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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Subject: **Docket No. 50-206**
Updated Final Safety Analysis Report (UFSAR) Package
San Onofre Nuclear Generating Station, Unit 1

- References: 1. Letter, F. R. Nandy, SCE to NRC, "Small Break LOCA Model," November 29, 1990.
2. Letter, George Kalman, NRC to Harold B. Ray, SCE, "NOTRUMP Computer Code Approval for San Onofre Unit 1," February 7, 1991.

The purpose of this letter is to provide the NRC with an interim update to the Updated Final Safety Analysis Report (UFSAR) containing results of the Small Break Loss of Coolant Accident (SBLOCA) reanalysis for San Onofre Nuclear Generating Station, Unit 1 (SONGS 1). The reanalysis was performed to support restart for Cycle 11 operation using the Westinghouse NOTRUMP computer code. The resulting changes to the UFSAR are contained in Attachment 1. The 10CFR50.59 evaluation to assess the impact of the reanalysis has determined that the changes do not involve an unreviewed safety question.

Please note that this is an interim update of the UFSAR, pending the regular revision scheduled for December, 1991. Consequently, the attached pages are for information only, and should not be used to replace the existing UFSAR pages.

Background

The current SBLOCA analysis for SONGS 1 was performed in 1980 using the WFLASH and LOCTA computer codes. These codes were an enhancement to the SLAP computer code which had previously been used to evaluate SONGS 1 under the Interim Acceptance Criteria. In a letter dated May 30, 1985, the NRC indicated that future SONGS 1 specific analysis by Westinghouse for reloads should be performed using the new code, NOTRUMP. In addition, the use of WFLASH code for SBLOCA reanalysis is no longer supported by Westinghouse. Consequently, we determined that return to service from the Cycle 11 refueling and modification outage would be based on a Westinghouse SBLOCA reanalysis using NOTRUMP.

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In a letter to the NRC dated November 29, 1990 (Reference 1), we provided information to assist the NRC in its review and approval of the Westinghouse NOTRUMP SBLOCA Emergency Core Cooling System Evaluation Model for application to SONGS 1. This included scoping calculations to demonstrate that NOTRUMP was capable of correctly modeling the thermal-hydraulic phenomena during a postulated SBLOCA for SONGS 1. Following its review of submittals provided by us and Westinghouse, the NRC approved the use of the NOTRUMP code for analyzing SBLOCA at SONGS 1 in its letter dated February 7, 1991 (Reference 2). We committed in our November 29, 1990 letter to provide an interim copy of the UFSAR update package containing results of the SBLOCA reanalysis.

Changes to UFSAR

The SBLOCA reanalysis has resulted in significant changes to UFSAR Section 15.16.3, "Small Break LOCA." In addition to the text in this section, the SBLOCA reanalysis impacts Tables 15.16-2 and 15.16-3; Figures 15.16-14 through 15.16-72; a portion of Section 15.16.5; and the Table of Contents and References for Chapter 15. These portions have been revised as appropriate. The revised UFSAR pages are included in Attachment 1.

This submittal does not constitute an annual update of the UFSAR, and therefore, the attached pages should not be used to replace the existing UFSAR pages. These will be provided as part of our next annual update (Revision 3) of the UFSAR, scheduled for December, 1991. Any changes to the attached pages prior to the next annual update will also be incorporated at that time. The attached pages are provided in order to satisfy our commitment to submit an early version of the UFSAR update package containing results of the SBLOCA reanalysis, and are for information only.

If you have any questions or comments, or if you would like additional information, please contact me.

Very truly yours,



Enclosure

cc: George Kalman, NRC Senior Project Manager, San Onofre Unit 1
J. O. Bradfute, NRC Project Manager, San Onofre Unit 1
J. B. Martin, Regional Administrator, NRC Region V
C. W. Caldwell, NRC Senior Resident Inspector, San Onofre Units 1, 2, & 3