



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

**Permittee Name:** NEVADA DRAGONRIDGE LLC  
29 GRAND MEDITERRA BLVD  
HENDERSON, NV - 89011

**Permit Number:** NS0097007

**Location:** DRAGONRIDGE COUNTRY CLUB - GOLF CLUB, CLARK  
1530 FOOTHILLS VILLAGE DRIVE, HENDERSON, NV - 89011  
LATITUDE: 36.013889, LONGITUDE: -115.0625  
TOWNSHIP: 22 S, RANGE: 62 E, SECTION: 26, 27 & 28

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	Land Application Site		HENDERSON	NV	89012	CLARK	36.013889	-115.0625	GROUNDWATER

**General:**

The Permittee, Nevada DragonRidge LLC, has applied for a renewal for the DragonRidge Country Club Golf Course (DRCC). The DRCC is an 18-hole course located at 1530 Foothills Village Drive in Henderson. DRCC has approximately 136 acres of golf course fairways and perimeter landscaping available for reuse which are irrigated year-round with reclaimed water via spray and drip. The facility has an upper reservoir (Lake #1) that receives the reclaimed water. The reclaimed water then flows over a control weir into two lower lakes (Lakes #2 and #3) where it is pumped to irrigate the golf course. The reclaimed water transmission connection point is located at the intersection of Valle Verde Road and Horizon Ridge Parkway. A separate potable water system is used to irrigate the greens. Irrigation is normally done at night when there are no players on the course. Application of reuse water is via spray irrigation in accordance with the Effluent Management Plan and as required by the permit.

**Discharge Characteristics:**

DRCC receives tertiary-treated and disinfected effluent (reclaimed water) from the Kurt R. Segler Water Reclamation Facility (KRSWRF) (Permit No. NS0080003), and uses it to irrigate turf grass and landscaped areas. The KRSWRF provides reclaimed water that meets Category B quality (NAC 445A.276) and is denitrified.

**Receiving Water:**

Discharge is to groundwater of the State. Depth to groundwater in the area is between 325 feet and 375 feet. No adverse effects are expected to occur as a result of this effluent reuse. Due to the depth to groundwater, monitoring wells are not required.

**Summary of Changes From Previous Permit:**

Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, the Nevada DragonRidge LLC permit ID has been changed from NEV97007 to NS0097007. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for groundwater discharges to the State of Nevada.

Total Nitrogen has been added to the monitoring requirements to remain consistent with NDEP policy and requirements.

**Proposed Effluent Limitations:**

The discharge shall be limited 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
Nitrogen, total <sup>[1]</sup>	Monthly Maximum		M&R Milligrams per Liter (mg/L)	Prior to Irrigation	001	Monthly	CALCTD
Flow rate	Daily Maximum	<= 1.3 Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Flow rate	30 Day Average	<= 1.3 Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Coliform, fecal general <sup>[1]</sup>	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) <sup>[2]</sup>	Prior to Irrigation	001	Weekly	DISCRT
Coliform, fecal general <sup>[1]</sup>	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) <sup>[2]</sup>	Prior to Irrigation	001	Weekly	DISCRT

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

1. Sample results may be obtained from permit NS0080003 and reported by Permittee.
2. CFU or MPN/100 ml.

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

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Annual Total	M&R Pounds per Year (lb/yr)		Prior to Irrigation	001	Annual	CALCTD

**Rationale for Permit Requirements:**

Reclaimed water monitoring is required to determine the level of treatment being provided by the KRSWRF, to assess the management of recycled water usage and to protect the local groundwater quality. Fecal coliform monitoring assesses the quality of reclaimed water being applied and for the protection of human health and the environment.

**Fecal Coliform:**

2.2 CFU or MPN/100 ml - 30-day geometric mean.

23 CFU or MPN/100 ml - daily maximum.

**Special Conditions:**

The Permittee shall be in substantial compliance upon issuance of the permit.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items
---

**Flow:**

The 30-day average flow rate may not exceed 1.3 MGD.

**Corrective Action Sites:**

There are no Bureau of Corrective Action remediation sites located within a one-mile radius from the center-point of the property.

**Wellhead Protection Program:**

The DragonRidge Country Club-Golf Course is not located within a Drinking Water Protection Area or a Wellhead Protection Area.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	<p>The Permittee shall provide the Division with two (2) updated Effluent Management Plans (EMP). The submitted EMP shall address any changes in the operations procedures, or equipment used at the permitted facility. The Permittee shall not reuse treated effluent prior to having an EMP, pursuant to NAC 445A.275. The EMP shall be prepared and wet-stamped by a Nevada Registered Professional Engineer with comprehensive knowledge of the project.</p> <p>Alternatively, the Permittee may submit a letter to the Division indicating that there have been no changes to the EMP, and that the operations are still valid for the Permittees managed reclaimed water use site.</p>	1/1/2016

**Deliverable Schedule:**

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

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

**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. **9/29/2015**, 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: **Alan Pineda**

Date: **8/27/2015**

Title: **Staff I Associate Engineer**