



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 31, 2000

MEMORANDUM TO: Susan F. Shankman, Deputy Director
Licensing and Inspection Directorate
Spent Fuel Project Office, NMSS

FROM: James R. Hall, Acting Section Chief **/RA/**
Licensing Section
Licensing and Inspection Directorate
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF THE MARCH 1, 2000, MEETING BETWEEN THE
NUCLEAR REGULATORY COMMISSION STAFF AND PACIFIC GAS
AND ELECTRIC COMPANY (TAC NO. L23044)

On March 1, 2000, a meeting was held between the Nuclear Regulatory Commission (NRC) staff and representatives of Pacific Gas and Electric Company (PG&E) to discuss PG&E's plans for licensing independent spent fuel storage installations (ISFSIs) at Diablo Canyon and Humboldt Bay. Members of the public also attended the meeting. Attachment 1 is an attendance list. This meeting was noticed on February 17, 2000.

PG&E is planning to submit site-specific license applications in accordance with 10 CFR Part 72 for the interim storage of spent fuel at Diablo Canyon and Humboldt Bay. At this meeting, PG&E provided a status update and specific information regarding the geotechnical and seismic analyses for both proposed ISFSIs. Attachment 2 contains the slides used in PG&E's presentation.

PG&E confirmed that the schedule for the submittal of the ISFSI license applications for both facilities remains sometime in the fourth quarter of calendar year 2000. However, PG&E has still not ruled out the general license option of 10 CFR Part 72, Subpart K, for the Diablo Canyon ISFSI, if a storage system suitable for the site receives NRC certification. A Request for Proposal (RFP) was issued by PG&E on February 8, 2000, for the Diablo Canyon ISFSI work, and an RFP for Humboldt Bay is expected to be issued by mid-March. PG&E also noted that amendments to the 10 CFR Part 50 licenses for both plants will be needed to permit fuel handling activities involving the loading and preparation of the spent fuel storage casks and requested that NRC staff in the responsible offices coordinate their review efforts.

PG&E described its planned approaches to performing seismic analyses at the two sites. For Diablo Canyon, the seismic analysis will address the acceptance criteria for the four existing design basis earthquakes developed to meet Part 50 licensing requirements. Soil investigations have been performed to confirm the similarity of the soils underlying the power plant and the proposed ISFSI site. For Humboldt Bay, a combination of probabilistic and deterministic methods will be used. Probabilistic insights will be applied to the spent fuel loading and transfer activities, based on their short duration and the reduced hazard presented by the fuel that has been cooled for more than 24 years. Deterministic analyses will be used to establish the design criteria for the storage system. Deterministic criteria will also be applied to

the storage pads for both ISFSIs, as the pads are expected to be an integral part of each storage system.

The NRC staff indicated that it will provide clarification of several issues identified in its most recent meeting with PG&E. These issues are the possible need for an exemption from 10 CFR 72.106 due to the close proximity of a public trail to the proposed Humboldt Bay ISFSI, the security requirements to be applied to the proposed ISFSI at Diablo Canyon, and requirements for consultation with the State Historic Preservation Officer in the preparation of the environmental reports that are part of the license applications.

PG&E and the NRC staff agreed to hold additional meetings to address seismic evaluations and fuel handling activities in greater detail, in the interest of ensuring high quality applications.

No proprietary information was disseminated or presented at this meeting. No regulatory decisions were requested or made.

Docket Nos.: 72-26 (50-275, -323)
72-27 (50-133)

Attachments: 1. Attendance List
2. PG&E Slides

cc: Service Lists

March 31, 2000

-2-

S. Shankman

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|-------|---------|--|---------|---|------|--|
| OFC: | SFPO | | SFPO | E | SFPO | |
| NAME: | JRHall | | VTharpe | | | |
| DATE: | 3/31/00 | | 3/27/00 | | | |

OFFICIAL RECORD COPY

**March 1, 2000 Meeting
between the Nuclear Regulatory Commission and
Pacific Gas and Electric**

ATTENDANCE LIST

| <u>Name</u> | <u>Affiliation</u> |
|---------------------|---|
| Tom Moulia | PG&E |
| Terry Grebel | PG&E/Licensing |
| W. U. Savage | PG&E/Geosciences |
| Lloyd Cluff | PG&E/Geosciences |
| L. Jearl Strickland | PG&E/Engineering |
| Roy Willis | PG&E/HBPP, Director of Engineering |
| Roger Johnson | PG&E, Lead Licensing Engineer |
| Bill Brach | NRC/NMSS/SFPO, Director |
| Susan Shankman | NRC/NMSS/SFPO, Deputy Director, Licensing and Inspection |
| Jim Lyons | NRC/NMSS/SFPO, Acting Deputy Director, Technical Review |
| James R. Hall | NRC/SFPO, Project Manager |
| K.C. Leu | NRC/SFPO, Structural Engineer |
| Stephen O'Connor | NRC/SFPO, Project Manager |
| Steven Baggett | NRC/SFPO, Project Manager |
| Robert Rothman | NRC/NRR/EMEB |
| Duke Wheeler | NRC/NRR/DLPM, Project Manager |
| Tim Milner | BNFL, Inc. |
| Elaine Hiruo | Nuclear Fuel McGraw-Hill |
| Steve Schulin | The Ibex Group |

ROUTING AND TRANSMITTAL SLIP

Date: April 10, 2000

| NAME | INITIALS | DATE |
|----------------------|----------|------|
| JRHall | | |
| VLTharpe | | |
| | | |
| | | |
| Secretary (dispatch) | | |
| | | |

ACTION: _____
 FOR YOUR INFO: _____
 PREPARE REPLY: _____

APPROVAL: _____
 NOTE & RETURN: _____
 COORDINATION: _____

EDO/NMSS TICKET NO(s):

DUE TO DIVISION:

DUE TO NMSS:

DUE TO EDO:

MEMORANDUM/LETTER TO: Susan F. Shankman, Deputy Director
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REMARKS:

ORIGINATOR: JRHall PHONE: 415-1336
 SECRETARY: PHONE:
