

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: Washoe County Department of Water Resources
Utility Services Division
4930 Energy Way
Reno, Nevada 89520-0027

Permit Number: NEV96005

Description of Discharge

Site Locations:

- #1 South Meadows Business Park/Double Diamond Homes Development streetscapes;
- #2 Damonte Ranch common areas, streetscapes, parks, Damonte Ranch High School;
- #3 Double Diamond common areas, parks, elementary school, and middle school;
- #4 Damonte Ranch truck fill station, construction and dust control uses at approved sites;
- #5 Future reuse sites, subject to Division approval.

Washoe County, Nevada

Latitude: 39° 24 - 27' 00 - 57"N ; Longitude: 119° 27 - 50' 00 - 30"W Ranges

T. 17N., R. 18E., Sections 1,2, 11-14, 22-25;
T. 17N., R 19E., Sections 1 - 20, 21, 22, 30
T. 17N., R. 20E., Sections 4-7, 18.;
T. 18N., R. 18E., Sections 13-15, 22-26, 35, 36
T. 18N., R. 19E., Sections 3, 4, 9, 10, 13
T. 18N., R. 20E., Sections 7 and 8, 17-21, 28-33 MDB&M

These sites are within drinking water protection areas and wellhead protection areas.

Characteristics: The permit is for the discharge of Class A, denitrified, treated effluent for use in the irrigation of open space and landscape planting materials at the South Meadows Business Park, Double Diamond Homes streetscapes and common areas, and at other named approved sites and uses covered under this permit in Reno, Nevada. The permits for the Double Diamond area/South Meadows Business Park reuse sites (NEV96005 - originally issued December 21, 2001) and the reuse sites for Damonte Ranch areas (NEV2003512 - originally issued January 26, 2004) are being combined under permit number NEV96005 with this renewal. The Permittee proposes to continue oversight of effluent irrigation at all sites currently identified, and for future Division approved sites. The permit covers a reuse area which is located east of US. Highway 395, and south of the South Truckee Meadows Water Reclamation Facility (NEV40024). Reuse in the permitted area is a combination of drip and spray irrigation. Annual reclaimed water usage for the entire area is estimated to be around 1800 acre-feet per year(AF/YR). Irrigation is mostly seasonal and weather dependent.

Flow: May not exceed 5.0 MGD 30-Day average

Quantities: Annual application volume is 1800 acre feet per year(AF/YR) for all combined

sites covered under this permit.

General: Domestic wastewater is denitrified, disinfected and treated to tertiary standards at the South Truckee Meadows Water Reclamation Facility and is routed to the existing reuse sites at South Meadows Business Park, the Double Diamond development and Damonte Ranch development common areas, streetscapes, schools and parks for landscape irrigation, and the Damonte Ranch truck fill facility for construction and dust control reuses. Application will be by drip and spray irrigation. The permit is for a five (5) year period.

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Receiving Water Characteristics: The receiving waters are the groundwaters underlying the reuse sites. The shallow groundwater aquifer is dominated by infiltration from irrigation and recharge from precipitation and seasonal runoff from snowmelt from contributing Thomas and White's Creek watersheds that drain to the valley floor and to the wetland areas of the South Truckee Meadows. The shallow aquifer fluctuates seasonally and overlies confining layers that restrict movement into the deeper horizons. This shallow aquifer is of poor quality and is not used for drinking water.

Procedures for Public Comment:

The notice of the Division's intent to reissue this permit authorizing the use of treated effluent for landscape and open space irrigation is subject to the conditions contained within the permit, is being sent to the **Reno Gazette-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 for a period of 30 days following the date of the public notice, by April 17, 2008. 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 U.S. 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 scheduled by the Administrator must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines 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 Effluent Limitations, and Schedule of Compliance

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

TABLE I.1

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	30-Day Average (Seasonal)	Monthly Maximum (seasonal)	Measurement Frequency	Sample Type
Flow Million Gallons per Month (MGM)	Monitor & Report	Monitor & Report	Continuous	Flow meter
Annual Application Volume:	1800 Acre-Feet/Year		Cumulative	Flow Meter
Total Coliform ¹ :	2.2 (CFU/MPN)/100 ml	23 (CFU/MPN) 100 ml	Weekly	Discrete

1 Sample results to be obtained from NEV40024 and reported by Permittee.

Schedule of Compliance:

- a. The Permittee shall achieve compliance with the effluent flow monitoring requirements upon issuance of the permit.
- b. A revised Effluent Management Plan (EMP) shall be submitted to the Division within 90 days of permit issuance and submitted to the Compliance Coordinator at the address listed in the permit.
- c. **For continued effluent reuse, the Permittee shall submit the cross-connection control documentation as required by Part I.B.10. This documentation shall be submitted annually, due with the 4th Quarter Report. The cross-connection control inspections, including the annual shut down tests for the permitted sites shall be conducted by an AWWA Certified Cross-Connection Control Specialist in conjunction with the Washoe County's Utility Services Department staff.**

Rationale for Permit Requirements

Monitoring is required to document the effluent quality being provided and to ensure application volumes are not exceeded.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit for a five (5) year period.

Prepared by: Icycl C. Mulligan
January, 2008
March ,2008

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