

## DOCKETED

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<b>Project Title:</b>	Palen Solar Power Project - Compliance
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# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

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## 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 (SCAQMD) has received and reviewed permit applications for the proposed Palen Solar Electric Generating Station (PSEGS) power plant project and intends to issue a Title V 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.

The SCAQMD 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 SCAQMD. Under certain circumstances, before a permit is granted, a public notice, such as this, is prepared by the SCAQMD and distributed.

The SCAQMD 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 SCAQMD rules and regulations for the issuance of a Proposed Title V Permit based upon the evaluation described below:

**FACILITY:** Palen Solar Electric Generation Station  
Corn Spring Road  
Desert Center, CA 92239  
Facility ID No: 174021

**CONTACT:** Mr. Charles Turlinski  
Project Manager  
Palen Solar Electric Generation Station  
1999 Harrison Street, Suite 2150  
Oakland, CA 94612

### AQMD APPLICATION NUMBERS

Application Number	Equipment Description
549379	Auxiliary Boiler no. 1
549380	Auxiliary Boiler no. 2
549381	Night Preservation Boiler no. 1
549383	Night Preservation Boiler no. 2
549387	Emergency ICE no. 1
549389	Emergency ICE no. 2
549390	Emergency ICE no. 3
549384	Emergency Fire Pump ICE no. 1
549385	Emergency Fire Pump ICE no. 2
549386	Emergency Fire Pump ICE no. 3
553874	SCR/CO Catalyst no. 1
553875	SCR/CO Catalyst no. 2
549399	RECLAIM/Title V application

### PROJECT DESCRIPTION

The project consists of construction and operation of a new power plant with the capability of generating a total of 500 megawatts (MW) of electrical power consisting of two (2) new, 249 MMBtu/hr natural gas fired boilers with associated air pollution control systems, two (2), 10.5 MMBtu/hr natural gas fired boilers, two (2) 3363 brake horsepower diesel fuel fired emergency engines driving electrical generators, one (1) 398 brake horsepower diesel

fuel fired emergency engines driving electrical a generator, three (3) 617 brake horsepower diesel fueled emergency engines driving fire pumps. Since the above equipment has the potential to emit pollutants in excess of the emission levels specified in SCAQMD Rule 212(g), a public notice is required.

### **PROJECTED 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 (NO <sub>x</sub> )	1666
Carbon Monoxide (CO)	3,802
Volatile Organic Compounds (VOC)	586
Particulate Matter (diameter less than 10 microns) (PM10)	517
Particulate Matter (diameter less than 2.5 microns) (PM2.5)	517
Sulfur Dioxide (SO <sub>x</sub> )	189
Ammonia	128

As a result of the burning of natural gas in the boilers and diesel fuel from the emergency engines, emissions from the proposed project also contains some pollutants that are considered toxic under SCAQMD 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 (MICR) increase from each equipment is less than one-in-one-million and for the project is less than one-in-ten-million. Also, acute and chronic hazard indices (HIA and HIC, respectively), which measure non-cancer health impacts, are less than one. These levels of estimated risk are below the threshold limits of SCAQMD Rule 1401 (d) established for new or modified sources.

**This facility is a new Federal Title V and Title IV (Acid Rain) facility. Pursuant to SCAQMD 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 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 SCAQMD 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. Roy Olivares 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 proposed permit and other information are available for public review at the SCAQMD’s headquarters in Diamond Bar, and at the Lake Tamarisk Public Library, 43-880 Lake Tamarisk Drive, Desert Center, CA 92239. Additional information including the facility owner's compliance history submitted to the SCAQMD pursuant to Section 42336, or otherwise known to the SCAQMD, based on credible information, is available at the SCAQMD for public review by contacting Mr. Roy Olivares ([rolivares@aqmd.gov](mailto:rolivares@aqmd.gov)), Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91765-4182, (909) 396-2208. A copy of the draft Permit to Construct, notice and evaluation can also be viewed at <http://www3.aqmd.gov/webappl/publicnotices2/> Anyone wishing to comment on the air quality elements of this permit must submit comments in writing to the SCAQMD at the above address, attention Mr. Andrew Y. Lee. **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, please contact your local city or county planning department or the California Energy Commission at (916) 654-4640. For your general information, anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the SCAQMD 24 hours a day by calling 1-800-CUT-SMOG (1-800-288-7664).