



# STATE OF NEVADA

Department of Conservation & Natural Resources

*Jim Gibbons, Governor*

*Allen Biaggi, Director*

DIVISION OF ENVIRONMENTAL PROTECTION

*Leo M. Drozdoff, P.E., Administrator*

## FACT SHEET

(Pursuant to NAC 445A.148)

**Permittee Name:** Republic Dumpco  
770 E Sahara Ave, Suite 4  
Las Vegas NV 89104

**Permit No.** NEV95010

**Facility:** Scale House and Maintenance Building Wastewater Systems  
Apex Regional Waste Management Center  
Apex, Clark County  
Latitude: 36° 22' 58" North  
Longitude: 114° 53' 00" West  
Township 18 South, Range 64 East, Sections 19 & 20

**Corrective Actions Sites:** There is no Bureau of Corrective Actions remediation site located within a one-mile radius of the permitted site.

**Wellhead Protection Area:** The permitted site is located approximately 5,500 feet from a non-transient, non-community potable water well placing it within a water supply well Drinking Water Protection Area.

**General:** This permit is for wastewater treatment and disposal systems serving the scale house and the maintenance building at the Apex Regional Waste Management Center in Clark County, consisting of a septic tank and leachfield system at each building, and a sand/oil separator and holding tank for vehicle wash water and indoor cleaning at the maintenance building.

The scale house septic tank has a volume of 1000 gal and the leachfield is sized for a flow of 1000 gpd. The plumbing fixtures that discharge to the septic tank consist of a toilet and lavatory sink. The maintenance building septic tank has a volume of 2500 gal and the leachfield is sized for a flow of 2250 gpd. The maintenance building has typical restroom, shower, kitchen fixtures, drinking fountains, and a janitorial sink that discharge to the septic tank. The septic systems at both buildings are restricted to domestic wastewater only.

The sand-oil separator and holding tank at the maintenance building were installed to treat and store wastewater resulting from washing vehicles in the building, and from washing down the floor. Drip pans are used under the vehicles as needed, and oils and

other fluids spilled to the floor are soaked up with absorbent and swept up prior to washing the floor with water. Water from the holding tank is then dispensed to water trucks and used for dust suppression within the lined portion of the landfill.

A drinking water treatment system has been installed to produce potable water from the onsite supply wells. The filtration, ion exchange (water softening), and reverse osmosis units produce waste streams that are discharged to the holding tank.

**Receiving Water Characteristics:** Apex supply well #5 is located nearby and the well log gave the static water level depth as 405 ft in 1996. A sample collected in August 2003 was analyzed for metals and volatile organics by EPA methods 6010 and 8260B, respectively, with the following results: barium 0.012 mg/l and vanadium 0.0090 mg/L. Volatiles were not detected with detection limits ranging from 5 to 25 µg/L. Other tests yielded a pH 7.50 standard units and total dissolved solids (TDS) of 1600 mg/L.

**Rational for Permit Requirements:** Disposal of other wastes to these systems is prohibited because they will not be sufficiently treated. Regular inspections of the septic tanks and pumping when necessary prevents the leachfields from being plugged by solids discharged from septic tanks. Limiting the dust control use to the lined areas of the landfill insures that any residual contamination passing through the sand/oil separator remains isolated from the environment. Recording the amount of water used for dust control is done to determine NDEP's fee category.

Table I.A.1 of the permit contains the monitoring requirements and is reprinted below.

Table I.A.1

Parameter	Discharge Limitation	Monitoring Requirements		
	Monthly Average	Sample Location	Measurement Frequency	Sample Type
Flow, gpd <sup>(1)</sup>	monitor & report <sup>(2)</sup>	Outfall 001	each discharge	flow meter

(1) gpd = gallons per day

(2) For the purpose of determining the fee required by NAC 445A.232, the flow from this facility is less than 50,000 gpd based on the design capacities of the septic tanks and reported flows for the holding tank.

**Schedule of Compliance.** A revised Operations and Maintenance Manual will be due within six (6) months from the effective date of the permit.

**Procedures for Public Comment:** The Notice of the Division's intent to renew permit NEV95010, authorizing discharge of septic waste to leachfields; and treated wash water and drinking water system waste streams to the lined portions of the Apex landfill for dust control, is being sent to the *Las Vegas Review Journal* for publication. The notice has also been mailed to interested persons on our electronic mailing list. The notice, draft permit, and this fact sheet are posted on the Division's web site, at <http://ndep.nv.gov/admin/public.htm>. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the

public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline by which all written comments are to be postmarked or hand delivered to the Division is **Friday, June 12, 2009, by 5:00 pm.**

A public hearing on the proposed determination can be requested by the applicant, any affected State or interstate agency, the Regional Administrator, or any interested agency, person, or group of persons. The request must be filed within the comment period and indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing the Administrator determines to hold 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 in 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 renew the proposed permit for a five (5) year term.

Prepared by: Steve McGoff, P.E.  
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May 8, 2009