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50-362 San Onofre Nuclear Station, Unit 3, Southern Californ 05000362
AUTH.NAME AUTHOR AFFILIATION
DIETCH,R. Southern California Edison Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director
EISENHUT,D.G. Division of Licensing

SUBJECT: Forwards GAI Cb Potential Finding Repts 0038 & 0052 issued to C-E & 0040 issued to Bechtel Power Corp. Repts reflect reviewer initial opinion & have not been verified for validity & accuracy by original design organization.

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Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

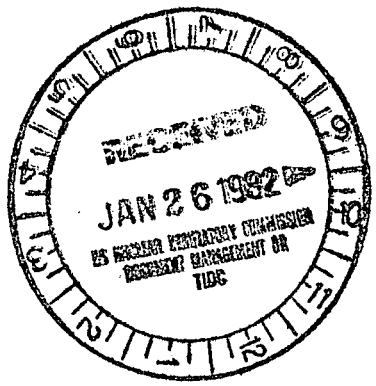
ROBERT DIETCH

VICE PRESIDENT

TELEPHONE

213-572-4144

January 25, 1982



Mr. Harold R. Denton
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Darrell G. Eisenhut

Dear Mr. Denton:

Subject: Docket Nos. 50-361 and 50-362
San Onofre Nuclear Generating Station
Units 2 and 3

Enclosed are seven copies each of Potential Finding Reports Nos. 0038 and 0052 issued to Combustion Engineering Company, as well as No. 0040 issued to Bechtel Power Corporation, by General Atomic Company. These reports reflect the reviewer's initial opinion and have not been verified for validity and accuracy by the original design organization.

If you have any questions regarding this matter, please call me.

Very truly yours,

Robert Dietch/gas

cc: NRC Region V
R. H. Engelken (w encl)

B001
S1/1

TORREY PINES TECHNOLOGY
P.O. Box 81608
San Diego, California 92138
Telephone: (714) 455-2654

GEORGE L. WESSMAN
Director

January 22, 1982

Mr. D. J. Fogarty
Executive Vice President
Southern California Edison
P. O. Box 800
Rosemead, California 91770

Dear Mr. Fogarty:

Attached are Potential Finding Reports 2408-PFR-0038 and 0052.

Sincerely,

George

George L. Wessman
Project Manager

Attachments

cc: J. Adrian - SCE
V. Hall - CE

2408 PFR NO. 0038

POTENTIAL FINDING REPORT
SONGS 2&3 SEISMIC DESIGN VERIFICATION

REVISION _____

A. PREPARATION BY GA INITIATOR

AFFECTED ITEMS: Design Process; Interface Control

REQUIREMENT REFERENCE DOCUMENTS:
(a) Attachment 3, PSAR Section I paragraph 4, and (b) Section IV, paragraph 3.

BASIC REQUIREMENT: (a) "The CE Project Managers within the Nuclear Power Systems Division function as the principal line of communication for all project technical matters between CE, the engineer-constructor and the utility customer." (b) "... the project manager will ensure that all approvals as may be required from utility customer have been obtained."

DESCRIPTION OF POTENTIAL FINDING:

Above requirement not reflected in CE working manuals and procedures. See Attached.

PREPARED BY: [signature] DATE: 1/21/82
REJECTION OF GA TASK LEADER COMMENTS BY: _____ DATE: _____
REJECTION OF ORIGINAL DESIGN ORG. COMMENTS BY: _____ DATE: _____

B. REVIEW BY GA TASK LEADER COMMENTS

☒ AGREE PF IS VALID BY [signature] DATE 1/21/82
☐ REQUEST RE-REVIEW BY _____ DATE _____
☐ DISAGREE BY _____ DATE _____
☐ REVIEW OF ORIGINAL DESIGN ORGS. COMMENTS BY: _____ DATE: _____

The QADM does not clearly delineate how to positively control design interfacing information between CE and A&E/utility. QADM section 5.3, paragraph 3.1 discusses Project Manager's responsibility for defining external distribution and review requirements of CE documents. Neither the responsibility nor a methodology for control of incoming design information and its distribution and review requirements are specified in this QADM. QADM Section 5.0, exhibit number 5.0-1 clearly indicates Project Office to be within the mainstream of "mandatory quality steps".

