



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: LONGSTREET INN & CASINO
4400 S. HWY 373
AMARGOSA VALLEY, NV - 89020

Permit Number: NS0095004

Location: LONGSTREET INN & CASINO WASTEWATER TREATMENT PLANT, NYE
4400 S. HWY 373, AMARGOSA VALLEY, NV - 89020
LATITUDE: 36.4125, LONGITUDE: -116.4250
TOWNSHIP: 18N, RANGE: 49E, SECTION: 2

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	INFLUENT	Influent Structure		AMARGOSA VALLEY	NV	89020	NYE	36.4125	-116.4250	GROUNDWATER
002	EFFLUENT	External Outfall		AMARGOSA VALLEY	NV	89020	NYE	36.4125	-116.4250	GROUNDWATER
MW1	MW-1	Monitoring Well		AMARGOSA VALLEY	NV	89020	NYE	36.4130	-116.4270	GROUNDWATER
MW2	MW-2	Monitoring Well		AMARGOSA VALLEY	NV	89020	NYE	36.4130	-116.4280	GROUNDWATER

General:

The Permittee, Longstreet Inn & Casino, has applied for the renewal of permit NS0095004 for its onsite wastewater treatment plant (WWTP) located at 4400 South Highway 373 in Amargosa Valley, Nevada. The Longstreet Inn & Casino was constructed in 1995 and includes a casino, restaurant, 60-room hotel, and 50-space RV park. The WWTP consists of four ¼-acre, clay-lined ponds, each with an operating depth of approximately six feet. The first pond in the system is an aerated, partial-mix, primary treatment pond. Effluent from the primary treatment pond is discharged in parallel rotation to one of three facultative (non-aerated) ponds for disposal through evaporation and percolation. Wastewater flows fluctuate seasonally with guest occupancy and are generally lowest during the summer.

Discharge Characteristics:

The discharge consists of treated domestic (sanitary) wastewater with the following average characteristics, calculated from daily maximum values reported in 2015:

Carbonaceous Biochemical Oxygen Demand: 9.81 mg/L
Total Suspended Solids: 25 mg/L
pH: 7.9 standard units

Receiving Water:

The receiving water is groundwater of the State. The groundwater underlying the facility is reportedly 44 feet below ground surface. Groundwater in the area flows south-southeast. Average groundwater characteristics, calculated from daily maximum values reported in 2015 for MW-1 and MW-2, are listed below.

MW-1

Chlorides: 67.7 mg/L

Total Dissolved Solids (TDS): 718 mg/L
Nitrate: 4.32 mg/L
Total Nitrogen: 4.32 mg/L

MW-2

Chlorides: 257 mg/L
TDS: 896 mg/L
Nitrate: 6.79 mg/L
Total Nitrogen: 6.79 mg/L

The permitted discharge is not expected to negatively impact the groundwater.

Summary of Changes From Previous Permit:

Both influent and effluent Total Suspended Solids (TSS) and BOD, carbonaceous, 05 day, 20 C (CBOD) 30-day average has been changed to a quarterly average and the daily maximum to a quarterly maximum.

The requirement to monitor and report nitrate in the groundwater has been removed; nitrate is a component of total nitrogen, which is reported quarterly and limited to 10.0 mg/L.

The requirement to electronically submit Discharge Monitoring Reports (DMRs) within 1 year of permit issuance has been added. The Bureau of Water Pollution Control's Nevada NetDMR system is a website that allows for electronic submission of DMRs. By using Nevada NetDMR, Permittees will save time, see a reduction in paperwork burden, and data will automatically error-check and validate the information prior to submission. The system also allows for electronic submittal of attachments and supplemental documentation and provides instant confirmation of submission.

Due to the new naming conventions at the Nevada Division of Environmental Protection (NDEP), Bureau of Water Pollution Control, the permit number has been changed from NEV95004 to NS0095004. This change does not reflect a change in the type of permit being issued.

