

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

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

Application No. PA0058505  
APS ID 1084198  
Authorization ID 1432247

**Applicant, Facility and Project Information**

Applicant Name	<u>Kilcar House, Inc.</u>	Facility Name	<u>Casey's Tavern STP</u>
Applicant Address	<u>199 Union Road</u> <u>Quakertown, PA 18951</u>	Facility Address	<u>1197 California Road</u> <u>Quakertown, PA 18951-4519</u>
Applicant Contact	<u>James Casey</u>	Facility Contact	<u>James Casey</u>
Applicant Phone	<u>(215) 538-3909</u>	Facility Phone	<u>(215) 538-3909</u>
Client ID	<u>53368</u>	Site ID	<u>245310</u>
SIC Code	<u>4952</u>	Municipality	<u>Richland Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Bucks</u>
Date Application Received	<u>March 20, 2023</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Permit Renewal.</u>		

**Summary of Review**

The applicant requests renewal of an NPDES permit to discharge 1,400 gallons per day (GPD) of treated sewage into Tohickon Creek. The treatment plant serves a tavern and few rented apartments in the building.

Kilcar House is an eating and drinking establishment (also known as Casey's Tavern). The package treatment plant consists of a bar screen, an aeration tank, clarifier, chlorination and dechlorination tank. Grease tank is provided to remove grease generated in the restaurant. Calcium Hypochlorite tablets are used for chlorination. The discharge is generally in compliance with effluent limits. Effluent limits for all the parameters will remain the same in this permit. Monitoring requirement for Total Nitrogen and E.Coli are included in this permit renewal and are consistent with SOP.

Total Maximum Daily Load (TMDL) for Lake Nockamixon was completed in March 2003 for nutrients. It requires a permit limit of 0.5 mg/l for Phosphorus for all the dischargers into Tohickon Creek upstream of Lake Nockamixon. Therefore, effluent limit of 0.5 mg/l for Phosphorus will continue in this permit.

Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	11/29/2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	11/29/2023

**Summary of Review**

Following are effluent limits:

PARAMETER	EFFLUENT LIMIT (av. Mo. In mg/l)	BASIS
CBOD5	25	92a.47
Total Suspended Solids	30	92a.47
Total Residual Chlorine	0.5	92a.47-48
Ammonia-Nitrogen	20	BPJ
pH (SU)	6.0 to 9.0 SU	92a.47, 95.2
Fecal Coliform (No./100 ml)	200 #/100 ml (Geo. Mean)	92a.47
Dissolved Oxygen	4.0 (Inst. Minimum)	BPJ
Total Phosphorus	0.5	Lake Nockamixon TMDL
Oil & Grease	15.0	BPJ
Total Nitrogen	Report	92a.61
E. Coli (No./100 ml)	Report	92a.47

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 and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0014</u>
Latitude	<u>40° 28' 28.01"</u>	Longitude	<u>-75° 20' 54.51"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Tohickon Creek (TSF, MF)</u>	Stream Code	<u>03110</u>
NHD Com ID	<u>26053236</u>	RMI	<u>26.45</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>2-D</u>	Chapter 93 Class.	<u>TSF, 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)	_____

**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	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	4.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	1/month	Grab
TSS	XXX	XXX	XXX	30	XXX	60	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
Ammonia	XXX	XXX	XXX	20	XXX	40	1/month	Grab
Total Phosphorus	0.0058	XXX	XXX	0.5	XXX	1	1/month	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30	1/month	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
E. Coli	XXX	XXX	XXX	XXX	XXX	Report	1/quarter	Grab