South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

NOTICE OF INTENT TO ISSUE PERMIT
PURSUANT TO AQMD RULES 212 AND 3006

This notice is to inform you that the South Coast Air Quality Management District (AQMD) has received and reviewed permit applications for the proposed Reliant Energy, Etiwanda San Gabriel Generating Station (SGGS) Power Plant Project and intends to issue a Title V Facility Permit.

The AQMD is the air pollution control agency for the four county-region including Orange County and parts of Los Angeles, Riverside and San Bernardino counties. Anyone wishing to install or modify equipment that could control or be a source of air pollution within this region must first obtain a permit from the AQMD. Under certain circumstances, before a permit is granted, a public notice, such as this, is prepared by the AQMD and distributed.

The AQMD has evaluated the permit applications listed below for the following facility and determined that the project meets or will meet all applicable AQMD rules and regulations based upon the evaluation described below:

FACILITY: Reliant Energy Etiwanda, Inc
8996 Etiwanda Ave
Rancho Cucamonga, CA 91739
Facility ID No: 115315

CONTACT: Mr. Robert Lawhn, Director, Environmental Compliance
8996 Etiwanda Ave
Rancho Cucamonga, CA 91739

**AQMD APPLICATION NUMBERS**

| Application Number | Equipment Description |
|---|---|
| 468530 | Gas Turbine No. 1 |
| 468531 | Air Pollution Control Equipment, SCR/CO Catalyst for Turbine No. 1 |
| 468533 | Gas Turbine No. 2 |
| 468534 | Air Pollution Control Equipment, SCR/CO Catalyst for Turbine No. 2 |
| 468535 | Auxiliary Boiler |
| 468536 | Aqueous Ammonia Storage Tank |
| 468529 | Title V Significant Modification |

**PROJECT DESCRIPTION**

The project consists of the installation of two (2) new Siemens-Westinghouse combined cycle SGT6-5000F gas turbines with associated air pollution control systems, an auxiliary boiler and a 15,000 gallon capacity aqueous ammonia storage tank. The plant will have the capability of generating 721 MWs of electricity. Since the above equipment has the potential to emit pollutants in excess of the emission levels specified in AQMD Rule 212(g), a public notice is required.

## PROJECT EMISSIONS

After the initial commissioning period, the total maximum monthly emissions from the operation of the proposed equipment in conjunction with the use of air pollution control systems is not expected to exceed the following:

| Pollutant | Maximum Monthly Emissions, (pounds per month) |
|---|---|
| Nitrogen Oxides | 29,523 |
| Carbon Monoxide | 69,414 |
| Volatile Organic Compounds | 12,182 |
| Particulate Matter (diameter less than 10 microns) | 9,248 |
| Sulfur Dioxide | 2,272 |

As a result of the burning of natural gas in the gas turbines, emissions from the proposed project also contains some pollutants that are considered toxic under AQMD Rule 1401-New Source Review of Toxic Air Contaminants. Therefore, a health risk assessment was performed for this project. The health risk assessment uses health protective assumptions in estimating actual risk to an individual person. Even assuming this health protective condition, the evaluation shows that the maximum individual cancer risk increase from the project is less than one-in-one-million. Also, acute and chronic indices, which measure non-cancer health impacts, are less than one. These levels of estimated risk are below the threshold limits of AQMD Rule 1401 (d) established for new or modified sources and below AQMD Rule 1309.1(b)(5)(A) for power plants. The health risk assessment (HRA) results are shown in the table below:

HRA Results

| | Cancer Risk | Acute Hazard | Chronic Hazard |
|---|---|---|---|
| Gas Turbine No. 1 | $1.31*10^{-7}$ | 0.032 | 0.008 |
| Gas Turbine No. 2 | $1.14*10^{-7}$ | 0.038 | 0.010 |
| Auxiliary Boiler | $9.3*10^{-8}$ | 0.003 | 0.0004 |

Also, based on the engineering evaluation for this project, the AQMD has determined that the project complies with all of the applicable requirements to be qualified to access Priority Reserve credits pursuant to AQMD Rule 1309.1. However, the project must comply with additional requirements prior to the AQMD's release of the Priority Reserve credits and issuance of the Final Title V Permit.

