

Project: S-78
Docket: 50-133

Robert H. Bryan, Chief
Research & Power Reactor Safety Br.

MAR 15 1962

Charles D. Lake, Chief
Criticality Evaluation Br.

PACIFIC GAS AND ELECTRIC CO., HUMBOLDT BAY POWER PLANT -- DOCKET 50-133 --
REVIEW OF CRITICALITY SAFETY IN FUEL STORAGE VAULT AND STORAGE POOL

Ref: DLR:FKD

In response to your request of March 6, 1962, we have reviewed the subject material and find the information furnished, insufficient. The following additional information is requested from PG&E in order that we may complete our review to assure safety from accidental criticality:

1. Submission of all calculations and experimental data and any other means employed in their analysis such that we can make an independent determination that the arrangements existing in the storage vault and pool are clearly subcritical.

In the event that PG&E submits justifications that are derived either by use of computer codes or by manually-calculated methods, we require (a) experimental data proving validity and applicability of the calculation (the experimentally verified system should be as similar as possible to the one under investigation) and (b) presentation of assumptions and evaluation of accuracy of the method.

2. It is stated "... Storage of material other than fuel assemblies and their associated channels will not be permitted within arrays of stored fuel." Will any source or special nuclear materials other than fuel assemblies be stored in the storage vault and pool? If so, a description of these materials and additional safety analyses will be required.

CC: Robert Wilcox

OFFICE ▶	DL&R:FL:CEB	DL&R:FL:CEB				
SURNAME ▶	F.K.Durkan/vj	C.D.Lake				
DATE ▶	3/13/62 (KD)	3/13/62				

Form AEC-318 (Rev. 9-53)

U. S. GOVERNMENT PRINTING OFFICE 16-62761-3

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Memorandum

(→ Supp. 50-133

TO : Robert H. Bryan, Chief
Research & Power Reactor Safety Br.

DATE: MAR 1 1962

FROM : Charles D. Luke, Chief
Criticality Evaluation Br. *CDL*

SUBJECT: PACIFIC GAS AND ELECTRIC CO., HUMBOLT BAY POWER PLANT -- DOCKET 50-133 --
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K. W.

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