

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION**

**FACT SHEET**  
(pursuant to NAC 445A.236)

**Permittee Name:** Sun City MacDonald Ranch Community Association, Inc.  
2020 West Horizon Ridge Parkway  
Henderson, Nevada 89012

**Permit Number:** NEV95038

**Description of Discharge**

**Location:** Desert Willow Golf Course  
2048 High Mesa Drive  
Henderson, Clark County, Nevada 89012

Latitude: 36E 00' 39"N.; Longitude: 115E 04' 14"W.

Sections 29, 32, T. 22S., R. 62E. MDB&M

**Characteristics:** The City of Henderson Water Reclamation Facility (COHWRF) supplies tertiary treated, denitrified, disinfected effluent for reuse irrigation at the Desert Willow Golf Course. The treated effluent is used for spray irrigation of golf course turf grasses and for landscape drip irrigation for trees and other plant materials proximal to the golf course. All reuse activities are conducted in accordance with the approved Effluent Management Plan and permit conditions.

**Flow:** The applicant has applied for 1.4 MGD Daily Maximum Flow to meet actual irrigation demands. The permit requires the reuse water quantity to be monitored and reported. The maximum monthly flow is based upon the highest usage month determined from the consumptive use balance plus a 10% allowance, in accordance with the approved Effluent Management Plan. The annual application volume is limited to 700 acre feet per year.

**Fecal Coliform:**

Fecal Coliform:\* 2.2 CFU/MPN/100 ml 30 day average CFU = Colony Forming Unit 23  
CFU/MPN/100 ml daily max. MPN = Most Probable Number, ml = Milliliter

\* Sample results are obtained from COHWRF (# NEV80003)

**FACT SHEET**  
**#NEV95038**  
**Page 2**

**General:** *The applicant reuses tertiary treated, denitrified and disinfected effluent supplied by the City of Henderson Water Reclamation Facility. The facility provides reclaimed water that meets Category B quality per NAC 445A.276, and is denitrified below 10 mg/l N.*

**Receiving Water Characteristics:** *The applicant, as specified in the Effluent Management Plan (EMP), must ensure that the water is applied at the consumptive rate, so that water will not affect groundwater. The two effluent storage lakes have synthetic liners. Lake water is further disinfected and aerated via an UV-ozonation system. Effluent is denitrified, and no adverse effects are expected to occur as a result of this effluent reuse. Groundwater is in excess of 300' and potable.*

**Procedures for Public Comment:**

*The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, and EMP is being sent to the **Las Vegas Review-Journal and Henderson Home News** 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 or by FAX for a period of 30 days following the date of the publication of the public notice. All comments must be received by September 30, 2007. 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 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 reissue the proposed permit for a period of five (5) years.*

**Schedule of Compliance:**

*Any revisions (e.g. staff changes) to the Effluent Management Plan (EMP) shall be submitted to the Division within 30 days of permit issuance.*

*Cross-Connection control documentation approved by the City of Henderson Utility Services Division and required by this permit shall be submitted annually with the 4<sup>th</sup> Quarter Report.*

*There are no special conditions.*

**Rationale for Permit Requirements:**

*Required parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A.275, 445A.276 and groundwaters of the State are protected.*

*Prepared by: Icyl C. Mulligan  
June 2007  
August 2007*