

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0204960
APS ID 1023014
Authorization ID 1334204

Applicant, Facility and Project Information

Applicant Name	<u>Oliver Real Estate Holdings LLC</u>	Facility Name	<u>Big Jims Roadhouse STP</u>
Applicant Address	<u>PO Box 533</u> <u>Lawrence, PA 15055-0533</u>	Facility Address	<u>10 Cecil Henderson Road</u> <u>Hendersonville, PA 15339</u>
Applicant Contact	<u></u>	Facility Contact	<u></u>
Applicant Phone	<u></u>	Facility Phone	<u></u>
Client ID	<u>358362</u>	Site ID	<u>248946</u>
SIC Code	<u>4952</u>	Municipality	<u>Cecil Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Washington</u>
Date Application Received	<u>May 29, 2019</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u>6376418 T-1</u>
Project Description	<u>Transfer and renewal application to discharge treated sewage</u>		

Summary of Review

This review is in response to a renewal and transfer application. Oliver Real Estate Holdings is the current owner/operator of Big Jim's Roadhouse restaurant in Cecil Township, Washington County. Sewage from the restaurant is treated with flow equalization, extended aeration, clarification, sand filtration and chlorination before discharging into an unnamed tributary of Chartiers Creek through outfall 001. Because of the extended aeration system, this facility does not conform to the small flow design manual so it does not qualify for a PAG-04.

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		James Vanek James Vanek, P.E. / Environmental Engineer	December 10, 2020
X		Donald J. Leone Donald J. Leone, P.E. / Environmental Engineer Manager	January 26, 2021

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>.002</u>
Latitude	<u>40° 18' 2.69"</u>	Longitude	<u>-80° 8' 57.61"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Chartiers Creek (WWF)</u>	Stream Code	<u>36940-U</u>
NHD Com ID	<u>99691520</u>	RMI	<u>0.057</u>
Drainage Area	<u>NA</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Previous pollution report</u>
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>20-F</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	<u>none</u>	Exceptions to Criteria	<u>none</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>HABITAT ALTERATIONS, NUTRIENTS</u>		
Source(s) of Impairment	<u>HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION, HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION</u>		
TMDL Status	<u>Final, Final</u>	Name	<u>Chartiers Creek, Chartiers Creek Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	_____		_____
Temperature (°F)	_____		_____
Hardness (mg/L)	_____		_____
Other:	_____		_____
Nearest Downstream Public Water Supply Intake	<u>West View Water Authority</u>		
PWS Waters	_____	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

Changes Since Last Permit Issuance: none

Other Comments: none

Compliance History	
Summary of DMRs:	A review of the DMR's shows the facility is achieving its permit limits
Summary of Inspections:	NA

Effluent Limitations

The numeric effluent limitations recommended in this draft permit are the same as the limits of the previous permit. The previous permit had seasonal ammonia nitrogen limits and seasonal fecal coliform limits. These seasonal limits cannot be re-imposed if the monitoring frequency is semi-annual (1/6 months). Because of the way the DEP administers its review of discharge monitoring reports, semi annual limits cannot be imposed seasonally unless the seasonal limits are from January through June and July through December. Ammonia nitrogen seasonal limits are usually imposed from May through October and November through April. Fecal Coliform limits are usually imposed from May through September and October through April. Neither of these seasons are January through June or July through December, so the more restrictive limit from the previous permit has been imposed and the less restrictive seasonal limit has been removed from the permit. A review of the DMR's shows that the plant routinely achieves the more restrictive limits.

Sample Frequencies

The sampling frequencies have been adjusted from the previous permit. This permit is recommending monthly sampling for flow, pH, dissolved oxygen and total residual chlorine. These limits are usually imposed daily, but since the actual discharge is typically much less than the plant rated 2,000 gallons per day, monthly sampling is imposed. The previous permit had 2/year sampling for flow and DO and 1/month sampling for pH and TRC. Having all four parameters sampled monthly is more appropriate and not burdensome to the permittee. Flow is merely estimated and with extended aeration the dissolved oxygen should not be problematic for a well operated plant. CBOD and TSS will continue to be monitored 1/6 months. Total nitrogen and total phosphorus will continue to be monitored 1/year.

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	Daily Maximum	Maximum	Instant. Maximum		
Flow (MGD)	0.002	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/month	Grab
TRC	XXX	XXX	XXX	0.5 Avg Mo	XXX	1.6	1/month	Grab
CBOD5	XXX	XXX	XXX	20.0	XXX	40.0	1/6 months	Grab
TSS	XXX	XXX	XXX	30.0 SEMI AVG	XXX	60.0	1/6 months	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 SEMI AVG	XXX	1000	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia	XXX	XXX	XXX	2.0 SEMI AVG	XXX	4.0	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab

Compliance Sampling Location: 001