



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

50-133(275)/323

72-26
72-27

December 16, 1999

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

FROM: James R. Hall, Project Manager
Licensing Section
Licensing and Inspection Directorate
Spent Fuel Project Office, NMSS

James R. Hall

SUBJECT: SUMMARY OF THE NOVEMBER 10, 1999, MEETING BETWEEN THE
NUCLEAR REGULATORY COMMISSION STAFF AND PACIFIC GAS
AND ELECTRIC COMPANY (TAC NO. L23001)

On November 10, 1999, 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. Representatives of BNFL Fuel Solutions, Transnuclear West, Inc., Bechtel, and the Ixex Group also attended the meeting. Attachment 1 is an attendance list. This meeting was noticed on October 29, 1999.

PG&E is planning to submit 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, the PG&E representatives provided a general status update and some specific information regarding the siting and the physical protection plans for both ISFSIs. Attachment 2 contains the slides used in PG&E's presentation.

PG&E stated that the proposed schedule for the submittal of the ISFSI license applications for both facilities is now sometime in the fourth quarter of calendar year 2000. However, PG&E is still considering the general license option of 10 CFR Part 72, Subpart K, for the Diablo Canyon ISFSI. A final decision is expected in the next few weeks, prior to the utility issuing Requests for Proposals for the ISFSI work. 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 storage casks for the spent fuel.

PG&E described the site for the Humboldt Bay ISFSI and discussed the basis for its selection. The site's proximity to a public trail was noted; the trail falls within the 100 meter controlled area boundary specified in 10 CFR 72.106(b). PG&E indicated that they will propose to take necessary actions to control access to that trail and protect public health and safety, in accordance with the provisions of 10 CFR 72.106(c). The NRC staff indicated that further discussion is warranted regarding the need for an exemption, and that safeguards implications should also be considered.

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With respect to security requirements for the proposed ISFSI at Diablo Canyon, the NRC cited the staff's experience with the North Anna ISFSI as a precedent. In that instance, the staff determined that the requirements of 10 CFR 73.51 did not apply to an ISFSI on the site of an operating reactor. The NRC staff acknowledged the need for further clarification of the regulation, but indicated that a schedule for rulemaking was not yet available.

PG&E proposed meeting again with the NRC staff to discuss the possible application of probabilistic risk assessment insights to fuel handling and transfer activities related to their spent fuel storage plans. They also requested clarification of NUREG-1567, "Standard Review Plan for Spent Fuel Dry Storage Facilities (Draft)", Appendix B.4.2.9, regarding consultation with the State Historic Preservation Officer. The NRC staff was receptive to the proposed meeting and indicated that it would provide clarification of the guidance on the necessary contacts with state officials.

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

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FLyon, NRR	NRC attendees		VEverett, RIV	NJensen, OGC

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DATE:	12/13/99	12/16/99		12/16/99

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**November 10, 1999 Meeting
between the Nuclear Regulatory Commission and
Pacific Gas and Electric**

ATTENDANCE LIST

<u>Name</u>	<u>Affiliation</u>
Roy Willis	PG&E/HBPP, Director of Engineering
Roger Johnson	PG&E, Lead Licensing Engineer
Bill Brach	NRC/NMSS/SFPO, Director
Ross Chappell	NRC/NMSS/SFPO, Section Chief
Eric Leeds	NRC/NMSS/SFPO, Section Leader
James R. Hall	NRC/SFPO, Project Manager
Stephen O'Connor	NRC/SFPO, Project Manager
Charles E. Gaskin	NRC/NMSS/FCSS
Andy Rayland	NRC/NMSS/FCSS
Robert Skelton	NRC/NRR/SG
Barry Manili	NRC/NRR/SG
Steve Bloom	NRC/NRR/DLPM, Project Manager
Duke Wheeler	NRC/NRR/DLPM, Project Manager
D. Blair Spitzberg	NRC/RIV, Branch Chief
Vincent Everett	NRC/RIV, Inspector
Rachel Carr	NRC/RIV, HP Inspector
Usama Farradj	TN West
Geoff Quinn	Bechtel
Tim Milner	BNFL, Inc.
Steve Love	BNFL, Inc.
Steve Schulin	The Ibx Group

