

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET
(Pursuant to NAC 445A.236)

Permittee Name: Longstreet Inn & Casino
HCR 70 Box 559
Amargosa Valley, NV 89020

Permit Number: NEV95004

Location: 4400 S. Hwy. 373, Amargosa Valley, Nye County
Wastewater Treatment Ponds:
Latitude: 36° 24' 47" N, Longitude: 116° 25' 37" W
Elevation: 2,154 ft., Above Sea Level
Township 18S, Range 49E, SW¼ of SW¼, Section 2

Bureau of Corrective Actions Sites: There is no Bureau of Corrective Action (BCA) remediation site located within a one-mile radius of this facility's wastewater treatment ponds.

Wellhead Protection Area: This facility's wastewater treatment ponds are located within 1,000 ft. proximity (Drinking Water Protection Area No. 2) from a Non-Transient Non-Community supply well for this property. A wellhead capture zone has not been defined, but this supply well is ranked as highly vulnerable to volatile (VOC) and inorganic (IOC) contamination. The nearest source of contamination to this supply well would be the four treatment ponds, i.e. within 750 ft.

General: Longstreet Inn & Casino has submitted an application for renewal of its discharge permit (no changes indicated). The proprietor operates a casino, restaurant, 60-room hotel, and 50-space RV park, which were built in 1995.

Treatment Ponds: There are four ¼-acre clay-lined treatment ponds. The first pond is partial-mix (aerated). Effluent from the first pond is discharged in parallel rotation to one of three facultative (non-aerated) ponds for evaporation-percolation.

Receiving Water Characteristics: Groundwater flow is south-southeast to the Amargosa River (seasonal). Pond seepage is detected by two monitoring wells. Depth to groundwater averages 43½ ft. below ground surface. Average groundwater nitrogen (TN) level is 3.5 mg/l. The nitrogen's elevation above background (≤ 0.5 mg/l) is from pond seepage.

Flow: The pond treatment capacity is 0.04 Million Gallon per Day (MGD), equivalent to 40,000 Gallon per Day (GPD). Wastewater flow fluctuates seasonally with guest occupancy and is generally lowest in the hotter summer months when visitation reduces at the nearby Death Valley National Park. Over the past year, the flow averaged 4,500 GPD (11% of treatment capacity). Daily maximum flow peaked at 8,000 GPD and is typical of weekends. The typical wastewater demand for guest lodging is 100 GPD per occupied hotel room or RV space.

DMR Analysis: The wastewater is of domestic (sanitary) origin and its strength (BOD₅/TSS) is considered weak (101/52 mg/l). Typical municipal wastewater influent strength (BOD₅/TSS) is

240/220 mg/l. Effluent quality of BOD₅/TSS measured at the secondary ponds averaged 7/23 mg/l.

Rational for Permit Requirements: The Division's pond effluent treatment standards for Inhibited BOD₅ (CBOD) and TSS levels are 45/90 mg/l (daily maximum). The groundwater nitrogen (TN) 10 mg/l standard is applied for the two monitoring wells. The pond operations are to be supervised by a Nevada certified Grade I (or higher) wastewater operator, which is presently contracted out at this facility to a Grade III operator. Daily pond operations are handled in-house. Sampling frequency is quarterly. Any updates to the 1996 version of the facility's Operations & Maintenance (O&M) Manual are also required.

Table 1: Discharge Limitations

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow, MGD (Influent)	0.04	M&R	Continuous	Lift-Station Time Clocks
CBOD, mg/L (Influent)	M&R		Quarterly	Discrete
CBOD, mg/L (Effluent)	45		Quarterly	Discrete
TSS, mg/L (Influent)	M&R		Quarterly	Discrete
TSS, mg/L (Effluent)	90		Quarterly	Discrete
pH, Std. Units (Effluent)	Between 6.0 & 9.0		Quarterly	Discrete

Table 2: Groundwater Monitoring (MW-1 & MW-2)

PARAMETER	GROUNDWATER LIMITATIONS	MONITORING REQUIREMENTS	
		Measurement Frequency	Sample Type
TDS, mg/L	Monitor & Report	Quarterly	Discrete
Chlorides, mg/L	Monitor & Report	Quarterly	Discrete
Nitrate as N, mg/L	Monitor & Report	Quarterly	Discrete
Total Nitrogen as N, mg/L	10.0	Quarterly	Discrete
Depth to Groundwater, ft	Monitor & Report	Quarterly	Field Measurement
Groundwater Elevation, ft	Monitor & Report	Quarterly	Field Measurement

Schedule of Compliance: (all compliance deliverables shall be addressed to the attention of the Compliance Coordinator, Bureau of Water Pollution Control):

- Within thirty (30) days of the permit renewal date (by XX/XX/2010); the Permittee shall submit an updated copy of an Operations & Maintenance (O&M) Manual prepared in accordance with NDEP Water Technical Sheet No. WTS-2: *Minimum Information Required for an Operation and Maintenance Manual*.

Procedures for Public Comment: The Notice of the Division's intent to renew this discharge permit is being sent to the **Pahrump Valley Times** and **Las Vegas Review-Journal** newspapers for publication. The notice is also being electronically mailed to all interested persons requesting listing on our public notification mailing list. Anyone wishing to comment on the proposed permit can do so in writing within a period of thirty (30) calendar days of the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **Friday, August 27, 2010, by 5:00 P.M. PST.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination: The Division has made the tentative determination to issue (renew) the proposed water pollution control discharge permit for a period of five (5) years.

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Bureau of Water Pollution Control

Date: July 22, 2010