



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

AUG 3 1984

MEMORANDUM FOR: T. M. Novak, Assistant Director
for Licensing, DL

FROM: L. S. Rubenstein, Assistant Director
for Core and Plant Systems, DSI

SUBJECT: EVALUATION OF PACIFIC GAS AND ELECTRIC COMPANY PROPOSED
INADEQUATE CORE COOLING INSTRUMENTATION SYSTEM FOR
DIABLO CANYON NUCLEAR POWER PLANT, UNIT 1

Plant Name: Diablo Canyon Nuclear Power Plant, Unit 1
Docket Number: 50-275
TACS Number: 54435
NSSF Supplier: Westinghouse
Licensing Stage: OR
Responsible Branch: LB #3
Project Manager: Hans Schierling
Review Status: Incomplete

The Core Performance Branch has reviewed the licensee's April 27, 1983 response to the NRC December 10, 1982 Generic Letter No. 82-28, "Inadequate Core Cooling Instrumentation (ICCI) System," and has found that the licensee's proposed approach to the Westinghouse Reactor Vessel Level Instrumentation System (RVLIS) is acceptable. However, our implementation review is incomplete. We will require the licensee to provide the implementation letter report described in Enclosure 2 in order that the staff can complete its implementation review of the installed RVLIS.

The enclosed SER including input from ICSB and ORNL presents the results of our review. The SER also identifies some concerns relating to the proposed ICCI System, and requests additional information relative to conformance of some components of the ICCI system to NUREG-0737 design requirements.

Please forward the enclosed evaluation report to the licensee and request that Pacific Gas and Electric Company initiate necessary actions to implement its ICCI system and that a schedule for additional submittals, including response to Enclosures 1 and 2, be provided within 30 days.

Contact: T. Huang, CPB:DSI
X-27064

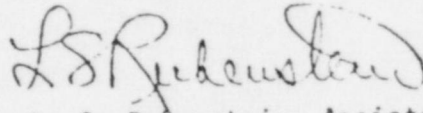
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A SALP review is provided in Enclosure 3.



L. S. Rubenstein, Assistant Director
for Core and Plant Systems, DSI

Enclosures:
As stated

cc: D/DSI
D. Eisenhut
G. Knighton
B. Sheron
F. Rosa
J. Shea
H. Schierling
D. Ziemann
V. Moore
H. Li

ENCLOSURE 3

DIABLO CANYON UNIT 1 SALP INPUT FROM THE CORE PERFORMANCE BRANCH
FOR THE RESPONSE TO G.L. 82-28
"INSTRUMENTATION FOR DETECTION OF INADEQUATE CORE COOLING"

A. Licensing Activities

1. Management Involvement in Assuring Quality.

Decision making generally at a level that ensures excellent management review on the reactor inventory tracking system.

Rating: Category 1

2. Approach to Resolution of Technical Issues from a Safety Standpoint.

Adequate approach to resolve ICC issues.

Rating: Category 2

3. Responsive to NRC Initiatives.

Response generally adequate.

Rating: Category 2

4. Staffing (including Management).

No basis for rating.

5. Reporting and Analysis of Reportable Events.

No reportable event has been brought to our attention.

6. Training and Qualification Effectiveness.

No basis for rating.

7. Overall Rating for Licensing Activity Functional Area.
Adequate.

Rating: Category 2