



**DEPARTMENT OF AIR QUALITY & ENVIRONMENTAL MANAGEMENT**

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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 an Authority to Construct (ATC) permit for a stationary source of regulated air pollutants on December 30, 2008. The source is located at 8000 west Lake Mead Parkway, Henderson, NV 89015. The Control Officer has reviewed the application and determined that the proposed operation of the stationary source can comply with the Clark County Air Quality Regulations (AQR).

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.

Saguaro Power Company, Inc., has applied for a modification the Authority to Construct (ATC) permit for a power generation facility in the Las Vegas Valley (Saguaro Power Company, Source: 393). The source is currently a major source of NO<sub>x</sub> and CO and a minor source for PM<sub>10</sub>, SO<sub>x</sub>, VOC, and HAP. The source is located in the Las Vegas Valley airshed, hydrographic basin 212. Hydrographic basin 212 is nonattainment for PM<sub>10</sub> and ozone, and PSD for all other regulated air pollutants. The modification requests the addition of three 44.2 MW each General Electric (GE) LM-6000 simple cycle combustion turbines, ammonia storage and injection units, and additional fourth cell on the existing cooling tower. Existing sources of regulated air pollutants (emission units) of the source include two GE, 35.0 MW, natural gas combustion turbine generators (CTGs) with heat recovery steam generators (HRSG), a 23.1 MW extraction/condensing steam turbine generator system and two waste heat recovery steam generators with four, 25 MMBtu/hr each supplemental firing duct burners. There are also two auxiliary boilers that are used to provide continuous steam supply. In addition, the source operates a cooling tower, two diesel fired turbine starter engines, a fuel oil storage tank, and an ammonia storage and injection system. Each turbine, boiler and cooling tower will be permitted to operate up to 24 hours per day and 8,760 hours per year. Best available control technology (BACT) for pollution control includes low-NO<sub>x</sub> burners, steam injection, and selective catalytic reduction (SCR) for the gas turbines, low-NO<sub>x</sub> burners with flue gas recirculation and CO oxidation system for turbines and boilers, and drift eliminators with 0.0006 percent drift for the cooling tower.

The potential to emit of regulated air pollutants after the proposed modification of this source will be as follows:

	PM <sub>10</sub>	NO <sub>x</sub>	CO	SO <sub>x</sub>	VOC	HAP
<b>Source Potential to Emit (PTE) Tons per year</b>	<b>50.65</b>	<b>120.18</b>	<b>18.84</b>	<b>9.68</b>	<b>19.12</b>	<b>9.84</b>

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

Richard D. Beckstead  
Permitting Manager

Tina Gingras  
Assistant Director