

October 4, 2006

Mr. John S. Keenan  
Senior Vice President and Chief Nuclear Officer  
Pacific Gas and Electric Company  
Diablo Canyon Power Plant  
P.O. Box 770000  
San Francisco, CA 94177-0001

SUBJECT: DIABLO CANYON POWER PLANT, UNIT NOS. 1 AND 2 - REGARDING THE  
STATE-OF-THE-ART REACTOR CONSEQUENCE ANALYSES PILOT PLANT  
SELECTION

Dear Mr. Keenan:

The purpose of this letter is to provide you with information on a new study underway at the U.S. Nuclear Regulatory Commission (NRC), the State-of-the-Art Reactor Consequence Analyses (SOAR CA) study. The objective of the study is to perform a realistic evaluation of offsite consequences, using an improved understanding of source terms and severe accident phenomenology; and crediting the use of Severe Accident Management Guidelines and other procedures that were not in place when the 1982 siting study (NUREG/CR-2239, Technical Guidance for Siting Criteria Development) was performed.

Over the next three years, the NRC plans to: (1) evaluate and update, as appropriate, analytical methods and models for realistic evaluation of severe accident progression and offsite consequences and (2) develop state-of-the-art reactor consequence assessments for each nuclear power plant. The goal is to accurately represent offsite consequences at each plant based on current, rather than past, plant operations. To that end, the NRC seeks your assistance in acquiring plant-specific design and operation information, including enhancements, so that your plant is accurately represented. Information supplied to support the project does not need to be docketed and the opportunity to review draft study reports to ensure plant accuracy will be provided to you.

This request for information is voluntary, but your cooperation is essential to ensure accurate representation of your plant. If you have any questions, please contact me at (301) 415-1445.

Sincerely,

*/RA/*

Alan Wang, Project Manager  
Plant Licensing Branch IV  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-275 and 50-323

cc: See next page

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Diablo Canyon Power Plant, Units 1 and 2

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March 2006