



**Pacific Gas and  
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PG&E Letter HIL-04-001

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Docket No. 72-27  
Humboldt Bay Independent Spent Fuel Storage Installation  
Submittal of Humboldt Bay ISFSI Safety Analysis Report Reference Documents

Dear Commissioners and Staff:

On December 15, 2003, Pacific Gas and Electric Company (PG&E) submitted an application to the Nuclear Regulatory Commission (NRC), in PG&E Letter HIL-03-001, requesting a site-specific license for an Independent Spent Fuel Storage Installation (ISFSI) at the Humboldt Bay Power Plant to store the Unit 3 spent nuclear fuel. The application included a Safety Analysis Report, Environmental Report, and other required documents in accordance with 10 CFR 72.

As requested by Mr. Stephen O'Connor, reference material, in support of the Humboldt Bay ISFSI license application, is enclosed. The reference material, which is listed in and attached to the enclosure, is intended for use by the NRC staff in their review of the license application.

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

Sincerely,

Lawrence F. Womack

gwh  
Enclosure

cc: Dr. Asad Chowdhury  
William C. Huffman  
Stephen C. O'Connor  
PG Fossil Gen HBPP Humboldt Distribution

1175501

**LIST OF ATTACHED HUMBOLDT BAY ISFSI SAFETY ANALYSIS REPORT  
REFERENCE DOCUMENTS**

1. Woodward-Clyde Consultants, Evaluation of the Potential for Resolving the Geologic and Seismic Issues at the Humboldt Bay Power Plant Unit No. 3, October 1, 1980.
2. Determination of Liquefaction Potential at HBIP ISFSI Site  
Calculation GEO.HBIP.02.02, Revision 0.
3. Geomatrix Consultants in Cooperation with International Civil Engineering Consultants, Inc., Final Report - Seismic Ground Motion Study for Humboldt Bay Bridges on Route 255, Humboldt Bay County, California, March 1994.
4. Pacific Gas and Electric Company Technical Report TR-HBIP-2002-01, Seismic Hazard Assessment for the Humboldt Bay ISFSI Project:
  - a. Appendix 2A, Comparison of the Southern Cascadia Subduction Zone with the Tectonic Setting of the 1964 Alaska Earthquake, August 23, 2002.
  - b. Appendix 4A, Logs of Earth Sciences Associates (1977) and Woodward-Clyde Consultants (1980) Site Trenches, September 16, 2002.
  - c. Appendix 5A, Seismic Source Characterization of Cascadia Subduction Zone, December 27, 2002.
  - d. Appendix 9A, Empirical Relationship Between Tsunami Runup and Earthquake Source Parameters, August 23, 2002.