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 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Gas 05000275
 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Gas 05000323
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 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.

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for ensuring the integrity of the financial system and for providing a clear audit trail.

2. The second part of the document outlines the various methods used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of standardized forms to ensure that the information gathered is reliable and comparable.

3. The third part of the document describes the process of data analysis and reporting. It notes that the data collected must be carefully reviewed and interpreted to identify trends and anomalies. The resulting reports should be clear, concise, and easy to understand for all stakeholders.

4. The fourth part of the document discusses the challenges associated with data management and the need for robust security measures. It stresses that sensitive information must be protected from unauthorized access and that data should be backed up regularly to prevent loss.

5. The fifth part of the document provides a summary of the key findings and recommendations. It concludes that while there are many challenges, a commitment to transparency and data accuracy is essential for the success of any organization.

6. Finally, the document offers some practical advice for implementing these principles. It suggests that organizations should start by conducting a thorough audit of their current data practices and then develop a plan to address any identified weaknesses.

PACIFIC GAS AND ELECTRIC COMPANY

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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:

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THE STATE OF TEXAS

COUNTY OF DALLAS

BEFORE ME, the undersigned authority, on this day personally appeared _____

known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this _____ day of _____, 19____.

Notary Public in and for the State of Texas

Mr. G. W. Knighton
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- o Weld the fixed frame baseplates to the trolley beam
- o 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
- o Add 0.25-inch plate stiffeners to the movable frame anchors
- o 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
- o 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
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