



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: JETT GAMING LLC
5195 LAS VEGAS BLVD SO
LAS VEGAS, NV - 89119

Permit Number: NS0087006

Location: GOLD STRIKE HOTEL AND GAMBLING HALL, CLARK
1 MAIN ST., JEAN, NV - 89019
LATITUDE: 35.776389, LONGITUDE: -115.320556
TOWNSHIP: T25S, RANGE: R59E, SECTION: S14

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	FLOW	Internal Outfall		JEAN	NV	89019	CLARK	35.778130	-115.328930	GROUNDWATER OF THE STATE
002	EFFLUENT	Internal Outfall		JEAN	NV	89019	CLARK	35.778130	-115.328930	GROUNDWATER OF THE STATE
003	RAPID INFILTRATION BASINS (RIBS)	External Outfall		JEAN	NV	89019	CLARK	35.778130	-115.328930	GROUNDWATER OF THE STATE
004	LANDSCAPE IRRIGATION	External Outfall		JEAN	NV	89019	CLARK	35.778130	-115.328930	GROUNDWATER OF THE STATE
005	DUST CONTROL	External Outfall		JEAN	NV	89019	CLARK	35.778130	-115.328930	GROUNDWATER OF THE STATE

General:

Jett Gaming, LLC (Jett) has applied for the renewal of groundwater discharge permit NS0089006. Jett Gaming owns and operates the Gold Strike Hotel and Gambling Hall. The wastewater treatment plant (WWTP) and rapid infiltration basins (RIBs) associated with this facility are located on Jean Prison Rd., mid-way between the airport and prison in Jean. The WWTP receives domestic (sanitary) wastewater, which is generated by the Gold Strike Hotel & Casino (800 rooms), Chevron Gas Station, Nevada Highway Patrol Substation, and a personnel building for the Jean Development Company. The WWTP also receives treated effluent from the Southern Nevada Correctional Center & Jean Conservation camp for further treatment prior to discharge under this permit.

The WWTP is an extended aeration package treatment plant manufactured by Marolf Inc. (Marwood). The activated sludge treatment process consists of aeration, clarification, and chlorination. Waste activated sludge is aerobically digested and then dried in sludge drying beds prior to off-site disposal. Treated effluent is discharged to two RIBs and is also used for irrigation and dust control. Reuse irrigation occurs via drip and spray irrigation. The irrigated landscaping consists of grass and ornamental trees grown around the entrance and parking areas of the hotel. Treated effluent is also supplied to construction companies for dust control purposes (i.e., road watering) at construction sites in the Jean area.

Discharge Characteristics:

The WWTP uses an activated sludge biological process followed by clarification and disinfection to meet secondary treatment standards. During the the current permit term there have been no exceedences to the permitted limits. This facility is considered to be in substantial compliance with the permit.

Receiving Water:

The receiving water is groundwater of the State. Data from potable water supply wells operated by the Las Vegas Valley Water District indicate the depth to groundwater in this area is approximately 365 ft. below ground surface. Based on the groundwater depth, this facility has not been required to install monitoring wells.

Summary of Changes From Previous Permit:

To maintain consistency with current NDEP policy and monitoring requirements of similar treatment facilities, the following permit changes have been made:

1. The permitted Outfalls have been re-designated as follows:

- 001 – Flow (Influent)
- 002 – Effluent
- 003 – Rapid Infiltration Basins (RIBs)
- 004 – Landscape Irrigation
- 005 – Dust Control

2. The requirement to monitor sewage influent for BOD and total suspended solids has been removed from this permit.

3. Removed the requirement to report re-use application volumes, as these are maintained as part of the Division reviewed Effluent Management Plan.

4. Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV87006 to NS0087006. This change does not reflect a change in the type of permit being issued.

