



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: BEAR'S BEST LAS VEGAS
11111 W FLAMINGO RD
LAS VEGAS, NV - 89135

Permit Number: NS2002515

Location: BEAR'S BEST LAS VEGAS GOLF COURSE, CLARK
11111 WEST FLAMINGO ROAD, LAS VEGAS, NV - 89135
LATITUDE: 36.119970, LONGITUDE: -115.335050
TOWNSHIP: T21S, 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	GOLF COURSE	External Outfall		LAS VEGAS	NV	89135	CLARK	36.121111	-115.337222	GROUNDWATER

General:

The Bear's Best Las Vegas Golf Course is an 18-hole golf course located on 196.02 acres at 11111 West Flamingo Road, Las Vegas, Clark County, Nevada 89135. The Desert Breeze Water Resource Center (DBWRC) facility owned by the Clark County Water Reclamation District (CCWRD) supplies tertiary treated effluent to the golf course for the spray irrigation of 100 acres of golf course turf and drip irrigation of 96 acres of scattered desert landscape and shrubs. Irrigation using treated effluent is conducted in accordance with an Effluent Management Plan (EMP) submitted to and approved by the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC).

Discharge Characteristics:

Water used for reuse irrigation is tertiary-treated, nitrified, and disinfected wastewater from the DBWRC wastewater treatment facility (NAC 445A.276, Reuse Category A). The water is blended in the effluent lake at Bear's Best Las Vegas Golf Course with potable water provided and managed by the Las Vegas Valley Water District (LVVWD) to attain the adequate volume of water required for the golf course. The relative percentages of potable and reclaimed water vary with the seasonal irrigation demand. The lakes have ultraviolet ozonation aeration systems installed to provide a minimum of 20 turnovers of the lakes in a 24-hour period to maintain clarity and water quality.

Receiving Water:

Treated effluent used for irrigation discharges to groundwater via percolation. Groundwater in the vicinity of the golf course is approximately 800 feet below ground surface. Groundwater is reported to flow to the east-southeast. The deep aquifer meets drinking water standards. Due to the depth to groundwater, monitoring wells at the golf course are not required.

Summary of Changes From Previous Permit:

Due to the new naming conventions at NDEP, Bureau of Water Pollution Control, the permit

ID number has been changed from NEV2002515 to NS2002515. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for discharges to groundwater of the State of Nevada. These are not to be confused with "NV" permits which are reserved for NPDES permitting.

The Permittee is no longer required to report the monthly total Kjeldahl nitrogen, the monthly total oxidized nitrogen, the monthly ammonia, or the annual total nitrogen load, as the nitrogen balance is addressed in the Division-approved Effluent Management Plan (EMP), to which the Permittee must adhere (the total nitrogen in effluent reuse water is still reported).

The Permittee is no longer required to submit an annual report to the Bureau of Water Pollution Control (BWPC) that documents the plan for complying with cross-connection control requirements of the local water purveyor and health agency.

Proposed Effluent Limitations:

During the period beginning on the effective date of this permit and lasting until the permit expires, the Permittee is authorized to discharge reclaimed water from the Desert Breeze Water Resource Center, Permit Number NS2001509, for reuse irrigation at the Bear's Best Las Vegas Golf Course.

Re-use Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Monthly^[1]

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, total general	30 Day Average		M&R Colony Forming Units per 100ml T (CFU/100mL)	Effluent Gross	001	Weekly	DISCRT
Coliform, total general	Daily Maximum		M&R Colony Forming Units per 100ml T (CFU/100mL)	Effluent Gross	001	Weekly	DISCRT
Flow rate	Daily Maximum	<= 3.0 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	30 Day Average	<= 1.43 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Nitrogen, total	Monthly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT
Nitrogen, total	Monthly Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

- Sample results may be obtained from the Desert Breeze Water Resource Center (permit NS2001509) and the Las Vegas Valley Water District, and be reported by the Permittee.

Rationale for Permit Requirements:

Monitoring of the reuse water is required to assess the level of treatment being provided by the DBWRC, to assess the quality of blended water delivered to the golf course property, to assess the management of the reuse water, and to protect the quality of local groundwater.

Fecal Coliform:

Special Conditions:

See Special Approvals/Conditions Table.

SA – Special Approvals / Conditions Table

Item #	Description
1	Within 60 days of permit issuance, the Permittee shall submit two (2) copies of an Effluent Management Plan (EMP) for review and approval by the Division. The EMP shall be compiled in accordance with appropriate sections of WTS-1B, "General Design Criteria for Preparing an Effluent Management Plan". The EMP shall be prepared and stamped by a Nevada Registered Professional Engineer with comprehensive knowledge of the project.
2	Permit sections C.2. and C.13. do not apply to this permit.

Flow:

Flow is limited to a 30-day average flow of 1.43 MGD and a daily maximum flow of 3.00 MGD.

Flows are measured at the reclaimed and the potable water metering vaults via six-inch magnetic flow meters. The blend of reclaimed and potable water is approximately 50-50.

Corrective Action Sites:

There are no Bureau of Corrective Actions (BCA) remediation sites located within one (1) mile of this facility.

Wellhead Protection Program:

This facility is not located within a drinking water protection area, nor is it located within a wellhead protection area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Two (2) copies of an updated EMP, prepared by a Nevada licensed professional engineer or other qualified person, shall be submitted to the Division for approval.	5/1/2014

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Discharge Monitoring Reports	Quarterly	4/28/2014
2	Annual Report	Annually	1/28/2015

Procedures for Public Comment:

The Notice of the Division's intent to reissue 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. **1/30/2014**, 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.650.

Proposed Determination:

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Briana Johnson**

Date: **12/26/2013**

Title: **Environmental Scientist**