NRC/PG&E
Communications Meeting
November 10, 1999

Humboldt Bay and Diablo Canyon ISFSIs

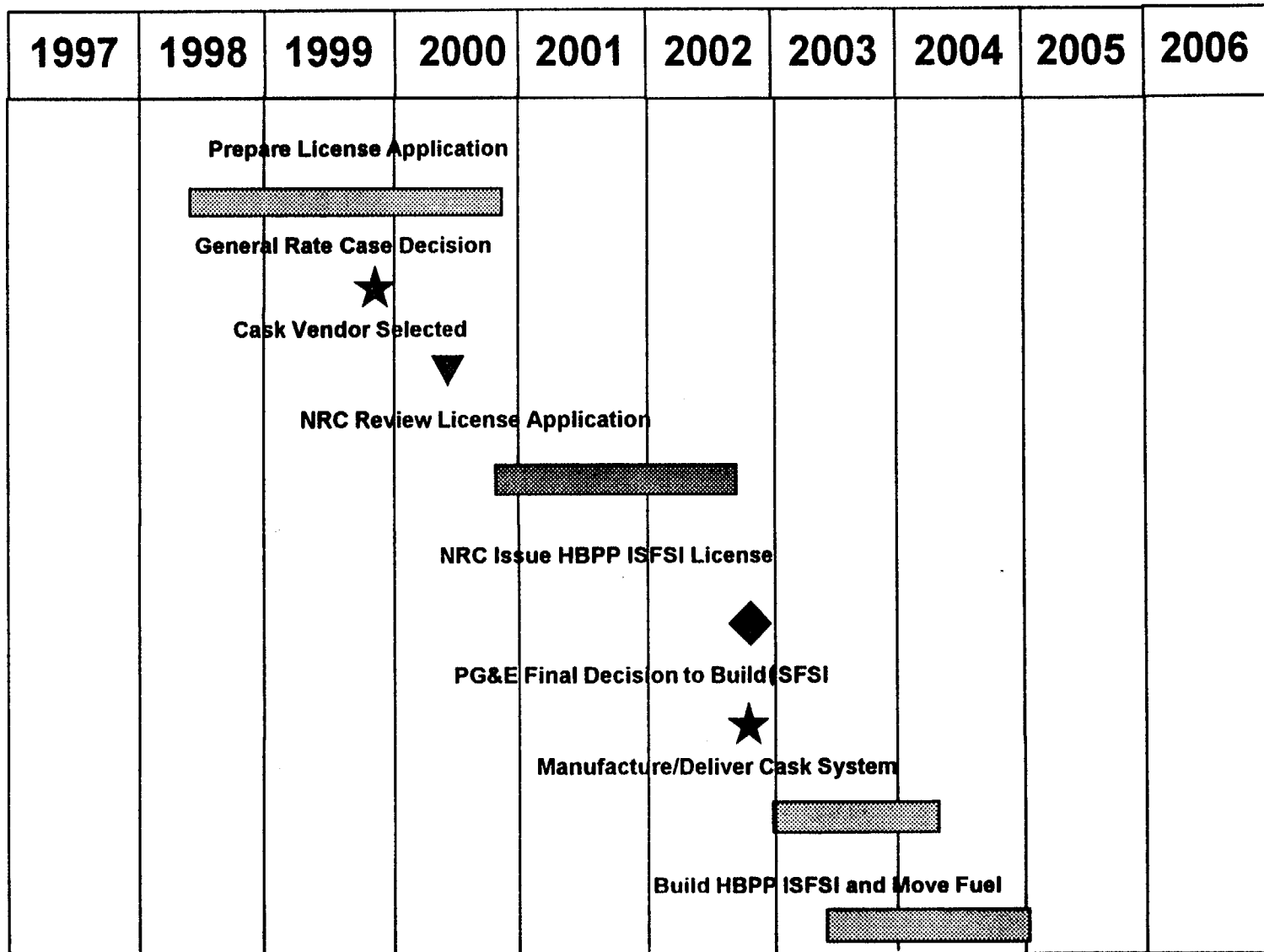
