



**FACTSHEET**  
**(pursuant to NAC 445A.236)**

**Permittee Name:** PAR 4 AT BADLANDS GOLF CLUB LLC  
9119 ALTA DRIVE  
LAS VEGAS, NV - 89145

**Permit Number:** NS0099004

**Location:** BADLANDS GOLF COURSE, CLARK  
9119 ALTA DRIVE, LAS VEGAS, NV - 89145  
LATITUDE: 36.1663, LONGITUDE: -115.2953  
TOWNSHIP: 20 S, RANGE: 60 E, SECTION: 32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	RECLAIMED WATER	Land Application Site		LAS VEGAS	NV	89145	CLARK	36.1663	-115.2953	GROUNDWATER

**General:**

This is a renewal of the discharge permit for the Badlands Golf Club, operated by Par 4 at Badlands Golf Club LLC, located at 9119 Alta Drive, Las Vegas, Clark County, Nevada. This facility has one 9-hole short course, and one regulation 18-hole course, and covers approximately 200 acres. The Badlands Golf Club receives tertiary treated and disinfected effluent from the Durango Hills Water Resource Center wastewater treatment facility (DHWRC-WWTF, Permit NS0098005). The facility uses two reservoirs, fed by a treated effluent supply line, for storage of irrigation water. The DHWRC-WWTF treated effluent is blended with well water to provide the course with the volume of water required to meet irrigation demand. The relative percentages of well water and treated effluent vary with seasonal irrigation demand. The treated effluent irrigation is done in accordance with an approved Effluent Management Plan (EMP) and the terms and conditions of the permit.

**Discharge Characteristics:**

Badlands Golf Club uses high-quality disinfected treated effluent from DHWRC to irrigate the golf course. The 30-day geometric mean of total coliform requirement is set at 2.2 colony forming units (CFU), or the most probable number (MPN)/100mL of total coliform. This is Category A reuse water and, in accordance with NAC 445A.2762, a buffer zone and control of public access are not required.

**Receiving Water:**

The receiving water is groundwaters of the State. Depth to groundwater is 515 feet. There are no monitoring wells at this facility due to the depth to groundwater.

**Summary of Changes From Previous Permit:**

There are no substantive changes from the previous permit. Due to the new naming conventions at the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC), the permit number has been changed from NEV99004 to NS0099004. This change does not reflect a change in the type of permit being issued.

The BWPC Nevada NetDMR System is a web based site that allows for electronic submission of Discharge

Monitoring Reports (DMRs). Nevada NetDMR enables the permittee the ability to enter and electronically submit DMR data. 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. All DMRs shall be submitted electronically through the Nevada NetDMR website: <https://netdmr.ndep.nv.gov/netdmr/public/home.htm>.

**Proposed Effluent Limitations:**

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

### Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general <sup>[1]</sup>	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Weekly	DISCRT
Coliform, fecal general <sup>[1]</sup>	Monthly Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Weekly	DISCRT
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Flow rate	30 Day Average	<= 1.2 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER

#### Notes (Re-use Discharge Limitations Table):

1. Sample results may be obtained from NS0098005 and reported by the Permittee

**Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Annually**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Annual Total	<= 475 Pounds per Year (lb/yr) <sup>[1]</sup>		Prior to Reuse	001	Annual	CALCTD

Notes (Re-use Discharge Limitations Table):

1. Pounds/acre/year.

**Rationale for Permit Requirements:**

The limitations and monitoring requirements are intended to provide for appropriate reuse of treated effluent, to minimize the possibility of adverse impact to ground waters of the State, and to alert those persons who might have contact with treated effluent to its presence at the facility.

**Fecal Coliform:**

2.2 CFU or MPN/100 ml - 30-Day Geometric Mean

23 CFU or MPN/100 ml - Maximum Daily Number

**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
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**Flow:**

The permitted 30-day average flow is 1.20 million gallons per day (MGD), which is the maximum anticipated amount for the hot summer months. The annual average usage will be approximately 0.71 MGD, due to lower usage in the cooler months. The permitted effluent reuse is relatively low for a club of this size due to the use of potable and/or well water as needed.

**Corrective Action Sites:**

There are no Bureau of Corrective Actions sites located within a one-mile radius of the golf course.

**Wellhead Protection Program:**

The golf course is not located within a wellhead protections area or a drinking water protection area.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies of a revised Effluent Management Plan (EMP) for NDEP's review wet-stamped by a Nevada Professional Engineer that follows the requirements listed in Guidance Document WTS-1B: General Criteria for preparing an Effluent Management Plan. If there are minor revisions (e.g. number of acres irrigated or contact changes), the Permittee shall submit the changes in writing to NDEP. If there are no changes, the Permittee shall submit a letter stating there are no changes.	10/3/2016
2	All Discharge Monitoring Reports (DMRs) shall be submitted electronically through the Nevada NetDMR website: <a href="https://netdmr.ndep.nv.gov/netdmr/public/home.htm">https://netdmr.ndep.nv.gov/netdmr/public/home.htm</a> .	7/1/2017

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	10/28/2016
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. **6/24/2016**, 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: **Nathan Smith**

Date: **5/19/2016**

Title: **Staff Engineer 2**