



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

MAY 2 1984

MEMORANDUM FOR: ~~Thomas M. Nauak, Assistant Director for Licensing~~
~~Division of Licensing~~

FROM: R. Wayne Houston, Assistant Director for Reactor Safety
Division of Systems Integration

SUBJECT: DIABLO CANYON 1&2 - REVIEW OF DESIGN FOR AUTOMATIC SHUNT TRIP
FOR SCRAM BREAKERS

Plant Name: Diablo Canyon Units 1 and 2
Docket No.: 50-275 & 50-323
Licensing Status: OL
TAC No.: 53171
Responsible Branch: LB #3
Project Manager: H. Schierling
Review Branch: ICSB
Review Status: Complete

By letter dated December 20, 1983, Pacific Gas and Electric Company (PG&E) provided a response to Generic Letter 83-28 including Item 4.3, Reactor Trip System Reliability (Automatic Actuation of the Shunt Trip Attachment for W plants). Included was a response to plant specific questions identified in the NRC evaluation of the Generic Westinghouse design which was submitted by the Westinghouse Owner's Group on June 14, 1983.

Enclosed is our safety evaluation report (SER) which addresses the licensee's response to Item 4.3 of Generic Letter 83-28. We find the design modifications acceptable conditioned on:

- a) Submission of test procedure used to independently verify operability of the undervoltage and shunt trip device.
- b) Confirmation of the seismic qualifications of shunt trip attachments and the associated circuitry.
- c) Submission of results of life cycle testing and conclusions related to response time testing.
- d) Submission of revised test procedure for manual reactor trip testing.
- e) Submission of the proposed technical specification changes to require periodic testing of the undervoltage and shunt trip functions.

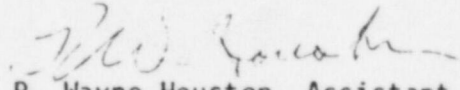
Contact:
N. Trehan, ICSB
X27589

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ICSB considers their actions on this TAC complete since the enclosed SER sets forth conditions which will permit an acceptable design.

Enclosed is the SALP input for this review.


R. Wayne Houston, Assistant Director
for Reactor Safety
Division of Systems Integration

Enclosures:
As stated

cc: R. Mattson
G. Knighton
H. Schierling

ENCLOSURE

ICSB SALP INPUT

PLANT: Diablo Canyon - Units 1 & 2

SUBJECT: Review of Design for Automatic Shunt Trip for Scram Breakers

5/2

ICSB
Trehan
Shunt Breakers

EVALUATION CRITERIA	PERFORMANCE CATEGORY	BASIS
1. Management Involvement	N/A	No basis for assessment.
2. Approach to Resolution of Technical Issues	1	An understanding of the issue was demonstrated.
3. Responsiveness	1	Technically sound and thorough responses to NRC initiatives were made to effect a timely resolution.
4. Enforcement History	N/A	No basis for assessment.
5. Reportable Events	1	The reporting of the design modifications for automatic shunt trip for scram breakers was complete & timely.
6. Staffing	N/A	No basis for assessment.
7. Training	N/A	No basis for assessment.



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JUL 10 1984

MEMORANDUM FOR: ~~Thomas M. Novak, Assistant Director~~
for Licensing, Division of Licensing

FROM: R. Wayne Houston, Assistant Director
for Reactor Safety, Division of Systems Integration

SUBJECT: DIABLO CANYON NUCLEAR POWER PLANT, UNITS 1 AND 2 -
SER SUPPLEMENT NO. 24

References:

- (1) Petition filed by Government Accountability Project
Institute For Policy Studies on February 2, 1984
- (2) Letter from D. A. Brand to H. R. Denton, dated
March 29, 1984
- (3) Letter from B. W. Sheron to G. W. Knighton, dated
April 19, 1984
- (4) Letter from G. W. Knighton to J. O. Schuyler, dated
May 21, 1984
- (5) Letter form J. O. Schuyler to G. W. Knighton, dated
May 24, 1984
- (6) Letter from J. O. Schuyler to G. W. Knighton, dated
June 6, 1984
- (7) Letter from J. O. Schuyler to G. W. Knighton, dated
July 2, 1984

Plant Name: Diablo Canyon, Units 1 and 2
Docket Number: 50-275/323
Licensing Stage: OL
Responsible Branch: Licensing Branch #3
Project Manager: H. Schierling
DSI Review Branch: Reactor Systems Branch
Review Status: Awaiting Information

Enclosure 1 to this memo provides Reactor Systems Branch inputs to Diablo Canyon Units 1 and 2 SSER No. 24. These inputs include the staff evaluation of the petition filed by Government Accountability Project Institute for Policy Studies (GAP) on February 2, 1984 (Items No. G, 153, 154, 155, 159, 162, 167, and 169) and the updated information on the allegation Nos. 39 and 45. Our evaluations reflect information in the reference letters.

Contact: C. Liang, x24754

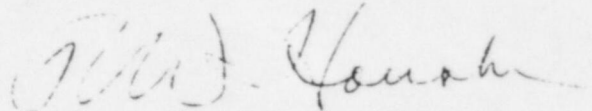
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JUL 10 1984

Please note that the part of GAP 169 with regard to the administrative actions of PG&E is outside the RSB review scope and is not included in Enclosure 1.

Enclosure 2 contains the staff SALP evaluation.



R. Wayne Houston, Assistant Director
for Reactor Safety
Division of Systems Integration

Enclosure: As stated

cc: D. Muller	RSB S/Ls
R. Capra	H. Schierling
F. Rosa	A. Marchese
G. Knighton	

C. Liang 7/10/84
Houston / Novak

ENCLOSURE 2

SALP INPUT

The purpose of this enclosure is to document our evaluation of the licensee's performance during DSI's Safety Evaluation Review. The following criteria from NRC Appendix 0516 are the only ones relevant to this evaluation.

1. Management Involvement in Assuring Quality

This action was handled by personnel at the appropriate level of management. The utility involved the necessary in-house technical staff.

Rating: Category 2

2. Approach to Resolution of Technical Issues

The applicant performed the work required. The quality of applicant's submittal, was satisfactory.

Rating: Category 2

3. Response to NRC Initiatives

The applicant's responses to the NRC's Request for Additional Information (RAI) was satisfactory.

Rating: Category 2

4. Overall Rating: Category 2