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 City of Riverside, Riverside Public Utilities and intends to issue a facility permit at the end of the 30-day public and 45-day U.S. Environmental Protection Agency review and comment period and after all pertinent comments have been considered and all other requirements have been complied with.

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 made a preliminary determination that the project meets or will meet all applicable AQMD rules and regulations for the issuance of a Proposed Title V permit based upon the evaluation described below:

FACILITY: City of Riverside Public Utilities Department
5901 Payton Avenue
Riverside, CA 92504
Facility ID#: 139796

CONTACT: Mr. Charles R. Casey, Utility Generation Manager
City of Riverside, Riverside Public Utilities
5901 Payton Avenue
Riverside, CA 92504

AQMD APPLICATION NUMBERS

Application Number	Equipment Description
481647	Combustion Engine, Gas Turbine No. 3
481649	Combustion Engine, Gas Turbine No. 4
481650	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine No. 4
481651	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine No. 3
481647	Title V/RECLAIM Permit Amendment Application

PROJECT DESCRIPTION

The City of Riverside, Riverside Public Utilities owns and operates the Riverside Energy Resource Center (RERC), which is an existing 96 MW power plant consisting of two (2), simple cycle, gas turbines (units 1&2), associated air pollution control equipment, and an aqueous ammonia storage tank. The project consists of the expansion of the existing RERC facility that will include the addition of two (2) new, simple cycle, gas turbines (units 3&4), with a nominal total of 95 MW of net output. 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.

PUBLICATION DATE: March 21, 2009

PROJECTED EMISSIONS

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

Pollutant	Maximum Monthly Emissions per Turbine (pounds per month)	Maximum Annual Emissions per Turbine (pounds per year)	Maximum Monthly Emissions (pounds per month)	Maximum Annual Emissions (pounds per year)
Nitrogen Oxides (NOx)	1,210	6,846	2,420	13,692
Carbon Monoxide (CO)	1,352	7,884	2,704	15,768
Volatile Organic Compounds (VOC)	215	1,622	430	3,244
Particulate Matter (diameter less than 10 microns) (PM_{10})	450	3,690	900	7,380
Sulfur Oxides (SOx)	47	385	94	770
Ammonia (NH3)	500	4,070	1,000	8,140

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 some health protective assumptions in estimating actual risk to an individual person. The evaluation shows that the Maximum Individual Cancer Risk (MICR) increase from the project is less than one-in-a-million. Also, acute and chronic hazard indices (HIA and HIC, respectively), which measure non-cancer health impacts, are less than the threshold of one. These levels of estimated risk are below the threshold limits of AQMD Rule 1401 (d) established for new or modified sources. The health risk assessment (HRA) results are shown in the table below:

Receptor	Cancer Risk (per million)	Chronic Hazard Index	Acute Hazard Index
Residential	0.0000073	1.12E-07	2.02E-05
Off-site worker	0.00687	0.002	0.085

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

In order for AQMD to 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)

The City of Riverside must provide emission offsets for VOC, PM_{10}, and SOx. Emission offsets will be in the form of emission reduction credits (ERCs).

Rule 2005(b)(2)

The City of Riverside must provide emission offsets for NOx. Emission offsets for NOx will be in the form of RECLAIM Trading Credits (RTCs).

The proposed permit and other information are available for public review at the AQMD's headquarters in Diamond Bar, and at the Arlington Branch Library, 9556 Magnolia Avenue, Riverside, CA 92503. 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. Marcel Saulis (msaulis@aqmd.gov), Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91765-4178, (909) 396-3093. A copy of the draft Permit to Construct can also be viewed at

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http://www.aqmd.gov/webappl/PublicNotices/Search.aspx. Anyone wishing to comment on the air quality elements of this permit should submit the comments in writing to the AQMD, attention Mr. Michael D. Mills. **Comments must be received within 30 days of the distribution/publication of this notice, as shown below**. Questions regarding zoning decisions and the process by which the facility has been sited in this location should be directed to the local city or county planning department or the California Energy Commission at (916) 654-4640. 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).

The 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, a Permit Renewal or significant permit revision by filing with the Executive Officer a complete Hearing Board Request Form (Form 500-G) 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. Marcel Saulis at the email and telephone number listed above. 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.

PUBLICATION DATE: March 21, 2009