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VICE PRESIDENT

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June 29, 1981

Mr. R. H. Engelken, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region V
Suite 202, Walnut Creek Plaza
1990 North California Boulevard
Walnut Creek, California 94506



Dear Mr. Engelken:

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

In a letter to your office dated June 1, 1981 we identified a condition which we considered potentially reportable in accordance with 10CFR50.55(e). The condition concerns the use of brass or non-hardened steel washers by the supplier, ITT-Grinnell, in the assembly of certain mechanical shock suppressors in lieu of hardened steel washers as required by ASME Code.

Enclosed are twenty-five (25) copies of a final report entitled, "FINAL REPORT ON THE USE OF NONCONFORMING WASHERS ON ITT-GRINNELL SHOCK SUPPRESSORS, San Onofre Nuclear Generating Station, Units 2 and 3."

If you have any questions regarding this report we would be pleased to discuss them with you at your convenience.

Very truly yours,

Enclosures

cc: Victor Stello (NRC, Director I&D)
R. J. Pate (NRC, San Onofre Units 2 and 3)

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FINAL REPORT ON THE USE OF NONCONFORMING
WASHERS ON ITT-GRINNELL SHOCK SUPPRESSORS

San Onofre Nuclear Generating Station, Units 2 and 3

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e)(3). It describes a condition discovered during surveillance inspections conducted at the supplier's facility. The condition involves failure to install ASME Code required hardened washers under the bolt heads on sizes 1/4 to 10 mechanical shock suppressors. This report includes a description of the condition, an analysis of the safety implications, and a summary of corrective actions taken or to be taken. By letter dated June 1, 1981, Edison confirmed notification to the NRC of this potentially reportable condition.

BACKGROUND

On May 1, 1981, a Bechtel Quality Assurance Bulletin was issued which described a surveillance finding at the ITT-Grinnell Warren, Ohio, facility. This finding indicated that, contrary to the requirements for hardened washers in ASME Section III, Subsection NF, Paragraph NF-4724 - 1974 and 1977 Editions, the supplier had installed brass washers in sizes 1/4 and 1/2 mechanical shock suppressors. In addition, the supplier had installed non-hardened steel washers in sizes 1 through 10 mechanical shock suppressors. A brief survey of ITT-Grinnell mechanical shock suppressors installed at San Onofre Units 2 and 3 indicated non-code washers had been supplied.

DISCUSSION

The following discussion is responsive to 10CFR50.55(e)(3).

Description of Deficiency

The washers supplied with ITT-Grinnell mechanical shop suppressors sizes 1/4 through 10 are not in compliance with the requirements of ASME Section III, Subsection NF, Paragraph NF-4724 - 1974 and 1977 editions.

Analysis of Safety Implications

An analysis of the safety implications has not been performed. This condition is reported as a significant departure from the requirements of the ASME Code.

FINAL REPORT ON THE USE OF NONCONFORMING
WASHERS ON ITT-GRINNELL SHOCK SUPPRESSORS
San Onofre Nuclear Generating Station, Units 2 and 3

CORRECTIVE ACTION

1. A letter dated June 9, 1981 has been sent to the supplier, ITT-Grinnell, notifying them of this condition as potentially reportable.
2. All affected washers in ASME Code and safety related ITT-Grinnell mechanical shock suppressors installed in San Onofre Units 2 and 3 in sizes 1/4 through 10 will be replaced with hardened steel washers.