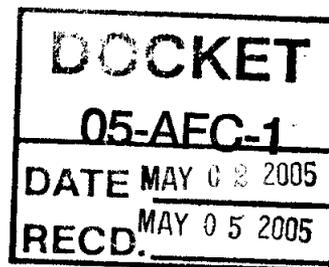




CALPINE

May 2, 2005

Mr. Gerardo Rios
Chief, Permits Office
U.S. EPA Region IX
75 Hawthorne Street
San Francisco, CA 94105



DUBLIN OFFICE
4160 DUBLIN BOULEVARD, SUITE 150
DUBLIN, CALIFORNIA 94568-3139
925.479.6600
925.479.7300 (FAX)

Subject: Pastoria Energy Facility Expansion Project
Application for a Prevention of Significant Deterioration Permit

Dear Mr. Rios:

Enclosed please find an Application for a Prevention of Significant Deterioration (PSD) Permit for the proposed expansion of the Pastoria Energy Facility (PEF) gas turbine power plant project, located in southern Kern County, CA. This AFC was filed with the California Energy Commission on April 28, 2005. The portions of the AFC materials that are relevant to the PSD permitting process, as well as air quality modeling data on compact disc, are enclosed for your review.

The Project consists of the addition of one 160 MW GE 7FA simple cycle combustion turbine generator to be constructed and operated at PEF. Like the existing equipment at PEF, the new CTG will be fired on natural gas exclusively. The turbine will be equipped with a dry low-NOx combustor and selective catalytic reduction to minimize emissions.

If you have any questions regarding this application, please contact Nancy Matthews of Sierra Research at (916) 444-6666.

Sincerely,

Andrew Whittome
Project Manager

enclosures

cc: (w/o enclosures)
Michael Argentine, Calpine
Barbara McBride, Calpine
Jennifer Scholl, URS
Nancy Matthews, Sierra Research
CEC Dockets Office
Thomas Goff, SJVAPCD

sierra research



**Application to the USEPA
for a
Prevention of Significant
Deterioration Permit
for the
Pastoria Energy Facility
Expansion Project
Kern County, California**

prepared for:

Pastoria Energy Facility, LLC

May 2005

prepared by:

Sierra Research, Inc.
1801 J Street
Sacramento, California 95814
(916) 444-6666

Document Information

Docket Number: 05-AFC-1

Dated: 5-2-05

Rec'd: 5-5-05

OVERSIZED FILE **Megabites** _____

Application for a Prevention of
Significant Deterioration Permit

MAP(S) # _____

PICTURE(S) # _____

For more information contact:

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Docket Unit
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