant plans to operate the facility again, the DEP is notified.

As conditions remain the same since the last permit issuance, the technology based effluent limits and monitoring requirements are not being changed for this renewal. In order to determine if water quality-based limits are still applicable or if they need to be updated, water quality monitoring was performed using WQM 7.0. Stream and drainage area data was obtained using USGS StreamStats. TRC limitations have been carried over from the previous permit cycle as conditions at the treatment plant have not changed. If technology-based limits and water quality-based limits pertained to the same parameter, the more stringent limitation was used to maintain the quality of the stream.

To establish effluent limits for $CBOD_5$, Dissolved Oxygen (DO), and NH_3-N by using WQM 7.0, a Low Flow Yield must be determined. At the point of Outfall 001, the drainage area (2.95 mi^2) is not large enough to obtain an accurate 7-day 10-year low flow value (Q_{7-10}) according to StreamStats. Using a point downstream from Outfall 001 with a drainage area of 9.95 mi^2, a $Q_{(7-10)}$ of 1.05 ft^3/s was found. Using this value and the drainage area of 2.95 mi^2 from discharge point of Outfall 001, a LFY of 0.106 cfs/mi^2 was determined. This value was entered into WQM 7.0 along with discharge concentrations of $CBOD_5$, DO, and NH_3-N based on the current effluent limitations to determine appropriate effluent limits for the discharge at Outfall 001. This resulted in maintaining the current limits for $CBOD_5$ and DO but reducing the limits of NH_3-N to a 22 mg/L monthly average and a 44 mg/L instantaneous maximum.

The only other change to discharge monitoring is the inclusion of yearly monitoring for E. coli. Updated monitoring requirements can be found in the table below. StreamStats data and the WQM 7.0 calculations are attached to this document. There are currently no open violations for the client that would warrant withholding issuing a permit.

Sludge use and disposal description and location(s): This facility is currently out of service.

Updates to Original Draft Permit

The 25 mg/L monthly average and 50 mg/L IMAX Ammonia-N limitations from the previous permit issued on January 5, 2018 are retained in this draft permit. The 22 mg/L monthly average and 44 mg/L IMAX limitations from the original draft permit are disregarded since they were determined using an incorrect hydraulic design capacity of 0.025 MGD. A hydraulic design capacity of 0.0035 MGD should have been used in modeling.

Note: The LFY discussed above was determined using the drainage area at the downstream point, not the drainage area at Outfall 001 (as indicated in *italics* above), which was an acceptable way to determine an LFY. No limitations in this version of the draft permit were affected by the modeling performed during original draft permit issuance.

WQM Modeling.pdf Model Point 1.pdf Model Point 2.pdf

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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0035
Latitude	40º 58' 15"	Longitude	-75º 38' 32"
Quad Name	Christmans	Quad Code	1140
Wastewater Description:	Sewage Effluent		

Receiving Waters	Stony Creek (EV, MF)	Stream Code	4161
NHD Com ID	26285675	RMI	4.2
Drainage Area	2.95 mi^2	Yield (cfs/mi^2)	0.106
Q_{7-10} Flow (cfs)	0.313	Q_{7-10} Basis	
Elevation (ft)	1550	Slope (ft/ft)	
Watershed No.	2-B	Chapter 93 Class.	EV, 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	Final	Name	Lehigh River TMDL

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)	-

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.0035
Latitude 40º 58' 15" **Longitude** -75º 38' 32"
Wastewater Description: Sewage Effluent

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
$CBOD_5$	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	-	-
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	-	-
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
	1.6	IMAX	-	-

Best Professional Judgment (BPJ) Limitations

Parameter	Limit (mg/l)	SBC	Basis
Ammonia-N	25.0	Average Monthly	BPJ
	50.0	IMAX	
Dissolved Oxygen	5.0	Minimum	BPJ

Anti-Backsliding

No limitations were removed from the permit or made less stringent.

Pennsylvania
Department of
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Approve	Deny	Signatures	Date
X		Brian Burden, E.I.T. / Project Manager	December 3, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	12-27-24