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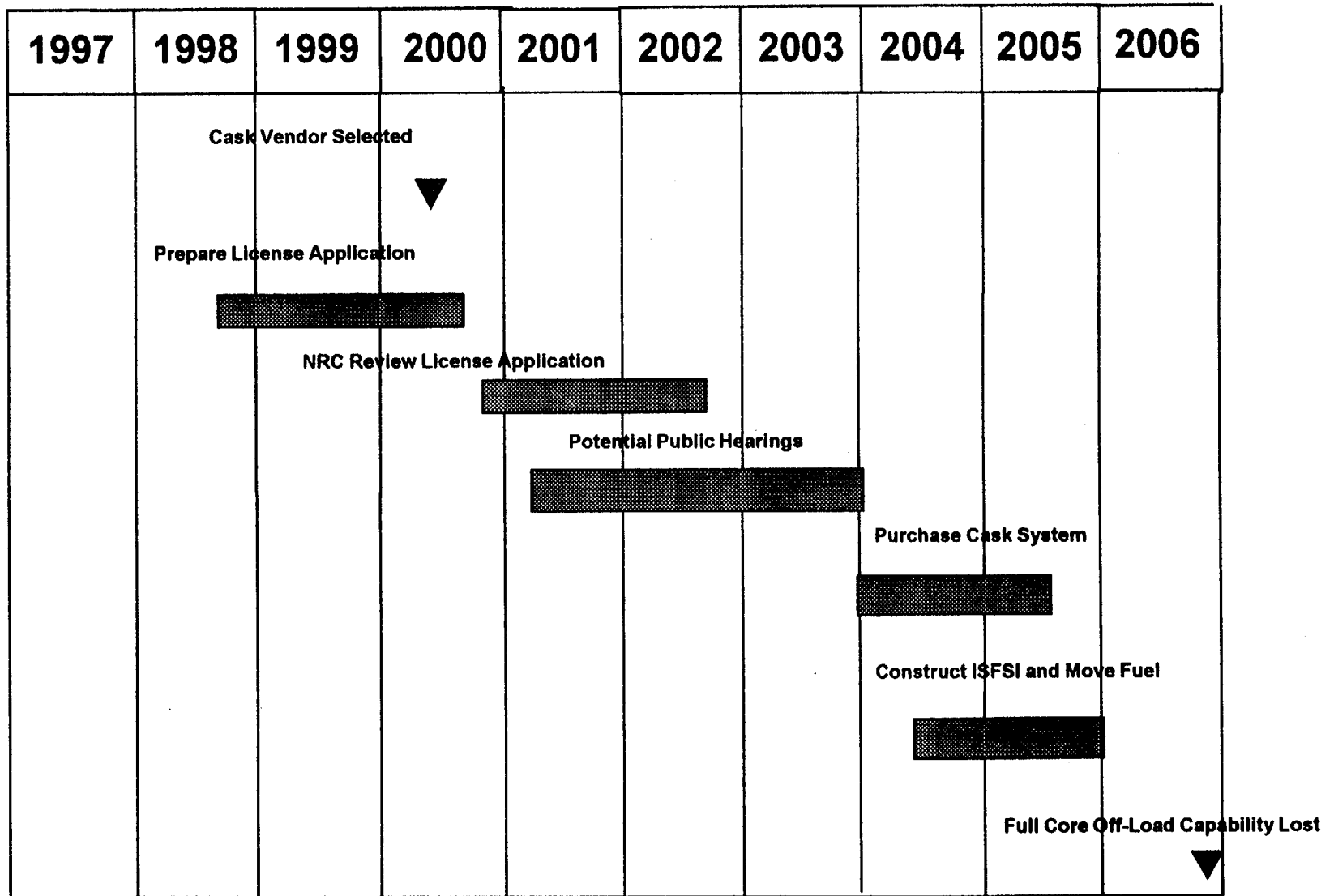
Agenda

