



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 · [www.aqmd.gov](http://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 Southern California Edison, Barre Substation, and intends to issue a facility permit 1) at the end of this 30-day public comment and review period and after all pertinent comments have been considered; 2) upon EPA approval of the Title V permit, and 3) after certification of the Mitigated Negative Declaration prepared for this project.

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 by the applicant. The project proponent is required to issue this public notice based on the level of expected emissions and as a new facility under Title V.

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: Southern California Edison (SCE)  
Barre Substation  
8662 Cerritos Ave.  
Stanton, CA 90680  
Facility ID#: 51475

CONTACT: Uve Sillat  
Project Manager  
2244 Walnut Avenue  
Rosemead, CA 91770

### **AQMD APPLICATION NUMBERS**

462012	Aqueous Ammonia Tank
462013	Gas Turbine
462014	Emergency Internal Combustion Engine
462015	Selective Catalytic Reduction and Oxidation Catalyst
463004	Title V Permit

### **PROJECT DESCRIPTION**

SCE is proposing the installation of a new natural gas fired 45.4 MW combustion turbine at the Barre Substation in Norwalk. The turbine will be equipped with Selective Catalytic Reduction (SCR) and oxidation catalysts, which are considered as Best Available Control Technology, to control NO<sub>x</sub>, CO and VOC emissions. Since the SCR uses ammonia to react with NO<sub>x</sub> in the exhaust gas, there is a 10,000 gallon aqueous ammonia storage tank also being proposed and an 865 hp emergency internal combustion engine.

The turbine will operate as a peaking unit to produce electricity, mainly coming on line in the summer months when demand is highest, but its operation will not be limited to summer time only.

**PROJECT EMISSIONS**

SCE has proposed that the permit for the turbine include conditions which limit the fuel use on a daily and annual basis. The permit will also limit number of start ups allowed on an annual basis, and the duration of each start up. Based on these limitations, the following table shows the expected daily and annual emissions for full load turbine operation in conjunction with the air pollution control systems:

Pollutant	Daily Maximum Emissions (lbs)	Annual Maximum Emissions (lbs)
NOx	53.0	6,783
CO	73.3	9,421
VOC	15.1	1,942
PM <sub>10</sub>	50.0	6,443
SOx	3.0	383

Emissions from the proposed project contain 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, and the acute and chronic hazard indices are less than 1. These levels are below the threshold limits established for new or modified sources. The following table summarizes the results of the health risk assessment:

Receptor	Cancer Risk (per million)	Chronic Hazard Index	Acute Hazard Index
Residential	0.14	3.70E-04	3.55E-03
Off-site worker	0.02	8.07E-04	3.55E-03

This facility is classified as a Federal Title V and Title IV (Acid Rain) facility and has filed an application for a new Title V permit. Pursuant to AQMD Rule 3006, any person may request a proposed permit hearing on an application for a new Title V permit 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 notice. 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 proposed permit and other information are available for public review at the AQMD’s headquarters in Diamond Bar, on our website at [www.aqmd.gov](http://www.aqmd.gov), and at the Orange County Public Library – Stanton Branch, located at 7850 Katella Avenue., Stanton, 90680. 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 at Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91865-4182, (909) 396-3093. Anyone wishing to comment on the air quality elements of these permits should submit the comments in writing within 30 days of the distribution/publication date. Submit written comments to the AQMD, attention Mr. Mike Mills. If you are concerned primarily about zoning decisions and the process by which the facility has been sited in this location, contact the City of Stanton or the County of Orange planning departments. Anyone experiencing dust or odor problems as a result of this project can file a complaint with the AQMD by calling 1-800-cut-smog (1-800-288-7664).