



April 8, 2010

Ms. Kathleen Truesdell  
Air Quality Engineer  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109

**Subject: Permit Amendment for the Oakley Generating Station**

Dear Ms. Truesdell:

Contra Costa Generating Station, LLC (CCGS) is submitting the attached electronic application to the Bay Area Air Quality Management District as our permit application for the Oakley Generating Station (OGS). These submittals are the revised air sections from the Application for Certification (AFC) and have been recently provided to the California Energy Commission. As per Regulation 2, Rule 3 (Power Plants), this constitutes our formal permit application to the Bay Area Air Quality Management District (BAAQMD).

The OGS will be a natural gas-fired, combined-cycle electrical generating facility rated at a nominal generating capacity of 624 megawatts (MW). The project *will not* trigger the requirements for the Prevention of Significant Deterioration (PSD) as the emissions of criteria pollutants are less than 100 tons per year. The project will trigger the major source thresholds for offsets of NO<sub>x</sub>.

Principal design elements of the project include the following:

- Two General Electric (GE) Frame 7FA combustion turbine-generators (CTGs) with a nominal rating of 213 MW each and equipped with metallurgical enhancements to improve efficiency along with using a fast start technology which will further limit emissions
- A single condensing steam turbine generator (STG)
- Heat recovery steam generators (HRSGs) of the horizontal, natural circulation type
- An air-cooled condenser to provide process cooling

- CTGs equipped with evaporative coolers on the inlet air system and dry low oxides of nitrogen (NO<sub>x</sub>) combustors
- An emission reduction system that will include a selective catalytic reduction (SCR) unit to control NO<sub>x</sub> stack emissions and an oxidation catalyst to control carbon monoxide and volatile organic compounds emissions
- A 230-kilovolt (kV) onsite switchyard to deliver the project's power directly to the grid through a 2.4-mile-long, single-circuit, 230-kV transmission line that will connect the project site with the Pacific Gas and Electric Company (PG&E) Contra Costa Substation
- Direct connection with the adjacent PG&E Antioch natural gas terminal for natural gas supply
- Connection to an existing onsite potable water line
- Connection to an existing onsite sanitary sewer pipeline

The modeling files will be submitted under a separate cover. Thank you for your attention in this matter. If you have any questions with regards to the application, please contact me at (805) 569-6555.

Sincerely,

**Atmospheric Dynamics, Inc.**

*Gregory Darwin*

Gregory S. Darwin

Senior Meteorologist