- Introduction Roger Johnson
Roy Willis
- Current Plans and Schedules Roy Willis
Humboldt Bay and Diablo Canyon ISFSIs
- Potential ISFSI sites at Humboldt Bay Roy Willis
and Diablo Canyon
- Potential security plan exemption Roger Johnson
Diablo Canyon ISFSI
- Future meeting topics Roger Johnson

Preliminary Schedule for Humboldt Bay ISFSI



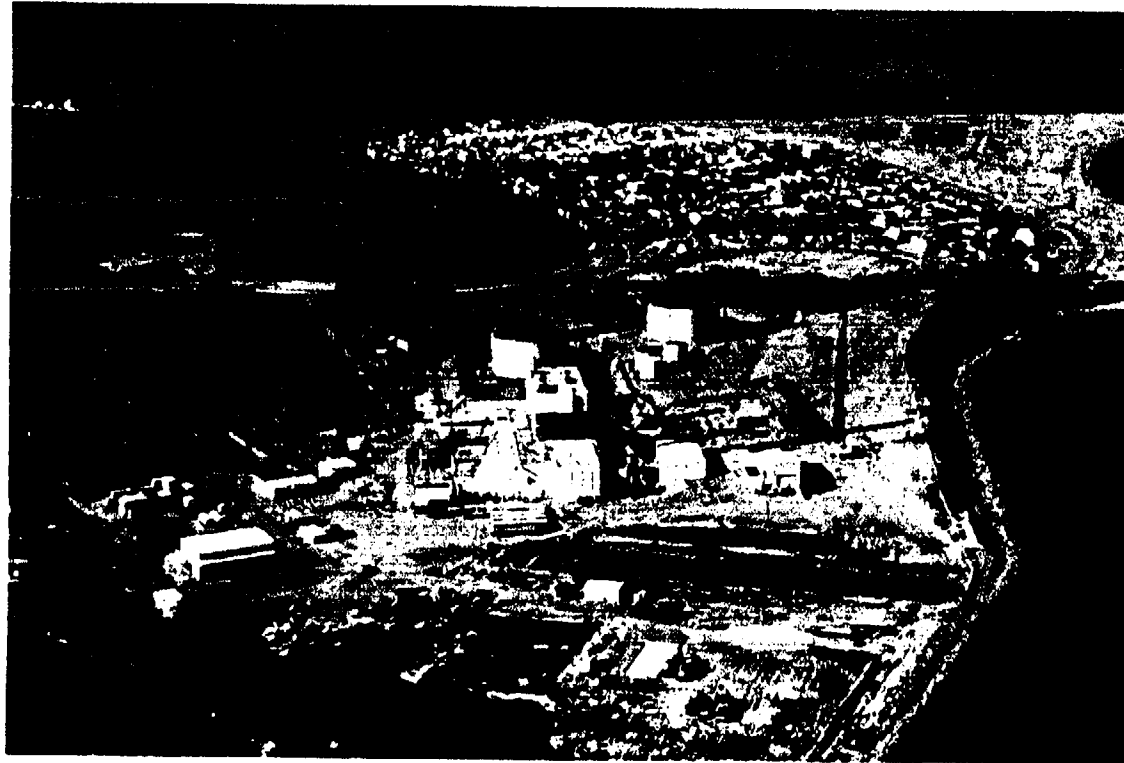
Preliminary Schedule for Diablo Canyon ISFSI



