



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Jim Gibbons, Governor

Allen Biaggi, Director

Leo M. Drozdoff, P.E., Administrator

NOTICE OF PROPOSED ACTION

Web posting 12/16/09

The Administrator, Division of Environmental Protection, Carson City, Nevada is issuing the following notice of proposed action under the Nevada Revised Statutes. The Administrator has received a complete application for the renewal of groundwater discharge permit **NEV91055** from the following applicant and facility:

**Mirage Hotel & Casino
3400 Las Vegas Boulevard South
Las Vegas, NV 89109**

The Mirage Hotel operates a treatment plant that treats groundwater with high Total Dissolved Solids (TDS) from a sump located just west of Las Vegas Boulevard and North of the Volcano water feature. The water is pumped from the sump into the water treatment plant where the water is passed through a multi-media filter and two carbon filters and then through a Reverse Osmosis treatment system. The reverse osmosis treatment plant is designed to treat high TDS laden water from 1700 to 2700 mg/L to less than 17 mg/L. A Supervisory Control and Data Acquisition (SCADA) system controls, monitors and runs the fully automated and flexible system, which can also feed water to the neighboring Treasure Island property. The reject water is disposed to the Clark County Water Reclamation district sewer system under terms of their pre-treatment program permit. The design flow for the facility is 0.084 MGD. The Mirage Hotel & Casino is limited by the permit to a 30-day average flow of 0.081 MGD. The average current daily flow is 0.029 MGD but may increase to 0.080 MGD depending on use and season. Fecal Coliform limits are 2.2/100 ml MPN/CFU 30-day average, and 23/100 ml MPN/CFU daily maximum. Disposal of treated groundwater (effluent) is to the ground waters of the State via land application for irrigation at both the Mirage and Treasure Island properties, and via evaporation in the water features at the two hotel properties; this reuse of water is in support of water conservation.

Persons wishing to comment on or object to the proposed determinations by the Administrator regarding permit issuance, or request a hearing pursuant to the Nevada Administrative Code, Water Pollution Control, should submit their comments or request, in writing, within thirty (30) days of the date of newspaper publication, hand-delivered or postmarked no later than 5:00 P.M. on **January 18, 2010**, either in person or by mail to:

**Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Water Pollution Control
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701**

Comments and/or hearing requests received via facsimile or e-mail before 5:00 P.M. **January 18, 2010** will also be accepted. All requests for hearings must indicate the interest of the person filing the request and the reason(s) why a hearing is warranted. All comments or objections received within the thirty (30) day comment period will be considered in the formulation of final determinations regarding the application. If written comments indicate a significant degree of public interest in the proposed permit, the Administrator shall hold a

This Document is for Electronic Distribution

public hearing. The public notice of such hearings will be issued not less than thirty (30) days prior to the public hearing date.

If no hearing is held and the determinations of the Administrator are substantially changed from the tentative determinations, the Administrator will give public notice of the revised determinations. Additional comments and objections will be considered at that time.

The application, proposed permit, comments received, and other information are on file and may be copied or copies may be obtained by writing to the above address or by contacting Michele Reid, Bureau of Water Pollution Control at (775) 687-9434, or at mreid@ndep.nv.gov. The office facsimile number is (775) 687-4684. This notice and the Fact Sheet for this facility are also available on the NDEP website at www.ndep.nv.gov/admin/public.htm.

Please bring the foregoing notice to the attention of all persons whom you know would be interested in this matter.

This Document is for Electronic Distribution