

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8407180065 DOC. DATE: 84/07/12 NOTARIZED: NO DOCKET #
 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 Rev 3 to "Diablo Canyon Units 1 & 2 Radiation Shielding Review," per NUREG-0737, Item II.B.2. Rept includes radiation levels for equipment inside containment, high energy line break analysis & vital area access doses. *ENCL*

DISTRIBUTION CODE: A046S COPIES RECEIVED: LTR 1 ENCL 40 ^{ON ENCL} SIZE: 2+400
 TITLE: OR Submittal: TMI Action Plan Rgmt NUREG-0737 & NUREG-0660

NOTES: J Hanchett 1cy PDR Documents. 05000275
 OL: 09/22/81
 J Hanchett 1cy PDR Documents. 05000323
See 1184 Reports

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	NRR LB3 BC 01	7 7		
INTERNAL:	ELD/HDS2	1 0	IE/DEPER DIR 33	1 1
	IE/DEPER/EPB	3 3	IE/DEPER/IRB	1 1
	NRR PAULSON, W.	1 1	NRR/DHFS DEPY29	1 1
	NRR/DL DIR 14	1 1	NRR/DL/ORAB 18	3 3
	NRR/DSI/ADRS 27	1 1	NRR/DSI/AEB	1 1
	NRR/DSI/ASB	1 1	NRR/DSI/RAB	1 1
	NRR/DST DIR 30	1 1	<u>REG FILE</u> 04	1 1
	RGNS	1 1		
EXTERNAL:	ACRS 34	16 16	LPDR 03	2 2
	NRC PDR 02	1 1	NSIC 05	1 1
	NTIS	1 1		
NOTES:		1 1		

TOTAL NUMBER OF COPIES REQUIRED: LTR 48 ENCL 47

Faint, illegible text at the top of the page, possibly a header or introductory paragraph.

Second block of faint, illegible text, appearing as a separate section or paragraph.

Third block of faint, illegible text, continuing the document's content.

Column 1	Column 2	Column 3	Column 4
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			

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 12, 1984

PGandE Letter No.: DCL-84-260

Mr. George W. Knighton
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
Radiation Shielding Review, Rev. 3

Dear Mr. Knighton:

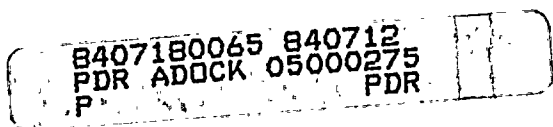
This submittal is provided to meet the requirements of NUREG-0737, Item II.B.2 for Diablo Canyon Unit 2. Regarding Unit 1, the following radiation shielding information was previously provided to the NRC:

1. Diablo Canyon Unit 1, Radiation Shielding Review, Rev. 1, February 20, 1981.
2. Supplement 1 to the above, March 19, 1981.
3. Supplement 2 to the above, June 12, 1981.

Rev. 1 and Supplement 1 were evaluated in Supplements 14 and 15 to the Diablo Canyon Safety Evaluation Report (SSER 14 and 15), and were generally found to be acceptable by the NRC staff. Supplement 2 expanded the Supplement 1 response to close the open items of SSER 14.

The enclosed Radiation Shielding Review, Rev. 3, with its Supplement 1, extends PGandE's review to include Unit 2, and refines and expands the information provided in the previous submittals for Unit 1. The structure, method, contractors, computer codes, source strengths, report organization, and level of detail used in reporting the information in Rev. 3 are the same as were used in the previous submittals. Rev. 3 differs from the previous submittals in the following respects:

1. Radiation levels for equipment inside containment were included as required in NUREG-0737.
2. The analyses included High Energy Line Break as required by NUREG-0737.



A046
1/40

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES

PHYSICS DEPARTMENT
5720 S. DICKINSON DRIVE
CHICAGO, ILLINOIS 60637

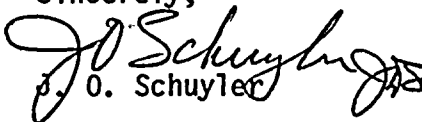
Mr. G. W. Knighton
PGandE Letter DCL-84-260
July 12, 1984
Page 2

3. Radiation qualification of equipment was not included, since the information was covered as part of an overall environmental qualification report for both Units 1 and 2, submitted to the NRC on September 12, 1981 in response to NUREG-0588. SSER 15 included the results of the NRC review on environmental qualification.
4. Equipment locations were more precisely measured during plant walkdowns, and the Rev. 3 calculations use the precise location of each component, rather than the multi-component area locations used for Rev. 1. Some of the results reported in Rev. 3 may be higher or lower than previously reported, but the conclusions of the 1981 environmental qualification report are not affected.
5. Supplement 1 to Revision 3 provides:
 - o vital area access doses for the control room fans and the component cooling water pump valves,
 - o equipment qualification doses for ESF ventilation equipment, and
 - o beta doses inside the containment.

The information provided in Rev. 3 of the Radiation Shielding review, and its Supplement 1, completes the information required in Item II.B.2 of NUREG-0737 for both Units 1 and 2.

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

Sincerely,


J. O. Schuyler

Enclosure

cc: Service List