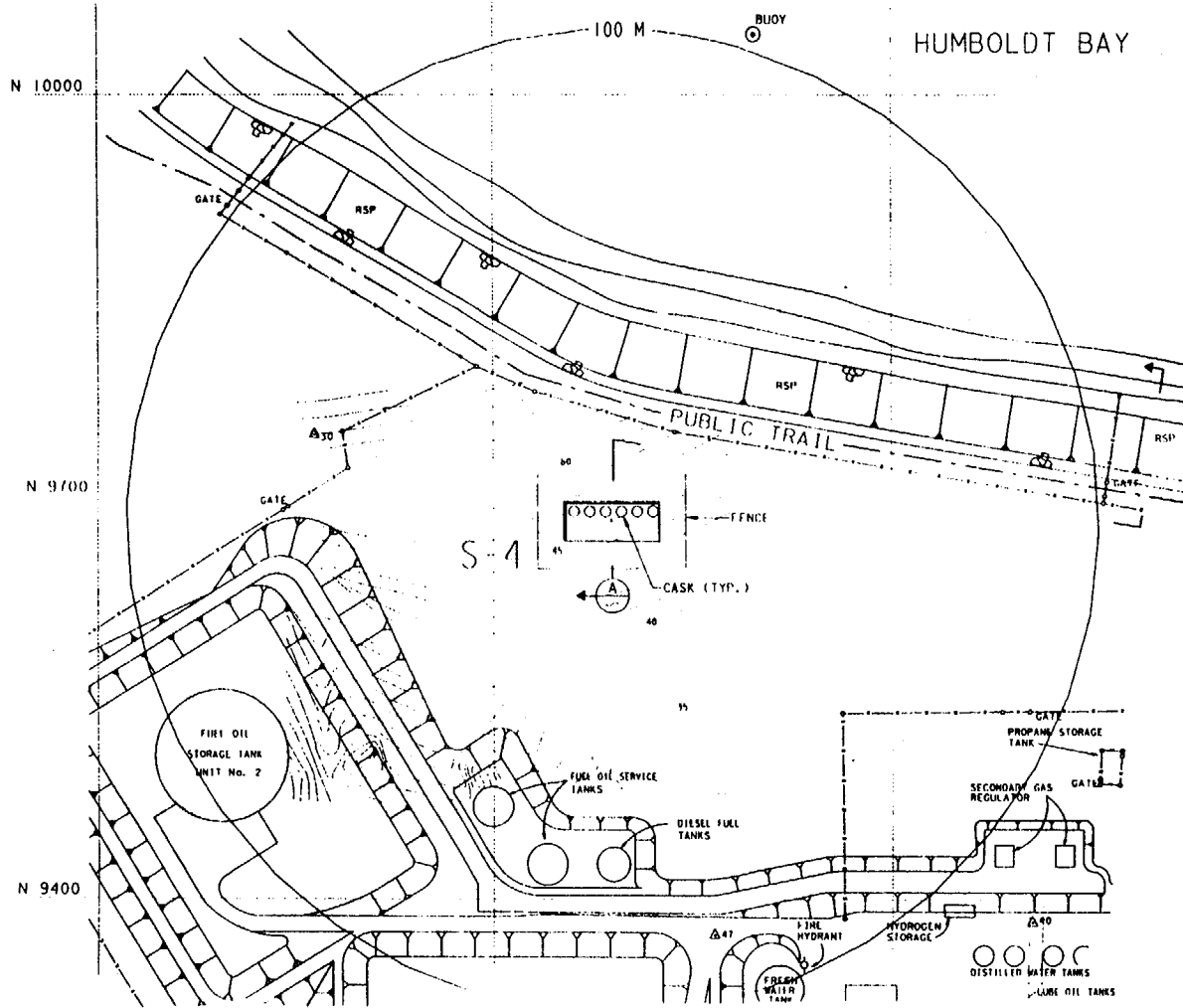
Humboldt Bay ISFSI - Preferred Site Location