**This facility is a Federal Title V and Title IV (Acid Rain) facility. Pursuant to AQMD Title V Permits Rule 3006 – Public Participation, any person may request a proposed permit hearing on an application for an Initial Title V or significant permit revision by filing with the Executive Officer a complete Hearing Request Form (Form 500G) for a proposed hearing within 15 days of the date of publication of this notice, as shown below. This form is available on the AQMD website at http://www.aqmd.gov/permit/Formspdf/TitleV/AQMDForm500-G.pdf), or alternatively, the form can be made available upon request by contacting Mr. Chris Perri at the e-mail and telephone number listed below. On or before the date the request is filed, the person requesting a proposed permit hearing must also send by first class a copy of the request to the facility address and contact person listed above.**

## THE FOLLOWING REQUIREMENTS MUST BE COMPLIED WITH PRIOR TO THE ISSUANCE OF FINAL PERMIT

In order for AQMD to be able to release any Priority Reserve credits and issue a Final Title V permit to this project, the applicant must comply with additional requirements of AQMD Rules and Regulations, including but not limited to the following:

**Rule 1303(b)(2)**

Reliant Energy must provide emission offsets for NOx, VOC, SOx, and $PM_{10}$ emissions. Emission offsets for PM10, SOx, and VOC will be provided in the form of Emission Reduction Credits (ERCs). Some or all of the emission offsets for PM10 and SOx may also be obtained from the AQMD's Priority Reserve pursuant to AQMD Rule 1309.1.

**Rule 2005(b)(2)**
Emission offsets for NOx will be in the form of RECLAIM Trading Credits (RTCs).

**Rule 1309.1(c)(2)**
Reliant Energy must pay a mitigation fee pursuant to subdivision (g).

**Rule 1309.1(c)(3)**
Reliant Energy must conduct a due diligence effort [based on an ERC cost not to exceed the applicable mitigation fee for that pollutant at the location of the electrical generating facility (EGF) and as specified in subdivision (g) of Rule 1309.1] approved by the Executive Officer to secure available ERCs for requested Priority Reserve pollutants. Such efforts shall include securing available ERCs including those available through state emission banks or creating ERCs through SIP approved credit generation programs as available.

**Rule 1309.1(c)(4)**
Reliant Energy must enter into a long-term contract (at least one year) with the State of California to sell at least 50 percent of the portion of power which it has generated using the Priority Reserve Credits and the Executive Officer determines at the time of permitting, and based on consultations with State power agencies that the State of California is both entering into such long term contract and that a need for such contract exists at the time of permitting, if the facility is a net generator.

**Rule 1309.1(d)(6)**
Reliant Energy must use any ERCs held first, before access to the Priority Reserve is allowed.

**Rule 1309.1(d)(14)**
Reliant Energy must secure final certification and approval for this project from the CEC, and must enter into a long term contract with Southern California Edison Company or the San Diego Gas and Electric Company or the State of California to provide electricity in Southern California, or petition the AQMD Governing Board for a waiver of this requirement.

The proposed permit and other information are available for public review at the AQMD's headquarters in Diamond Bar, and at the Paul A. Biane Library - located at 12505 Cultural Center Drive, Rancho Cucamonga 91739. Additional information including the facility owner's compliance history submitted to the AQMD pursuant to Section 42336, or otherwise known to the AQMD, based on credible information, is available at the AQMD for public review by contacting Mr. Chris Perri (cperri@aqmd.gov), Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91765-4182, (909) 396-2696. A copy of the draft Permit to Construct can also be viewed at http://www.aqmd.gov/webappl/PublicNotices/Search.aspx.

Anyone wishing to comment on the air quality elements of this permit must submit comments in writing to the AQMD at the above address, attention Mr. Michael D. Mills. **Comments must be received within 30 days of the distribution/publication date of this notice, as shown below.** If you are concerned primarily about zoning decisions and the process by which the facility has been sited in this location, contact your local city or county planning department or the California Energy Commission at (916) 654-3936. For your general information, anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the AQMD 24 hours a day by calling 1-800-CUT-SMOG (1-800-288-7664).