

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

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

Permit Number: NEV97011

Description of Discharge

Location: ArrowCreek Subdivision, ArrowCreek Parkway and Loop Road
Southwest Pointe Association Properties
Washoe County Parks: ArrowCreek Park and South Valley Sports
Complex
Fallen Leaf (17000 Wedge Parkway) and Mountain Gate Properties (400
Arrow Creek Parkway), Reno, Nevada 89511
Summit Sierra shopping complex US Hwy. 395 and SR 431(13925 S.
Virginia Street, Suite 212, Reno, Nevada 89511
Bishop Manogue High School, 110 Bishop Manogue Dr., Reno, Nevada
89511
Fisher Sand & Gravel, I-580 truck fill stations and construction water and
dust control reuses, off of SR 431, Reno, Nevada.
Washoe County Truck Fill Stations and other approved sites
Washoe County, Nevada
Latitude: 39E 24' 49"N; Longitude: 119E 48' 39"W
T. 18N., R. 19 E., portions of Sections 14, 23, 24 & 26 MDB&M

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

Characteristics: The permit is for the continued reuse of tertiary treated, denitrified, disinfected effluent supplied by the South Truckee Meadows Water Reclamation Facility (STMWRF- Permit No. NEV40024) for landscape and turf grass irrigation (drip and spray) of the above cited properties, and, for construction water and dust control uses from truck fill stations in southwest Reno, Nevada. The effluent is delivered by the County owned dedicated effluent export pipeline that distributes treated Class A effluent to the Field Creek storage reservoir at the County ArrowCreek property, and from there on to all permitted approved reuse sites covered by this permit. Reuse application is in accordance with the approved Effluent Management Plan.

Flow: 2.66 MGD 30-day average, 2000 Acre Feet per Year

Effluent Limitations:

Total Coliform*: Class A Effluent: 2.2 Cfu/Mpn/100 ml 30 day average
23 Cfu/Mpn/100 ml daily max.

* Sample results are obtained from STMWRF (# NEV40024)

Cfu = Colony Forming Unit . Mpn = Most Probable Number, MI = Milliliter

General: The applicant reuses tertiary treated, denitrified and disinfected effluent provided by the South Truckee Meadows Water Reclamation Facility for roadway median, common areas, Community Park and sports complex, Manogue High School property, Fallen Leaf and Mountain Gate apartment developments, Summit Sierra shopping development and other approved sites for landscape irrigation within the ArrowCreek West area. Reuse for construction uses and dust control is also allowed. Application is by drip and spray irrigation as restricted by the permit and the approved Effluent management Plan. Runoff from the reuse sites is prohibited. The permit is for a five (5) year period. The facility provides reclaimed water that meets Category A quality per NAC 445A.276, and is denitrified below 10 mg/l N.

Receiving Water Characteristics: The receiving water is the groundwater underlying the reuse sites. Groundwater in the area is 90' to 200' deep, and is of good quality, meeting Nevada State Drinking water standards. No adverse effects are expected to occur as a result of this mainly seasonal effluent reuse. Groundwater monitoring is conducted by the Permittee of the ArrowCreek Golf Courses (NEV97004) to ensure that groundwater mid and downgradient of the application areas is not degraded by the reuse application.

Procedures for Public Comment:

The notice of the Division's intent to reissue this permit authorizing the use of treated effluent for landscape, open space irrigation and other approved uses 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 Determination

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

Schedule of Compliance

1. **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 cluster sites shall be conducted by an AWWA Certified Cross-Connection Control Specialist in conjunction with the Washoe County=s Utility Services Department staff.

2.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.

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Rationale for Permit Requirements

Monitoring documentation is required to assess the level of treatment and the quality of the effluent being provided. Monitoring wells are required for the adjacent ArrowCreek golf courses to determine groundwater quality in the general area of the application sites.

Prepared by: Icyll C. Mulligan
January 2008
March 2008

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