- Five potential sites within plant protected area were evaluated
- Preferred site was selected for following reasons:
 - Little, if any, earthquake surface faulting expected
 - Least susceptible to tsunami because of elevation
 - Would not interfere with Unit 3 dismantling
 - Away from activities related to operation of fossil units

Photo of HBPP Area



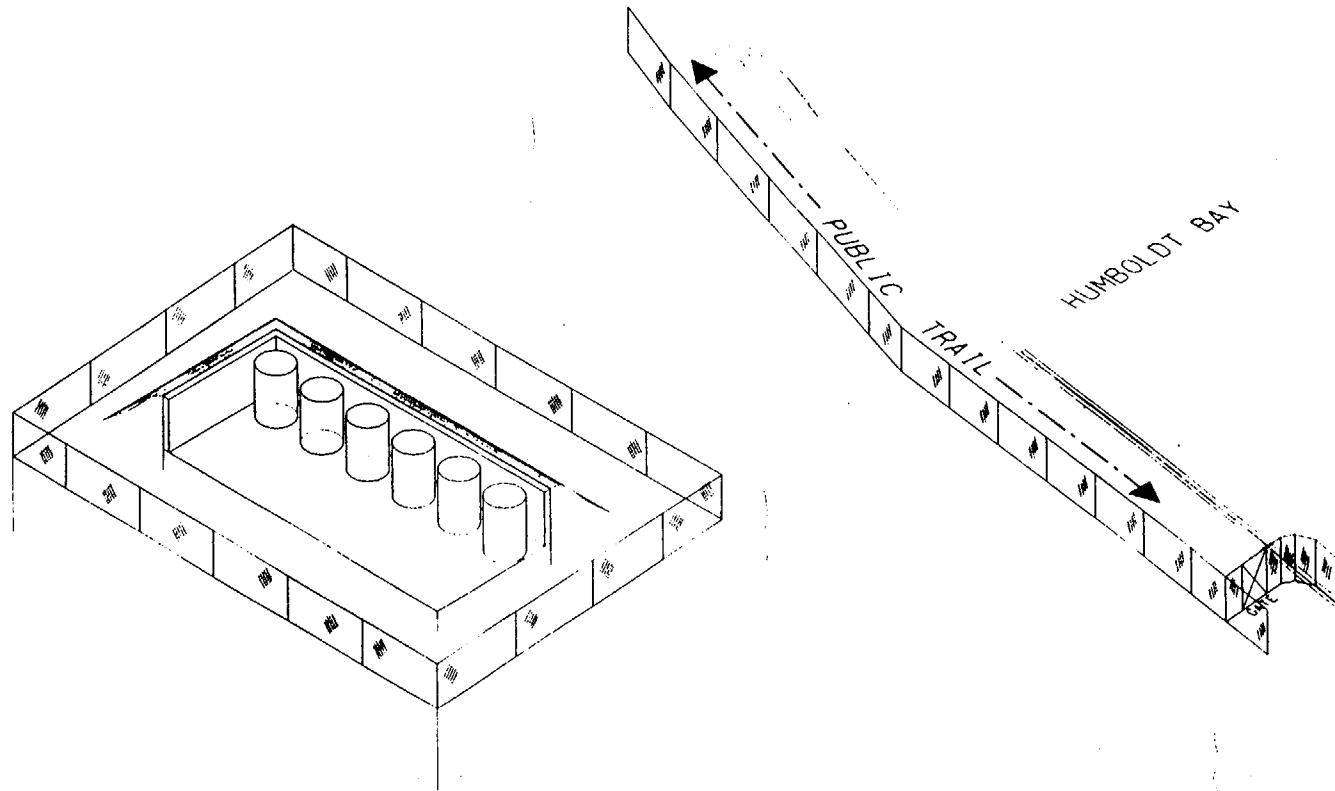
Humboldt Bay ISFSI Controlled Area



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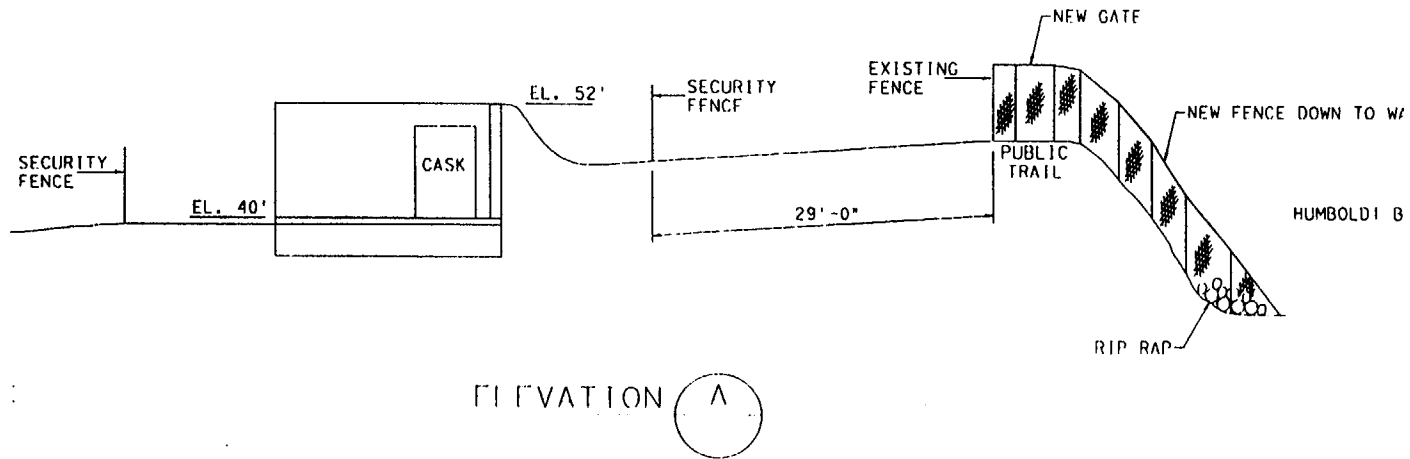


Isometric View of ISFSI Pad and Public Trail



ISOMETRIC VIEW
N. T. S.

