

APR 3 1984

Docket No. 50-275

MEMORANDUM FOR: John B. Martin, Administrator
Region V

FROM: Darrell G. Eisenhut, Director
Division of Licensing

SUBJECT: DIABLO CANYON - SYSTEMS INTERACTION PROGRAM

Per your request to George Knighton of my staff, this memorandum provides guidance for verifying the acceptability of plant modifications identified in PG&E's Seismically Induced Systems Interaction Program for Diablo Canyon Nuclear Power Plant, Unit 1. In our evaluation of the program (Section 8.2 of Supplement 11 to the Diablo Canyon Safety Evaluation Report, NUREG-0675), we found the program acceptable and planned to rely upon Region V to verify both the completion of the PG&E program and the acceptability of any modifications made as a result of their program.

We have continued to review documents provided by PG&E concerning the progress and completion of their Seismically Induced Systems Interaction Program. PG&E stated that their program has been completed including the plant modifications. At this time it is necessary to verify both that the plant modifications are completed and that the modifications comply with the objectives of the program as documented by PG&E.

I suggest that the verification should be both (1) an inspection of the PG&E program records to assure the completion of the plant modifications identified by their program and (2) a visual inspection of some of the plant modifications. The visual inspection should provide assurance both that the plant modification resolved the postulated systems interaction and that the modification was examined against not introducing any new systems interaction. To facilitate the visual inspection, we have selected some of the identified interactions which were resolved by plant modification:

<u>PG&E Classification</u>	<u>PG&E Systems Interaction Number</u>
Structural	03-022-001-001
	07-008-001-002
	09-004-002-003
	32-001-033-005
Mechanical	06-001-001-006
	15-001-029-001
	20-004-001-003
	32-001-027-002

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<u>PG&E Classification</u>	<u>PG&E Systems Interaction Number</u>
Piping	01-006-001-001
	18-001-023-002
	22-017-001-001
	24-001-118-001
	25-200-002-001
Electrical	04-004-001-001
	22-001-001-002
	23-012-004-001
	24-012-003-001
I&C	03-028-023-001
	06-001-004-007
	30-001-099-002
HVAC	03-005-002-003
	11-007-005-005
	23-067-002-001
	25-179-002-001

SSER 11 states that the verification will occur during the normal course of inspection activities. Since the matter of systems interactions has been the subject of recent allegations, it is appropriate to complete the verification early. I request the completion by mid-April to allow the results to become part of the staff recommendations to the Commission concerning authorization for full power operations. We expect the verification will require less than one person-week for completion. Please advise us of your schedule and provide a brief report on the results of your verification. NRR personnel can be available to assist your staff in this verification. For further clarification please contact Hans Schierling, Licensing Branch 3, FTS 492-7100 or Frank Coffman, Reliability and Risk Assessment Branch, FTS 492-7497.

Original signed by
Robert A. Purple

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[Signature] Darrell G. Eisenhut, Director
Division of Licensing

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DATE	3/20/84	3/20/84	3/22/84	3/28/84	3/28/84	4/3/84