Proposed Effluent Limitations:

The Division proposes the following permit limitations and monitoring requirements:

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

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 0.650 Million Gallons per Day (Mgal/d)		Internal Monitoring Point	001	Continuous	METER
Flow rate	30 Day Average	<= 0.60 Million Gallons per Day (Mgal/d)		Internal Monitoring Point	001	Continuous	METER

WWTP Discharge Limitations Table for Sample Location 002 (Effluent) To Be Reported Monthly^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH, minimum	Monthly Minimum		>= 6.0 Standard Units (SU)	Effluent Gross	002	Monthly	DISCRT
pH, maximum	Monthly Maximum		<= 9.0 Standard Units (SU)	Effluent Gross	002	Monthly	DISCRT
Solids, total suspended	30 Day Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
Solids, total suspended	Daily Maximum		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
Nitrogen, total	Value ^[2]		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
BOD, 5-day	30 Day Average		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
BOD, 5-day	Daily Maximum		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS

Notes (WWTP Discharge Limitations Table):

1. If only one sample is taken during the monitoring period, enter the result as both the 30-day average and daily max or the monthly minimum and monthly maximum.
2. Total Nitrogen shall be calculated in pounds per day (lbs/day) and reported in mg/L. Total pounds of nitrogen discharged shall not exceed 50 lbs. per day.

Re-use Discharge Limitations Table for Sample Location 004 (Landscape Irrigation) To Be Reported Monthly^{[1][2]}

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal, colony forming units	30 Day Average		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Irrigation	004	Monthly	DISCRT
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Irrigation	004	Continuous	METER
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Irrigation	004	Continuous	METER
Coliform, fecal, colony forming units	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Irrigation	004	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. If only one sample is taken during the monitoring period, enter the result as both the 30-day average and daily maximum.
2. If there is no discharge from this outfall during the reporting period, enter "No Discharge" on the Discharge Monitoring Report for this outfall.

Re-use Discharge Limitations Table for Sample Location 005 (Dust Control) To Be Reported Monthly^{[1][2]}

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	005	Continuous	METER
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	005	Continuous	METER
Coliform, fecal, colony forming units	30 Day Average		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	005	Continuous	DISCRT
Coliform, fecal, colony forming units	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	005	Continuous	DISCRT

Notes (Re-use Discharge Limitations Table):

1. If there is no discharge from this outfall during the reporting period, enter "No Discharge" on the Discharge Monitoring Report for this outfall.
2. If only one sample is taken during the monitoring period, enter the result as both the 30-day average and daily maximum.

Ponds / Rapid Infiltration Basins for Sample Location 003 (Rapid Infiltration Basins) To Be Reported Monthly^[1]

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	003	Continuous	METER
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	003	Continuous	METER

Notes (Ponds / Rapid Infiltration Basins):

1. If there is no discharge to the RIBs during the reporting period, enter "No Discharge" on the Discharge Monitoring Report for this outfall.

Rationale for Permit Requirements:

Monitoring is required to ensure the protection of public health and quality of the groundwaters of the State by assessing the quality of treatment being provided and to determine when design capacity is being approached.

Fecal Coliform:

NAC 445A.2764 Reuse Category B, requires treated effluent to meet a 30-day geometric mean of ≤ 2.2 cfu/100 mL and a daily maximum of ≤ 23 cfu/100 mL.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	<p>Total Nitrogen shall be calculated in pounds per day (lbs/day) and reported in mg/L. Total pounds of nitrogen discharged shall not exceed 50 lbs. per day.</p> <p>50 lbs./day limitation is based on 600,000 gpd flow with a concentration of 10 mg/L.</p>

Flow:

The Division-Approved flow limit for this facility is specified as 0.60 MGD. Because no domestic residential wastewater is treated at this facility, the influent flow rate varies according to fluctuations in seasonal tourism traffic with peak periods occurring on weekends and holidays.

Corrective Action Sites:

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

Wellhead Protection Program:

This facility is not located within a Drinking Water Protection Area or Wellhead Protection Area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of an updated Operations and Maintenance (O&M) Manual for review by the Division. The O&M Manual shall be prepared in accordance with the Division's WTS-2 guidance: Minimum Information Required for an Operations and Maintenance Manual. O&M Manuals prepared by Nevada Registered P.E, must be signed and stamped in accordance with NAC 625.610. If there are no changes to current O&M manual a letter indicating such shall be submitted by the indicated due date.	5/31/2016
2	The Permittee shall submit two (2) copies of an updated Effluent Management Plan (EMP), prepared in accordance with the Division's WTS-1B guidance: General Criteria for Preparing an Effluent Management Plan. EMPs must be prepared by a Nevada Registered P.E., signed and stamped in accordance with NAC 625.610. If there are no changes to current EMP a letter indicating such shall be submitted by the indicated due date.	5/31/2016

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	7/28/2016
2	Annual Report	Annually	1/28/2017

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** 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. **2/10/2016**, 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: **Michele Reid**

Date: **12/28/2015**

Title: **Staff II Associate Engineer**