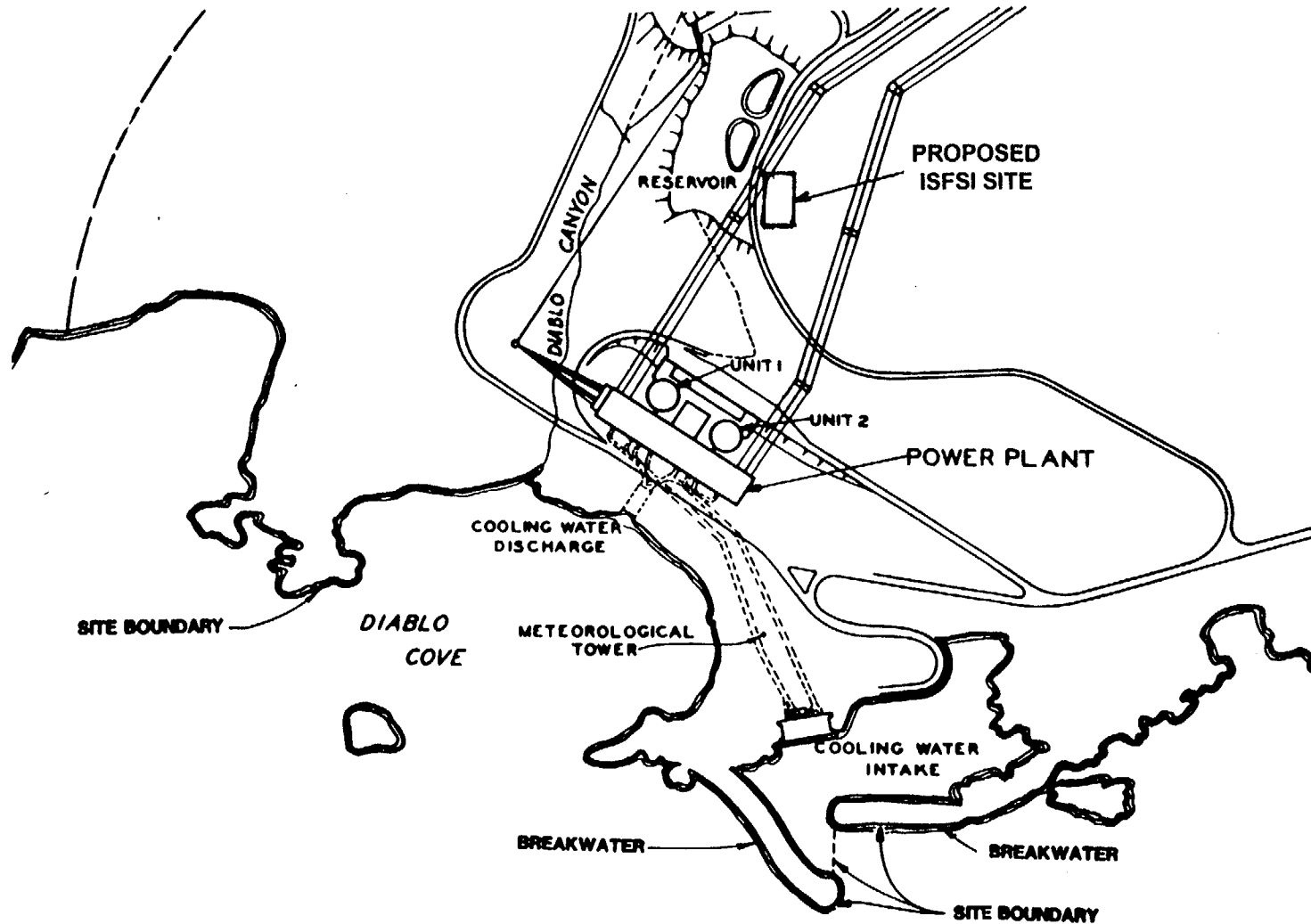
Elevation Section Through Pad to Bay



Humboldt Bay ISFSI Controlled Area

- The controlled area boundary is 100 meters from the nearest spent fuel storage cask (in accordance with 10 CFR 72.106)
- PG&E owns all property within the 100 meter controlled area
- PG&E will establish measures to control activities, when necessary, for those parts of the public trail, bayside rip rap, and bay that are within the 100 meter distance

DCPP Area Proposed ISFSI Site



Physical Protection Plan Diablo Canyon ISFSI

- Will be prepared in accordance with 10 CFR 73.51 and NUREG-1619
- 73.51 requires location of a hardened primary alarm station within the ISFSI protected area
- PG&E is planning to request an exemption from this requirement for the Diablo Canyon ISFSI

Potential Diablo Canyon Security Exemption

- Locate the ISFSI primary alarm station at the Diablo Canyon Power Plant primary alarm station, which is in the power plant protected area, approximately 500 meters from the proposed ISFSI site
- The existing DCPD alarm station meets all other Part 72 requirements that the station be bullet-resisting and configured such that activities within the station are not visible from outside the protected area

Future Meetings

- Discuss possible use of probabilistic design basis for operations involving cask loading and transport to the ISFSI pad
- Continue periodic communications meetings to discuss status and other potential licensing issues

Pacific Gas and Electric Company
Humboldt Bay Power Plant, Unit 3
Docket No. 50-133

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Diablo Canyon Nuclear Power Plant
72-26 (50-275, -323)

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