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 AUTH. NAME: AUTHOR AFFILIATION  
 CRANE, P.A. Pacific Gas & Electric Co.  
 RECIP. NAME: RECIPIENT AFFILIATION  
 MIRAGLIA, F.J. Licensing Branch 3

SUBJECT: Notices of rept to be prepared by 810715 re adequacy of safety-related masonry walls. Rept will address identification, design review, Structural Engineering Branch design criteria, deficiencies & implementation schedule.

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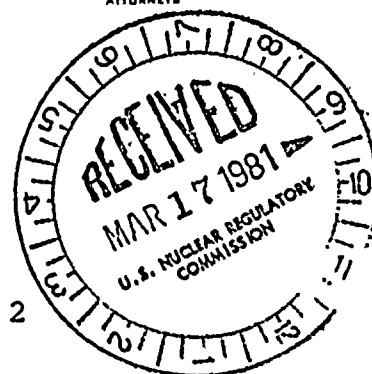
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Mr. Frank J. Miraglia, Jr., Chief  
Licensing Branch No. 3  
Division of Licensing  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Re: Docket No. 50-275  
Docket No. 50-323  
Diablo Canyon Units 1 and 2



Dear Mr. Miraglia:

Regarding the concrete block masonry walls at the Diablo Canyon Nuclear Plant, PG&E intends to prepare a report for the NRC which will identify, analyze and evaluate the adequacy of all safety-related masonry walls in the plant. As reported in the PG&E response to the NRC dated April 21, 1980, the walls have been identified, re-evaluated, and modified to assure compliance with PG&E criteria established prior to Bulletin 80-11.

This report will address the following specific items:

1. Identification: All walls will be listed in a table which will provide a physical description, the location of the walls in the plant, and any safety-related equipment adjacent to or supported on the walls. Floor plans locating the walls will be attached.
2. Design Review:
  - A. The calculations for the governing walls will be evaluated according to the requirements of the IE Bulletin 80-11.
  - B. The QA/QC procedures and practices followed during design and construction will be evaluated against the requirements of 10 CFR 50, Appendix B.

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March 12, 1981

3. Deviations from Structural Engineering Branch (SEB) Design Criteria:

The report will discuss deviations, if any, from the SEB interim criteria for the design of masonry walls and justify such deviations. A discussion of the impact of such deviations will be included.

4. Deficiencies:

A. Seismically Inadequate Walls: All walls that do not meet design criteria and whose failure could damage safety-related equipment will be identified. A method of wall reinforcing will be described.

B. Seismically Adequate Walls: Walls which are seismically adequate but do not meet the QA and QC requirements of Appendix B to 10 CFR 50 will be documented as follows:

1. Their proximity to safety-related equipment will be identified.
2. Typical design calculations of the walls will be included in the report.
3. Test data for establishing material properties will be described.
4. Documentation or a test program demonstrating that walls were constructed in conformance with design requirements will be described or, as an alternative, a justification that assumed construction deficiencies are acceptable will be provided.

5. Implementation Schedule:

- A. The report will include a schedule indicating the completion dates for any required modifications to the walls.
- B. Prior to full power operation any modifications required by the re-evaluation pursuant to Bulletin 80-11 will be completed.
- C. Before the end of the first refueling all differences between the staff interim criteria and PGandE criteria will be resolved and any additional fixes implemented.

The report as described above will be transmitted to the NRC for review and approval by July 15, 1981.

Very truly yours,

*Philip A. Greene*

