REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8507230074 DOC.DATE: 85/07/18 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
SHIFFER,J.D. Pacific Gas & Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
KNIGHTON,G.W. Licensing Branch 3

SUBJECT: Submits addl info re IE Info Notice 85-45 re potential seismic interaction involving movable in-core flux mapping sys.Issue previously addressed by seismically induced sys interaction program.

DISTRIBUTION CODE: A001D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 2
TITLE: OR Submittal: General Distribution

NOTES: 05000275
OL:09/22/81

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR LB3 BC	01	7	7				
INTERNAL:	ACRS	09	6	6	ADM/LFMB		1	0
	ELD/HDS2		1	0	NRR/DE/MTEB		1	1
	NRR/DL DIR		1	1	NRR/DL/ORAB		1	0
	NRR/DL/TSRG		1	1	NRR/DSI/METB		1	1
	NRR/DSI/RAB		1	1	REG FILE	04	1	1
	RGN5		1	1				
EXTERNAL:	24X		1	1	EG&G BRUSKE,S		1	1
	LPDR	03	2	2	NRC PDR	02	1	1
	NSIC	05	1	1				

TOTAL NUMBER OF COPIES REQUIRED: LTTR 29 ENCL 26

PACIFIC GAS AND ELECTRIC COMPANY

PG&E

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

JAMES D. SHIFFER
VICE PRESIDENT
NUCLEAR POWER GENERATION

July 18, 1985

PGandE Letter No.: DCL-85-242

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-80
Docket No. 50-323, OL-DPR-81
Diablo Canyon Units 1 and 2
IE Information Notice 85-45: Potential Seismic Interaction Involving the Movable Incore Flux Mapping System Used in Westinghouse-Designed Plants

Dear Mr. Knighton:

IE Information Notice 85-45 provided notification of a potentially generic problem involving seismic interaction associated with the movable incore flux mapping system used in Westinghouse-designed plants. PGandE has reviewed this information notice for applicability to Diablo Canyon Units 1 and 2. Our review indicates that this potential interaction was previously addressed by our Seismically Induced Systems Interaction Program (SISIP). Although IE Information Notice 85-45 does not require a written response, at the request of the NRC Staff, PGandE is providing the following additional information with regard to this matter.

Background

In March 1982, during the normal course of the Diablo Canyon Unit 1 SISIP, PGandE postulated an interaction between the nonsafety-related portions of the movable incore flux mapping system (interaction source) and the tubing/seal table (interaction target). A similar interaction was postulated for Unit 2 in April 1983 during the Unit 2 SISIP. PGandE requested Westinghouse to review and analyze the potential interaction in September 1982. Westinghouse subsequently performed an analysis to evaluate the ability of the fixed and movable frame assemblies of the flux mapping system to withstand a Hosgri earthquake and maintain structural integrity. Modifications recommended by Westinghouse in November 1982 are summarized below:

- Weld the fixed frame baseplates to the trolley beam
- Replace the 0.375-inch diameter cap screws, which connect the wheel assemblies and the movable frame, with ASTM A325 bolts (or equivalent) of the same size
- Add 0.25-inch plate stiffeners to the movable frame anchors
- Modify existing movable frame seismic anchor brackets in accordance with a new Westinghouse design; provide additional brackets to the free ends of the movable frame wheel assemblies
- Add restraint for isolation valve support structure

PGandE issued design changes on Units 1 and 2 to implement the Westinghouse modifications in June/July 1983. The modifications were completed on Unit 1 in April 1984 and on Unit 2 in early July 1985. A final inspection was conducted by the SISIP walkdown team after the modifications were completed. Additionally, the Unit 2 modifications were inspected by NRR on July 9, 1985 and determined to be satisfactory.

Conclusion

During the normal course of the SISIP, PGandE postulated a seismic interaction between the movable incore flux mapping system and the tubing/seal table. Modifications to the Diablo Canyon flux mapping equipment were subsequently implemented to preclude any potential seismic interaction problems associated with the flux mapping system. No further action regarding IE Information Notice 85-45 is required for Diablo Canyon 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,

cc: R. T. Dodds
J. B. Martin
H. E. Schierling
Service List