



# STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

## FACTSHEET (pursuant to NAC 445A.236)

**Permittee Name:** REPUBLIC DUMPCO INC  
770 E SAHARA AVE  
LAS VEGAS, NV - 89104

**Permit Number:** NS2011510

**Location:** APEX REGIONAL LANDFILL, CLARK  
13550 N US HIGHWAY 93, LAS VEGAS, NV - 89165  
LATITUDE: 36.255089, LONGITUDE: -115.238396  
TOWNSHIP: T18S, RANGE: R64E, SECTION: 19

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	APEX LANDFILL	Land Application Site		LAS VEGAS	NV	89165	CLARK	36.377517	-114.860219	GROUNDWATER
002	HOLDING TANKS - 132,000 TOTAL GALLONS	Internal Outfall		LAS VEGAS	NV	89165	CLARK	36.377517	-114.860219	HOLDING TANKS

### General:

The applicant has a current Nevada groundwater discharge permit, NS2011510, for discharges from existing permanent holding tank systems at its Apex Regional Landfill facility; this facility is located in Las Vegas, Clark County, Nevada. The applicant is requesting a major modification of its current permit in order to increase its flow.

The applicant proposes to construct, operate and maintain six (6) additional permanent holding tanks at its Apex Regional Landfill. Three (3) of the proposed holding tanks would have a volume capacity of 22,500 gallons, and three (3) of the proposed holding tanks would have a volume capacity of 6,500 gallons; the total holding tanks volume capacity would be increased from 45,000 gallons to 132,000 gallons. The applicant proposes to use all permanent holding tanks to collect leachate and/or process water from its landfill in order to reuse it for dust control. Process water and condensate from the landfill gas collection and control systems associated with gas production will also be collected and stored in these tanks and also used for dust control. The landfill is lined with synthetic liners, effectively making this dust control activity a "no discharge" operation.

Permit authorization would only be for discharges associated with dust control activities at this facility. All dust control activities shall take place over the lined part of the landfill – dust control activities over non-lined parts of the landfill are strictly prohibited. Ponding of leachate and/or landfill process water during dust control activities is also prohibited.

Per permit conditions, the Permittee shall provide a copy of a document describing the possible hazards and proper hygiene of working with and around leachate and/or landfill process water to all workers and other affected personnel. A copy shall be included in the approved Operations and Maintenance manual (O&M) for this facility. All dust control areas shall be posted with conspicuous warning signs, clearly stating that leachate and/or landfill process water is utilized and contact should be avoided.

Furthermore, dust control activities shall be conducted in accordance with management practices which

minimize leachate and/or landfill process water from drifting or carrying off the property. Spills and or overflows from the holding tank collection systems is strictly prohibited.

**Discharge Characteristics:**

The leachate collected in the approved holding tanks would be used for dust control activities over the synthetically lined portions of the landfill, thus making this activity a "zero discharge" operation. Discharges of leachate over unlined sections of the landfill are strictly prohibited.

**Receiving Water:**

The receiving water is groundwater of the State of Nevada, which is located approximately 520 feet below ground surface.

**Summary of Changes From Previous Permit:**

The total holding tanks volume capacity will be increased from 45,000 gallons to 132,000 gallons.

**Zero Discharge Limitations Table for Sample Location 002 (Internal Outfall) To Be Reported Quarterly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Volume, total	Daily Maximum	<= 0.132 Million Gallons per Day (Mgal/d)		Prior to Reuse	002	Continuous	CALCTD

**NS OTHER - Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Quarterly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER

**Special Conditions:**

Special conditions are listed in the table below.

SA – Special Approvals / Conditions Table

Item #	Description
1	In order to ensure proper leachate and/or landfill process water collection, the daily flow into each of the tanks shall not exceed its volume capacity.
2	All dust control discharges shall take place over the lined part of the landfill; dust control discharges over non-lined parts of the landfill are strictly prohibited.
3	Holding tanks and all equipment used for leachate and/or landfill process water dust control application shall be inspected daily for leaks.
4	All dust control activities shall be carried out in a way that minimizes exposure to workers and anyone present at the facility during discharge activities.
5	Holding tank flows are not required to be metered either individually or collectively.
6	Ponding of leachate and/or landfill process water during dust control activities is strictly prohibited.
7	The Permittee shall provide a copy of a document describing the possible hazards and proper hygiene of working with and around leachate and/or landfill process water to all workers and other affected personnel. A copy of this document shall be included in the facility's O&M Manual.
8	The Permittee shall submit a copy of the quarterly water quality analysis results that are sent to the Southern Nevada Health District.

**Reasonable Potential Analysis and Antidegradation Review:**

Process water and condensate from the landfill gas collection and control systems associated with gas production will also be collected and stored in the proposed tanks and also used for dust control. The landfill is lined with synthetic liners thus effectively making this dust control activity a “zero discharge” operation.

**Flow:**

Permanent Holding Tanks - Total holding tank capacity for this facility is 132,000 gallons.

**Corrective Action Sites:**

There is no Bureau of Corrective Actions remediation site located within a five-mile radius from the center-point of the permittee’s property.

**Wellhead Protection Program:**

The system permitted under this discharge permit is not located within a 6,000-foot Drinking Water Protection Area (DWPA).

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Operations & Maintenance Manual (O&M) - the Permittee shall submit to the Division, for review and approval, two copies of an updated O&M Manual, per WTS-2, for the proposed discharge activities. If the O&M Manual currently on file is up to date, please submit a letter stating so.	11/1/2013

**Deliverable Schedule:**

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Discharge Monitoring Report	Quarterly	10/28/2013
2	Quarterly Sample Analysis <sup>[1]</sup>	Quarterly	10/28/2013

Notes (Deliverable Schedule for Reports, Plans, and Other Submittals):

1. See Special Approvals/Conditions Item #8

**Procedures for Public Comment:**

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review 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 until 5:00 P.M. **11/7/2013**, a period of 30 days following the date of the public notice. 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 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 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.650.

**Proposed Determination:**

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Peter Lassaline**  
 Date: **10/2/2013**  
 Title: **Environmental Scientist**