



**Pacific Gas and
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November 17, 2009

PG&E Letter HIL-09-004

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
Final Safety Analysis Report Update, Revision 2

Dear Commissioners and Staff:

On November 17, 2005, the NRC issued Materials License No. SNM-2514 authorizing Pacific Gas and Electric Company (PG&E) to receive, possess, store, and transfer spent fuel and associated radioactive materials resulting from the operation of Humboldt Bay Power Plant (HBPP) Unit 3 into the Humboldt Bay Independent Spent Fuel Storage Installation (ISFSI). By PG&E Letter HIL-07-002, dated November 19, 2007, PG&E submitted the Humboldt Bay ISFSI Final Safety Analysis Report (FSAR) Update, Revision 1.

Pursuant to 10 CFR 72.70(c), and in accordance with 10 CFR 72.4, PG&E is enclosing a CD-ROM of the Humboldt Bay ISFSI FSAR Update, Revision 2. Revision 2 includes changes to the FSAR Update since the last submittal. The changes incorporated were evaluated in accordance with 10 CFR 72.48 and a determination was made that prior NRC approval was not required.

The following is a brief description of a significant change included in Revision 2:

The Holtite-A neutron shielding material utilized in the HI-STAR HB system is allowed to have a minimum hydrogen density of 0.091 g/cc (FSAR Section 4.2.3).

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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 2, November 2009." The contents are in Adobe Acrobat Portable Document Format (pdf).

The CD-ROM contains the following publicly available Humboldt Bay ISFSI FSAR Update, Revision 2 files:

<u>Filename</u>	<u>File Size</u>
001 HB ISFSI FSAR R2 Except 2.6 Figs.pdf	24,096 KB
002 HB ISFSI FSAR R2 Figs 2.6-1 to 2.6-20.pdf	40,715 KB
003 HB ISFSI FSAR R2 Figs 2.6-21 to 2.6-44.pdf	30,722 KB
004 HB ISFSI FSAR R2 Figs 2.6-45 to 2.6-46.pdf	46,964 KB
005 HB ISFSI FSAR R2 Figs 2.6-47 to 2.6-85.pdf	48,068 KB
006 HB ISFSI FSAR R2 Figs 2.6-86 to 2.6-120.pdf	45,244 KB

If you have any questions regarding this submittal, please contact Mr. David Sokolsky at 707-444-0801.

I state under penalty of perjury that the foregoing is true and correct.

Executed on November 17, 2009.

Sincerely,


James R. Becker
Site Vice President

Enclosure

cc: Elmo J. Collins, Jr., NRC Region IV
PG Fossil Gen HBPP Humboldt Distribution

cc/enc: Shana Helton, NRC NMSS
Ray Kellar, NRC Region IV