Though the exhibit 5.0-1 of QADM specifies utility customer review/approval requirements for some procurement documents, prior design manuals such as PE-001 and RD-1 do not address such requirements. Additionally, the design control documents for Reactor Design group prior to 1976, RD-1, did not clearly define project office involvement in controlling the design interface.

2408- FR NO. 0052

POTENTIAL FINDING REPORT
REVISION -

SONGS 2&3 SEISMIC DESIGN VERIFICATION

A. PREPARATION BY GA INITIATOR

AFFECTED ITEMS: Project Design Management

REQUIREMENT REFERENCE DOCUMENTS:

Attachment A, PSAR Section III, Paragraph 6.

BASIC REQUIREMENT: "The Project Manager is responsible for the overall coordination of the project, and in this capacity monitors the design and checks conformance with design specifications and licensing requirements and compatibility of the design with the engineer-constructor interfaces. This monitoring consists of an overall check of design adequacy."

DESCRIPTION OF POTENTIAL FINDING:

The CE design control documents PE 001 and RQ-1 do not address implementation procedure for above requirement. The current procedure QADM (in effect since 5/3/76) also does not effectively address project management task requirement.

PREPARED BY: [signature] DATE: 1-22-82

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TORREY PINES TECHNOLOGY
P.O. Box 81608
San Diego, California 92138
Telephone: (714) 455-2654

GEORGE L. WESSMAN
Director

January 22, 1982

Mr. D. J. Fogarty
Executive Vice President
Southern California Edison
P. O. Box 800
Rosemead, California 91770

Dear Mr. Fogarty:

Attached is Potential Finding Report 2488-PFR-0040.

Sincerely,

George L. Wessman
Project Manager

cc: J. Adrian - SCE
J. Hempe - Bechtel

PFR NO. 2408-PFR-0040

REVISION _____

POTENTIAL FINDING REPORT
SONGS 2&3 SEISMIC DESIGN VERIFICATION

A. PREPARATION BY GA INITIATOR

AFFECTED ITEMS: I&C Equipment Field Mounting Design - Installation and Applicable Details and Drawings for 2LT-0312 and Associated Devices - Calculations for Seismic Category I Mounting Stand and Plate.

REQUIREMENT REFERENCE DOCUMENTS:

Final Safety Analysis Report, San Onofre Nuclear Generating Station Units 2&3, Volume 11, Section 3.10.3.2, Field Mounted Instruments.

BASIC REQUIREMENT: The supports for Seismic Category I instruments, including the connection of the support to the building structure and the mounting of the instrument to the support, are sufficiently rigid to assure a minimum natural frequency of greater than 10 Hz. The minimum frequency limit is established to avoid dynamic amplification and to facilitate selection of a design seismic level according to the corresponding response spectra.

DESCRIPTION OF POTENTIAL FINDING:

Calculation Sheets 19, 21, and 23 use various design seismic acceleration g-levels, but the source of these input values cannot be traced or cited anywhere in the calculation file. In addition, no in-structure response spectra at the mounting location are given.

PREPARED BY: D. Tow DATE: 1-20-82

REJECTION OF GA TASK LEADER COMMENTS BY: _____ DATE: _____

REJECTION OF ORIGINAL DESIGN ORG. COMMENTS BY: _____ DATE: _____

B. REVIEW BY GA TASK LEADER

COMMENTS

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☐ REQUEST RE-REVIEW BY _____ DATE _____

☐ DISAGREE BY _____ DATE _____

☐ REVIEW OF ORIGINAL DESIGN ORGS. COMMENTS BY: _____ DATE: _____