



**DEPARTMENT OF AIR QUALITY & ENVIRONMENTAL MANAGEMENT**

500 S Grand Central Parkway 1st Floor · Box 555210 · Las Vegas, NV 89155-5210  
(702) 455-5942 · Fax (702) 383-9994

Lewis Wallenmeyer Director · Tina Gingras Assistant Director

**NOTICE OF PROPOSED ACTION**

NOTICE IS HEREBY GIVEN that the Clark County Department of Air Quality and Environmental Management (DAQEM) received an application for “Authority to Construct” Permit (ATC) for an existing Part 70 source of regulated air pollutants on February 16, 2010. Republic Services – Republic Dumpco, Inc. is located at East of Interstate 15/US 93 Junction, Apex, Nevada 89124. The Control Officer has reviewed the application and determined that the proposed construction and operation of the Part 70 source can comply with the Clark County Air Quality Regulations (AQR) by applying the reasonably available control technology (RACT) for all regulated pollutants.

This notice announces the 30-day public comment period, commencing Monday, November 15, 2010, ending on Tuesday, December 14, 2010 and is being issued pursuant to Nevada Revised Statute 445 and the AQR.

CH2M Hill, Inc., on behalf of Republic Services – Republic Dumpco, Inc., has applied for a minor revision to an existing operating permit for a municipal solid waste landfill and construction sand and gravel in the Apex Valley hydrographic basins 216/217 (Source: 395, Modification: 9). Republic Dumpco, Inc. is a Part 70 major source in a Prevention of Significant Deterioration (PSD) area for PM<sub>10</sub>, NO<sub>x</sub>, SO<sub>x</sub>, HAP, and H<sub>2</sub>S and minor for PM<sub>2.5</sub>, VOC, and CO emissions. The Apex Valley Airshed is classified as attainment for PM<sub>10</sub>, NO<sub>x</sub>, CO, SO<sub>x</sub>, and VOC and non-attainment for Ozone. Sources of regulated air pollutants (emission units) at the source will include 1,400 cubic feet per minute candlestick (open) flare and a Paques THIOPAQ desulphurization system. The candlestick flare is permitted to operate at a flow rate of 1,400 cubic feet per minute and 735,840,000 cubic feet per year of landfill gas and the desulphurization system is permitted to operate at a flow rate of 8,997 cubic feet per minute of landfill gas. The candlestick flare controls 98% of the landfill gas emissions from the capture and collection system, and the desulphurization controls 92.2% of the H<sub>2</sub>S from the landfill gas from the capture and collection system prior to the gas going to the candlestick flare.

The potential to emit and the net emissions increase of regulated air pollutants due to the operation of this source will be as follows:

	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>x</sub>	CO	SO <sub>x</sub>	VOC	HAP	H <sub>2</sub> S	Lead
<b>Source Non-Fugitive Potential to Emit (PTE) Tons per year</b>	<b>262.42</b>	<b>18.53</b>	<b>121.33</b>	<b>99.18</b>	<b>195.60</b>	<b>18.41</b>	<b>10.62</b>	<b>0.05</b>	<b>0.00</b>
<b>Source Fugitive Potential to Emit (PTE) Tons per year</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>32.89</b>	<b>32.16</b>	<b>147.27</b>	<b>0.00</b>
<b>Net Emissions Increase (NEI) Tons per year</b>	<b>6.26</b>	<b>6.26</b>	<b>12.52</b>	<b>68.07</b>	<b>18.40</b>	<b>8.29</b>	<b>7.33</b>	<b>0.05</b>	<b>0.00</b>

Air Quality modeling for NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub> were completed for this ATC. This increment consumption is presented below:

Pollutant	Averaging Period	PSD Increment Consumption by the Source (µg/m <sup>3</sup> )	Location of Maximum Impact	
			UTM X (m)	UTM Y (m)
SO <sub>2</sub>	3-hour	23.86 <sup>1</sup>	691820	4027161
SO <sub>2</sub>	24-hour	5.96 <sup>1</sup>	691485	4028356
SO <sub>2</sub>	Annual	1.05	691485	4028356
PM <sub>10</sub>	24-hour	28.26 <sup>1</sup>	691536	4027155
PM <sub>10</sub>	Annual	6.97	691536	4027155
NO <sub>x</sub>	Annual	1.50	691521	4027959

<sup>1</sup>Modeled High 2<sup>nd</sup> High Concentration

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The technical support document (TSD), which describes the process, discusses compliance with relevant regulations, presents emission calculations, air quality impacts, and the proposed permit are available for public inspection at DAQEM, 500 S. Grand Central Parkway, Las Vegas, Nevada 89155, telephone (702) 455-5942 or the Clark County website: [http://www.accessclarkcounty.com/depts/daqem/aq/pages/permits\\_notices.aspx](http://www.accessclarkcounty.com/depts/daqem/aq/pages/permits_notices.aspx). The TSD, and the proposed permit with enforceable conditions, will be mailed to interested persons upon request. Additional documentation may be requested by contacting Tina Gingras, Assistant Director, DAQEM or Richard D. Beckstead, Permitting Manager, DAQEM. Any fees associated with this request will be billed at a cost consistent with DAQEM policy and NRS 239.

Any person may submit written or oral comments to the Control Officer at the address given above. All comments must be received by Tuesday, December 14, 2010 at 5:00 p.m., the close of this 30-day notice. The written comments will be retained and considered prior to the final determination by the Control Officer. A public hearing will be held on the proposed issuance of this permit if a request is made during the public comment period.

Published on 14<sup>th</sup> day of November, 2010.



Richard D. Beckstead  
Permitting Manager

Tina Gingras  
Assistant Director