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 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Ga 05000275
 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323
 AUTH. NAME AUTHOR AFFILIATION
 SCHUYLER, J.O. Pacific Gas & Electric Co.
 RECIP. NAME RECIPIENT AFFILIATION
 KNIGHTON, G.W. Licensing Branch 3

SUBJECT: Forwards response & schedule for completing five conditions for proposed design mod to automatic shunt trip for scram breakers, in response to Generic Ltr 83-28.

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NOTES: J Hanchett 1cy PDR Documents. 05000275
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THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5800 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637
TEL: 773-936-3700
FAX: 773-936-3701
WWW: WWW.CHEM.UCHICAGO.EDU

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PG&E + 77 BEALE STREET • SAN FRANCISCO, CALIFORNIA 94106 • (415) 781-4211 • TWX 910-372-6587

J. O. SCHUYLER
VICE PRESIDENT
NUCLEAR POWER GENERATION

May 24, 1984

PGandE Letter No.: DCL-84-194

Mr. George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington D.C. 20555

Re: Docket No. 50-275, OL-DPR-76
Docket No. 50-323
Diablo Canyon Units 1 and 2
GL No. 83-28, Generic Implication of ATWS Events
Item 4.3 "Reactor Trip System Reliability"

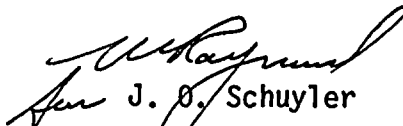
Dear Mr. Knighton:

In a letter dated May 16, 1984, the NRC found PGandE's proposed design modification to the automatic shunt trip for scram breakers acceptable subject to five listed conditions. PGandE plans to install the automatic shunt trip modification prior to power ascension.

PGandE's response and schedule for completing those five conditions are contained in the enclosure.

Kindly acknowledge receipt of this material on the enclosed copy of this letter and return it in the enclosed addressed envelope.

Sincerely,


for J. O. Schuyler

Enclosure

cc: J. B. Martin
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ENCLOSURE

1. Submission of test procedure used to independently verify operability of the undervoltage and shunt trip device.

Response

PGandE will submit the test procedure after the completion of shunt trip modification and performance tests prior to the start of the power ascension program.

2. Confirmation of the seismic qualifications of shunt trip attachments and associated circuitry.

Response

The Westinghouse seismic qualification tests to demonstrate operability of the shunt trip in accordance with the provision of Regulatory Guide 1.100 Revision 1, which endorses IEEE Standard 344, have been completed.

PGandE concurs with Westinghouse's conclusion that the relays are seismically acceptable for the Diablo Canyon application; their structural integrity will be maintained during and after the design basis earthquake event and will be capable of opening on command after this earthquake. The technical bases for this judgment are given in the Westinghouse proprietary report entitled "Seismic Evaluation of MDR #5134 Relays for Diablo Canyon DB RTS," dated April, 1984.

3. Submission of revised test procedure for manual reactor trip testing.

Response

The revised test procedure is currently being finalized. PGandE will submit the revised procedure after the completion of shunt trip modification and prior to the start of the power ascension program.

4. Submission of results of life cycle testing and conclusions related to response time testing.

Response

The life cycle testing is currently under way as a part of the WOG program. PGandE is a member of the WOG, and its finding will be reported when testing is completed. The test is scheduled to be completed on or about July 1, 1984.



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5. Submission of the proposed technical specification changes to require periodic testing of the undervoltage and shunt trip functions.

Response

PGandE is currently preparing the proposed technical specification changes, including additional testing requirements; these will be submitted prior to the start of the power ascension program.



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