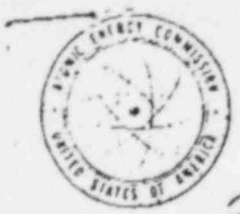


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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

Docket Nos. 50-275
and 50-323

OCT 9 1973

APPLICANT: PACIFIC GAS AND ELECTRIC COMPANY (PG&E)

FACILITY: DIABLO CANYON UNITS 1 AND 2

SUMMARY OF SITE VISIT AND MEETING HELD ON OCTOBER 25, 1973 TO DISCUSS
QUESTIONS RELATED TO THE GEOLOGY AND SEISMOLOGY OF THE AREA

The site visit and meeting were held to discuss certain aspects of the geology and seismology of the site and the surrounding areas. In addition to their own people, PG&E was represented by two of their consultants, Harding and Lawson and Earth Sciences. The staff had also requested the Corps of Engineers to participate in the meeting. A list of participants is attached as Enclosure No. 1.

The tour of the site concentrated on the slope east of the plant where questions of slope stability have been raised by the staff (see pages 5-6 of Enclosure 1 of the letter to PG&E dated 8-13-73). As requested by the staff, the applicant has recently begun further field testing on the slope to obtain additional borings at several locations. This work is being performed by Harding and Lawson. The drilling program was in progress during the site tour, and several borings were inspected at this time.

During the meeting following the site tour, the following particularly significant items were discussed:

1. Slope Stability

Harding and Lawson indicated that their final report on the additional borings and associated laboratory testing would not be sent to PG&E until 12-31-73. The staff indicated that this date was late, considering that first round questions would be due around this time, and that we planned to ask the Corps of Engineers to review this material before then. After some discussion, Harding and Lawson agreed with PG&E to supply complete boring logs by 11-12-73, and preliminary results of the laboratory testing by 12-3-73. This will allow some review of

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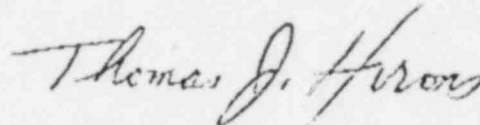
the slope stability material to be performed before the final report is submitted.

2. Seismology

A. With regard to the 1927 earthquake centered off Santa Barbara (see page 4 of Enclosure 1 of the 8-13-73 letter), the staff indicated that this event is likely to be used as a model for evaluating potential local tsunamic generation, and that any information available on the tectonic structure of this area should be provided soon. PG&E and Earth Sciences replied that some information on this is available from the USGS work of Silver and Wagner, but that the results are not currently available in the open literature. The Staff will check with USGS as to the availability of this work.

B. The Staff has requested additional information on offshore faults. PG&E indicated that this subject is discussed to some extent in a report by Hoskins and Griffith, Reference 17, page 2.5-83 of the FSAR, but that more recent information is expected from the USGS work being funded by the AEC. The results of this work should be available about the middle of November, 1973.

PG&E was not able to have Dr. Stewart W. Smith, their Chief seismological consultant, present for the meeting. It was agreed that another meeting will be necessary when Dr. Smith is available to discuss the earthquake design criteria for Diablo Canyon.



Thomas J. Hiron
PWR Branch No. 3
Directorate of Licensing

Enclosure:
Attendance List

DISTRIBUTION:
AEC PDR
Local PDR
RCDeYoung
RWNlecker
RO (3)
TR Assistant Directors
TR Branch Chiefs
VHWilson
LChandler
RCushman
RP Assistant Directors
RP Branch Chiefs

RFFraley (16)
JMHendrie
TJHiron
Meeting Attendees from REG

ENCLOSURE NO. 1
ATTENDANCE LIST

OCT 31 1973

PACIFIC GAS & ELECTRIC COMPANY

V. J. Chio
J. B. Hoch
W. J. Lindblad
J. McLaughlin

HARDING & LAWSON

F. Rollo
H. Taylor

EARTH SCIENCES

D. Hamilton

AEC - LICENSING

A. T. Cardone
T. J. Hiron
J. C. Stepp

U.S. ARMY CORPS OF ENGINEERS (LOS ANGELES DISTRICT)

G. A. Fuquay
L. J. Lauro
V. F. Minor

- FSAR
DABLO
CANYON
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