

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8307290221 DOC. DATE: 83/07/27 NOTARIZED: NO DOCKET #
 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Gas 05000275
 AUTH. NAME: AUTHOR AFFILIATION
 SCHUYLER, J. O. Pacific Gas & Electric Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 KNIGHTON, G. Licensing Branch 3

SUBJECT: Forwards response to NRC question re classification of instrumentation & control for containment isolation valves FCV-37 & FCV-38.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR ___/ ENCL ___/ SIZE: 3
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES: J Hanchett icy PDR Documents.

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| | NRR LB3 LA | | 1 | 0 | BUCKLEY, B. | 01 | 1 | 1 | |
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| | NRR/DSI/PSB | 19 | 1 | 1 | NRR/DSI/RAB | 22 | 1 | 1 | |
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| | RGNS | | 3 | 3 | RM/DDAMI/MIB | | 1 | 0 | |
| EXTERNAL: | ACRS | 41 | 6 | 6 | BNL (AMDTs ONLY) | | 1 | 1 | |
| | DMB/DSS (AMDTs) | | 1 | 1 | FEMA-REP DIV | 39 | 1 | 1 | |
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ACCESSION NO: 83075051 DOC DATE: 83071577 RECLASSIFIED: NO
FACIL: 50-52 Palo Canyon Nuclear Power Plant Unit 1 Pacific 98 020052P
AUTHOR AFFILIATION Pacific Gas & Electric Co.
RECIPIENT AFFILIATION LICENSING BRANCH 3
KNIGHTON, G. SCHUYLER, J.O. AUTH. NAME

SUBJECT: Forwards response to ARC question re classification of instrumentation & control for containment isolation valves
FCV-37 & FCV-38.

TITLE: Licensing Submittal: PSAR\PSAR Amts & Related Correspondence
DISTRIBUTION CODE: 8018 COPIES RECEIVED: LTR -- ENCL -- SIZE: -----

NOTES: 3 Handset for ROR Documents. 820052P

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| ELUNDS | 1 | IE FILE | 1 | IE FILE | 1 |
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| INDEX PERIODS 51 | 1 | INDEX PERIODS 51 | 1 | INDEX PERIODS 51 | 0 |
| INDEX PERIODS 11 | 1 | INDEX PERIODS 11 | 1 | INDEX PERIODS 11 | 1 |
| INDEX PERIODS 13 | 5 | INDEX PERIODS 58 | 58 | INDEX PERIODS 58 | 5 |
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| LPOR | 02 | MRC POR | 02 | MRC POR | 1 |
| ASIC | 02 | NTIS | 02 | NTIS | 1 |
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PACIFIC GAS AND ELECTRIC COMPANY

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J. O. SCHUYLER
VICE PRESIDENT
NUCLEAR POWER GENERATION

July 27, 1983

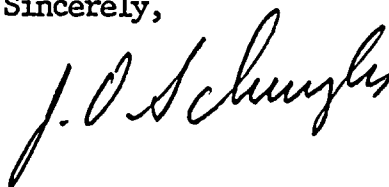
Mr. George Knighton, Chief
Licensing Branch No. 3
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Docket No. 50-275, OL-DPR-76
Diablo Canyon Unit 1
Information on EOI-8018

Dear Mr. Knighton:

The attached information is in response to the NRC Staff's question concerning classification of instrumentation and control for containment isolation valves FCV-37 and FCV-38, as described in EOI-8018.

Sincerely,



Attachment

cc: Service List

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ATTACHMENT TO G. KNIGHTON LETTER JULY 27, 1983

In the review of EOI-8018, Class I Qualification of FCV-37 and FCV-38, the NRC Staff requested justification for the use of Design Class II instrumentation and controls for valves FCV-37 and FCV-38 when considering the containment isolation function.

The operators for valves FCV-37 and FCV-38 were procured and installed as Class IE. They use Limitorque SMB actuators that have been qualified for harsh environment outside containment.

These valves are designated as containment isolation valves; however the safety function of the system in which they are located, as defined in BTP ICSB 13, "Design Criteria for Auxiliary Feedwater System," is for the valves to remain open. In this non-isolated position, steam can then be provided to the auxiliary feedwater turbine.

While procured and installed as Design Class I, these valves have been designated instrument Class II because their operation is not required for the Auxiliary Feedwater System to perform its safety function. They are shown as being normally open in the FSAR. As stated in the FSAR, these valves remain open after a containment isolation signal but are manually operable from the control room.

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For the case of a postulated steam generator tube rupture, whether the operator closes valves FCV-37 and FCV-38 is not significant. The dose contribution through the valve pathway is insignificant, since most of the steam is assumed in the FSAR analysis to be dumped directly into the atmosphere through the main steam safety and relief valves. This analysis is documented in Section 15.4.3 of the Diablo Canyon FSAR.

If required, the pathway through the AFW turbine can be isolated manually from the control room either by closing FCV-37 and FCV-38, or by closing FCV-95 which is designed, procured, installed and designated as an Instrument Class IA valve. In fact, considering the time frame available and the nonaccident dose rate levels, these valves can be manually closed at the valve.

PGandE's position is that while the valve operators have been procured and installed to the same criteria as instrument Class IA valves, they have been properly classified as instrument Class II because of their system function.

The following information was obtained from the records of the
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