Proposed Effluent Limitations:

The discharge shall be limited and monitored by the Permittee as specified below:

WWTP Discharge Limitations Table for Sample Location 001 (Influent) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Raw Sewage Influent	001	Continuous	METER ^[1]
Flow rate	30 Day Average	<= 0.04 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	001	Continuous	METER ^[1]

Notes (WWTP Discharge Limitations Table):

1. Lift-station time clocks

WWTP Discharge Limitations Table for Sample Location 001 (Influent) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
BOD, carbonaceous, 05 day, 20 C	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Quarterly	DISCRT
BOD, carbonaceous, 05 day, 20 C	Quarterly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Quarterly	DISCRT
Solids, total suspended	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Quarterly	DISCRT
Solids, total suspended	Quarterly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Quarterly	DISCRT

WWTP Discharge Limitations Table for Sample Location 002 (Effluent) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
BOD, carbonaceous, 05 day, 20 C	Quarterly Maximum		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002 ^[1]	Quarterly	DISCRT
BOD, carbonaceous, 05 day, 20 C	Quarterly Average		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002 ^[1]	Quarterly	DISCRT
Solids, total suspended	Quarterly Maximum		<= 90 Milligrams per Liter (mg/L)	Effluent Gross	002 ^[1]	Quarterly	DISCRT
Solids, total suspended	Quarterly Average		<= 90 Milligrams per Liter (mg/L)	Effluent Gross	002 ^[1]	Quarterly	DISCRT
pH, minimum	Minimum Value		>= 6.0 Standard Units (SU)	Effluent Gross	002 ^[1]	Quarterly	DISCRT
pH, maximum	Maximum Value		<= 9.0 Standard Units (SU)	Effluent Gross	002 ^[1]	Quarterly	DISCRT

Notes (WWTP Discharge Limitations Table):

1. Effluent samples shall be taken from the operating secondary pond following treatment and discharge from the aerated primary pond.

Groundwater Monitoring Wells Table for Sample Location Mw1 (Monitoring Well Mw-1) To Be Reported Quarterly^[1]

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Quarterly Maximum	M&R Feet (ft)		Groundwater	MW1	Quarterly	VISUAL ^[2]
Water level relative to mean sea level ^[3]	Quarterly Maximum	M&R Feet (ft)		Groundwater	MW1	Quarterly	CALCTD
Solids, total dissolved	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Chloride (as Cl)	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Nitrogen, total	Quarterly Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater samples shall be taken only after purging at least three (3) well volumes of groundwater from the monitoring well.
2. Field measurement
3. Groundwater elevation above mean sea level (AMSL)

Groundwater Monitoring Wells Table for Sample Location Mw2 (Monitoring Well Mw-2) To Be Reported Quarterly^[1]

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Quarterly Maximum	M&R Feet (ft)		Groundwater	MW2	Quarterly	VISUAL ^[2]
Solids, total dissolved	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Chloride (as Cl)	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Nitrogen, total	Quarterly Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Water level relative to mean sea level ^[3]	Quarterly Maximum	M&R Feet (ft)		Groundwater	MW2	Quarterly	CALCTD

Notes (Groundwater Monitoring Wells Table):

1. Groundwater samples shall be taken only after purging at least three (3) well volumes of groundwater from the monitoring well.
2. Field measurement
3. Groundwater elevation AMSL

Rationale for Permit Requirements:

The permit requirements have been established to assess the level of treatment being provided, to determine when the design capacity is being approached, and to prevent degradation of the groundwater underlying the facility.

Special Conditions:

Substantial compliance with the current permit is a condition of permit renewal.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Flow:

The permit requires monitoring and reporting of the daily maximum influent flow rate. The 30-day average influent flow rate is limited to 0.04 Million Gallons per Day (MGD).

Corrective Action Sites:

There are no Bureau of Corrective Actions remediation sites located within one mile of the facility.

Wellhead Protection Program:

The facility is located within a Source Water Protection Area; however, the discharge will occur downgradient and will have no effect on source water.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit an updated Operation and Maintenance (O&M) Manual to the Division. The O&M Manual shall be prepared in accordance with guidance document <i>WTS-2: Minimum Information Required for an Operation and Maintenance Manual for a Wastewater Treatment Plant</i> . If the Permittee determines that no updates to the O&M Manual are necessary, the Permittee shall submit, in lieu of an updated O&M Manual, a letter to the Division stating that no changes to the existing O&M Manual have been made.	4/28/2017
2	Within 1 year of permit issuance, all Discharge Monitoring Reports shall be submitted electronically through the Nevada NetDMR website (https://netdmr.ndep.nv.gov/netdmr/public/home.htm).	1/1/2018

Deliverable Schedule:

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Discharge Monitoring Report	Quarterly	4/28/2017
2	Annual Report	Annually	1/28/2018

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review Journal, Pahrump Valley Times** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **12/19/2016** , a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX 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 determined to be appropriate. All public hearings must be conducted to 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 / re-issue the proposed 5-year permit.

Prepared by: **Bonnie Hartley**

Date: **11/10/2016**

Title: **Environmental Scientist**