



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

**Permittee Name:** DISCOVERY PROPERTY COMPANY, LLC  
1980 FESTIVAL PLAZA DRIVE, SUITE 480  
LAS VEGAS, NV - 89135

**Permit Number:** NS2016511

**Location:** THE SUMMIT CLUB, CLARK  
4437 S. TOWN CENTER DR., LAS VEGAS, NV - 89135  
LATITUDE: 36.109170, LONGITUDE: -115.3294  
TOWNSHIP: 21, RANGE: 59, SECTION: 23

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	36.109170	-115.3294	GROUNDWATER

**General:**

The Summit Club is an 18-hole golf course that uses Category A tertiary-treated and disinfected reclaimed water from the Desert Breeze Water Resource Center (DBWRC) (Permit NS2001509) to irrigate approximately 100 acres of fairways, tee boxes and common area landscaping. The golf course has a storage pond for the irrigation water along with two ornamental ponds on the course. A pump station located next to the storage ponds delivers reclaimed water to the sprinkler system. Water can be recirculated between the storage pond and the upper ornamental pond to prevent stagnation. Aerators in the pond also prevent the ponds from becoming stagnant. The reclaimed water irrigation is done in accordance with the approved Effluent Management Plan (EMP) and the terms and conditions of the permit.

**Discharge Characteristics:**

The Summit Club uses high-quality disinfected reclaimed water from DBWRC to irrigate the golf course. The 30-day average total coliform requirement is set at 2.2 colony forming units (CFU), or the most probable number (MPN)/100 mL of total coliform. This is Category A reclaimed water and, in accordance with NAC 445A.277, a buffer zone and control of public access are not required.

**Receiving Water:**

The receiving water is groundwater of the State. Groundwater in the vicinity of the course is estimated to be at 500 to 700 feet below ground surface, as reported in a previous EMP, and by measurements taken at the Las Vegas Valley Water District Well #093. Groundwater flow direction is reported to be southeast. There are no monitoring wells required at this facility due to the depth to groundwater.

**Summary of Changes From Previous Permit:**

This is a new permit so there have been no changes from a previous permit.

**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 (Golf Course) To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	<= 1.70 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Flow rate	Daily Maximum	<= 1.70 Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Coliform, total general <sup>[1]</sup>	30 Day Average		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Daily	DISCRT
Coliform, total general <sup>[1]</sup>	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Daily	DISCRT

Notes (Re-use Discharge Limitations Table):

1. The Permittee shall report total coliform results obtained from DBWRC.

**Re-use Discharge Limitations Table for Sample Location 001 (Golf Course) To Be Reported Annually**

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

**Rationale for Permit Requirements:**

Monitoring is required to ensure that groundwaters of the State of Nevada are not degraded. Monitoring is also required to assess the level of treatment being provided, and to determine compliance with discharge permit limits.

**Fecal Coliform:**

2.2 CFU MPN/100 mL Total Coliform - 30-day average  
23 CFU MPN/100 mL Total Coliform - Daily maximum

**Special Conditions:**

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items
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**Flow:**

1.7 MGD 30-day average and maximum day flow.

**Corrective Action Sites:**

There are no Bureau of Corrective Actions remediation sites located within a one-mile radius of the reclaimed water site.

**Wellhead Protection Program:**

There are several public water supply wells located near the golf course which puts the reuse site within 3,000-foot radius Drinking Water Protection Areas for those wells. Discharges in accordance with the proposed permit are not anticipated to negatively impact these wells.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies of a new Effluent Management Plan (EMP) for NDEP's review that has been wet-stamped by a Nevada Professional Engineer that follows the requirements listed in Guidance Document WTS-1B: <i>General Criteria for Preparing an Effluent Management Plan</i> .	11/1/2016
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> .	8/1/2016

**Deliverable Schedule:**

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

No records in Deliverable Schedule for Reports, Plans, and Other Submittals table

**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. **7/13/2016**, 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: **Steve McGoff, P.E.**

Date: **5/9/2016**

Title: **Professional Engineer**