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 Ga 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 1 ENCL 1 SIZE: 3
TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES:J Hanchett 1cy PDR Documents. 05000275

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR/DL/ADL		1	0	NRR LB3 BC		1	0
	NRR LB3 LA		1	0	BUCKLEY,B.	01	1	1
INTERNAL:	ELD/HDS2		1	0	IE FILE		1	1
	IE/DEPER/EPB	36	3	3	IE/DEPER/IRB	35	1	1
	IE/DEQA/QAB	21	1	1	NRR/DE/AEAB		1	0
	NRR/DE/CEB	11	1	1	NRR/DE/EHEB		1	1
	NRR/DE/EQB	13	2	2	NRR/DE/GB	28	2	2
	NRR/DE/MEB	18	1	1	NRR/DE/MTEB	17	1	1
	NRR/DE/SAB	24	1	1	NRR/DE/SGEB	25	1	1
	NRR/DHFS/HFEB	40	1	1	NRR/DHFS/LQB	32	1	1
	NRR/DHFS/PSRB		1	1	NRR/DL/SSPB		1	0
	NRR/DSI/AEB	26	1	1	NRR/DSI/ASB		1	1
	NRR/DSI/CPB	10	1	1	NRR/DSI/CSB	09	1	1
	NRR/DSI/ICSB	16	1	1	NRR/DSI/METB	12	1	1
	NRR/DSI/PSB	19	1	1	NRR/DSI/RAB	22	1	1
	NRR/DSI/RSB	23	1	1	REG FILE	04	1	1
	RGN5		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
	LPDR	03	2	2	NRC PDR	02	1	1
	NSIC	05	1	1	NTIS		1	1
NOTES:			1	1				

TOTAL NUMBER OF COPIES REQUIRED: LTTR 55 ENCL 48

ACCESSION NBR:8309290251 DOC.DATE: 83/09/27 NOTARIZED: NO DOCKET #
FACIL:50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Ga 05000275
AUTH.NAME AUTHOR AFFILIATION
SCHUYLER,J.D. 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:_____
TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES:J Hanchett ltr PDR Documents. 05000275

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	NRR/DL/ADL	1	0	NRR LB3 BC	1	0
	NRR LB3 LA	1	0	BUCKLEY,B. 01	1	1
INTERNAL:	ELD/HDS2	1	0	IE FILE	1	1
	IE/DEPER/EPB 36	3	3	IE/DEPER/IRB 35	1	1
	IE/DEQA/QAB 21	1	1	NRR/DE/AEAB	1	0
	NRR/DE/CEB 11	1	1	NRR/DE/EHEB	1	1
	NRR/DE/EQB 13	2	2	NRR/DE/GB 28	2	2
	NRR/DE/MEB 18	1	1	NRR/DE/MTEB 17	1	1
	NRR/DE/SAB 24	1	1	NRR/DE/SGEB 25	1	1
	NRR/DHFS/HFEB40	1	1	NRR/DHFS/LQB 32	1	1
	NRR/DHFS/PSRB	1	1	NRR/DL/SSPB	1	0
	NRR/DSI/AEB 26	1	1	NRR/DSI/ASB	1	1
	NRR/DSI/CPB 10	1	1	NRR/DSI/CSB 09	1	1
	NRR/DSI/ICSB 16	1	1	NRR/DSI/METB 12	1	1
	NRR/DSI/PSB 19	1	1	NRR/DSI/RAB 22	1	1
	NRR/DSI/RSB 23	1	1	REG FILE 04	1	1
	RGN5	3	3	RM/DDAM1/MIB	1	0
EXTERNAL:	ACRS 41	6	6	BNL(AMDTS ONLY)	1	1
	DMB/DSS (AMDTS)	1	1	FEMA-REP DIV 39	1	1
	LPDR 03	2	2	NRC PDR 02	1	1
	NSIC 05	1	1	NTIS	1	1
NOTES:		1	1			

TOTAL NUMBER OF COPIES REQUIRED: LTTR 55 ENCL 48

PACIFIC GAS AND ELECTRIC COMPANY

PG&E

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

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,

J. O. Schuyler

Attachment

cc: Service List

B001
1/1

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.

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.