

UNITED STATES
NUCLEAR REGULATORY COMMISSION
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OCT 9 1975



DOCKET NOS. 50-275 and 50-323

APPLICANT: PACIFIC GAS AND ELECTRIC COMPANY

FACILITY: DIABLO CANYON NUCLEAR POWER STATION, UNITS 1 & 2

SUMMARY OF MEETING WITH PACIFIC GAS AND ELECTRIC COMPANY TO DISCUSS
FORTHCOMING GEOLOGY/SEISMOLOGY SUBMITTAL FOR DIABLO CANYON NUCLEAR
POWER STATION, UNITS 1 & 2 (OL)

Members of the NRC staff met with a representative of Pacific Gas and Electric Company (PG&E) in Bethesda, Maryland on August 28, 1975 to discuss a forthcoming geology and seismology submittal for Diablo Canyon. A list of participants is presented in the enclosure.

PG&E was preparing a submittal to address:

- (1) The earthquake to be associated with the Hosgri Fault.
- (2) The calculated acceleration (g-value) at the site resulting from such an earthquake.
- (3) The ground response spectrum to be associated with that g-value, and
- (4) The effect of the earthquake, with its associated g-value and ground response spectrum at the site, on the plant structures, equipment and systems.

In connection with the forthcoming submittal, PG&E had been discussing the shape of the ground response spectrum (item (3) above) with its consultant, John Blume. Acceptability of the spectral shape to the staff would be among the considerations in selecting a spectral shape. Previous staff questions to PG&E had implied that a narrow spectrum, such as a Parkfield-5 or Castaic earthquake spectrum, would be appropriate for the Hosgri Fault. However, PG&E and John Blume were also considering a broad spectrum similar to the spectrum given in Regulatory Guide 1.60. Such a broad spectrum could be obtained by enveloping or averaging appropriate specific narrow spectra from the Parkfield-5, Castaic and several other earthquakes. It would have a more severe effect on structures, equipment and systems than a narrow spectrum. PG&E wished to learn as much as possible about the staff's attitude on this matter.

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The staff technical personnel responsible for reviewing the adequacy of the ground response spectra (Site Analysis Branch) did not participate in the meeting. However, staff personnel from Reactor Licensing and from the Structural Engineering Branch discussed the matter with the PG&E representative. The staff personnel did not give a firm recommendation on which spectrum to use. The staff did state that when PG&E selected a spectrum, the staff would review its adequacy for assessing the effects of an earthquake on the Hosgri Fault and that this did not necessarily mean that a broad spectrum such as the one in Regulatory Guide 1.60 would be required.

Dennis P. Allison

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Enclosure:
Attendance List