



**Pacific Gas and  
Electric Company®**

Diablo Canyon Power Plant  
P. O. Box 56  
Avila Beach, CA 93424

January 26, 2006

PG&E Letter HIL-06-001

ATTN: Document Control Desk  
Director, Spent Fuel Project Office  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Materials License No. SNM-2514, Docket No. 72-27  
Humboldt Bay Independent Spent Fuel Storage Installation  
Humboldt Bay Independent Spent Fuel Storage Installation Final Safety Analysis  
Report Update, Revision 0 (TAC NO. L23683)

Dear Commissioners and Staff:

By Pacific Gas and Electric Company (PG&E) Letter HIL-03-001, dated December 15, 2003, as supplemented, PG&E submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a 10 CFR 72 site-specific license to build and operate an independent spent fuel storage installation (ISFSI) at the Humboldt Bay Power Plant (HBPP) site. The application included a Safety Analysis Report (SAR), Environmental Report, and other required documents in accordance with 10 CFR 72.

By letter dated November 17, 2005, the NRC issued Materials License No. SNM-2514 authorizing PG&E to receive, possess, store, and transfer spent fuel and associated radioactive materials resulting from the operation of HBPP in the Humboldt Bay ISFSI.

Pursuant to 10 CFR 72.70(a)(1) and in accordance with 10 CFR 72.4, PG&E is enclosing a CD-ROM of the Humboldt Bay ISFSI Final Safety Analysis Report (FSAR) Update, Revision 0. The FSAR Update is based on the SAR submitted with the application and reflects changes and commitments developed during the license approval process.

A total of one CD-ROM is included in this submission. The CD-ROM is labeled, "Humboldt Bay Independent Spent Fuel Storage Installation Final Safety Analysis Report Update, Revision 0, January 2006." The contents are in Adobe Acrobat Portable Document Format (pdf).

Umsso1



The CD-ROM contains the following publicly available Humboldt Bay ISFSI FSAR Update files.

| <u>Filename</u>                          | <u>File Size</u> |
|------------------------------------------|------------------|
| 001_HB ISFSI FSAR R0 Except 2.6 Figs.pdf | 28,645 KB        |
| 002_Figs 2.6-1 to 2.6-60.pdf             | 48,442 KB        |
| 003_Figs 2.6-61 to 2.6-120.pdf           | 25,284 KB        |

If you have any questions regarding this submittal, please contact Mr. Terence Grebel at (805) 545-4160.

Sincerely,

John S. Keenan  
*Senior Vice President – Generation and Chief Nuclear Officer*

rnd/4449

Enclosure


cc: PG Fossil Gen HBPP Humboldt Distribution  
cc/enc: James R. Hall  
John Hickman  
Ray Kellar  
Bruce S. Mallett

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

|                                  |   |                                |
|----------------------------------|---|--------------------------------|
| _____                            | ) | Docket No. 72-27               |
| In the Matter of                 | ) |                                |
| PACIFIC GAS AND ELECTRIC COMPANY | ) | Materials License No. SNM-2514 |
|                                  | ) |                                |
| Humboldt Bay                     | ) |                                |
| Independent Spent Fuel Storage   | ) |                                |
| Installation                     | ) |                                |
| _____                            | ) |                                |

AFFIDAVIT

John S. Keenan, of lawful age, first being duly sworn upon oath states that he is Senior Vice President - Generation and Chief Nuclear Officer, Pacific Gas and Electric Company; that he is familiar with the content thereof; that he has executed this Humboldt Bay Independent Spent Fuel Storage Installation Final Safety Analysis Report Update, Revision 0, submittal on behalf of said company with full power and authority to do so; and that the facts stated therein are true and correct to the best of his knowledge, information, and belief.

  
John S. Keenan  
Senior Vice President - Generation and Chief Nuclear Officer

Subscribed and sworn to before me this 26th day of January 2006, by John S. Keenan, personally known to me or proved to me on the basis of satisfactory evidence to be the person who appeared before me.

  
Notary Public  
State of California  
County of San Luis Obispo

