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HAROLD B. RAY  
GENERAL VICE PRESIDENT

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September 9, 1992

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

Gentlemen:

Subject: Docket No. 50-362  
Amendment Application No. 102  
Changes to Technical Specifications 3/4.4.8.1,  
3.4.8.3.1, and 3.4.8.3.2  
San Onofre Nuclear Generating Station  
Unit 3

- References: 1) May 3, 1991 letter from F. R. Handy (SCE) to Document Control Desk (NRC), Subject: Docket No. 50-362, Surveillance Capsule Test Report, San Onofre Nuclear Generating Station, Unit 3
- 2) December 20, 1991 letter from Harold B. Ray (SCE) to Document Control Desk (NRC), Subject: Docket Nos. 50-361 and 50-362, Amendment Application Nos. 113 and 97, Changes to Technical Specifications 3/4.4.8.3.1, 3/4.1.2.3 and 3/4.5.3, San Onofre Nuclear Generating Station, Units 2 and 3
- 3) September 9, 1992 letter from R. M. Rosenblum (SCE) to Document Control Desk (NRC), Subject: Docket Nos. 50-361 and 50-362, Reference Temperatures for Pressurized Thermal Shock, Reactor Vessel Beltline Materials, San Onofre Nuclear Generating Station, Units 2 and 3

Provided in Enclosure 1 is Amendment Application No. 102 to Facility Operating License NPF-15 for the San Onofre Nuclear Generating Station (SONGS), Unit 3. This amendment application consists of Proposed Change Number (PCN)-359. PCN-359 is a request to revise Technical Specification (TSs) 3/4.4.8.1, "Pressure/Temperature Limits," 3.4.8.3.1 "Overpressure Protection Systems-RCS Temperature  $\leq 302^{\circ}\text{F}$ ," and 3.4.8.3.2, "Overpressure Protection Systems-RCS Temperature  $> 302^{\circ}\text{F}$ ."

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Reference 1 transmitted the test and analysis results of the Unit 3 reactor vessel surveillance capsule specimen which was removed in May 1990 after 4.33 Effective Full Power Years of operation. By Reference 1, the NRC was advised that the existing Unit 2 Pressure-Temperature (P-T) limits were being implemented at Unit 3 until the new Unit 3 P-T limits were approved by the NRC. The new Unit 3 P-T limits identified in this proposed change were calculated based upon the test and analysis results of the Unit 3 surveillance capsule and updated material properties identified in our July 6, 1992 response to Generic Letter 92-01, Revision 1, "Reactor Vessel Structural Integrity, 10 CFR 50.54 (f)." The new Unit 3 P-T limits are significantly more restrictive than what is currently being used at Unit 3. Therefore, by October 10, 1992, the P-T limits in this proposed change will be administratively implemented at Unit 3 until the NRC approves this license amendment request.

The proposed change revises 1) the Reactor Coolant System (RCS) P-T limit curves based on the test results of the Unit 3 surveillance capsule analysis, and 2) the Low Temperature Overpressure Protection (LTOP) system enable temperature based on the methodology for determining LTOP enable temperatures recommended by NUREG-0800 Branch Technical Position RSB 5-2, Revision 1, "Overpressurization Protection of Pressurized Water Reactors While Operating at Low Temperatures."

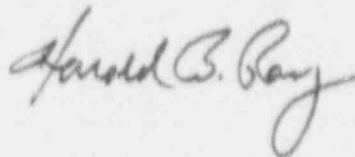
The proposed change also adds new P-T limit curves (Figures 3.4-6 and 3.4-7) for Remote Shutdown cooldown operation. These two new curves account for the difference in Total Loop Uncertainties (TLUs) for pressure between Remote Shutdown instruments and the Control Room shutdown instruments. The TLUs for temperature for both the Remote Shutdown instruments and the Control Room shutdown instruments are identical. The proposed P-T limits and the LTOP enable temperatures shall be effective until 8 effective full power years (EFPY) of operation.

By Reference 2 changes to other portions of TS 3.4.8.3.1 were proposed [see Enclosure 2 for the TS 3.4.8.3.1 pages affected by both Reference 2 (PCN-358) and this PCN-359]. This license amendment request fulfills the commitment in Reference 2 to revise the existing Unit 3 LTOP enable temperatures. A proposed license amendment will be submitted by October 30, 1992, to request a revision to the Unit 2 LTOP enable temperatures to satisfy the Unit 2 commitment in Reference 2.

As required by 10 CFR 50.61, "Fracture Toughness Requirements for Protection Against Pressurized Thermal Shock," paragraph (b)(1), by Reference 3 we are submitting the current and projected values of Reference Temperatures for Pressurized Thermal Shock ( $RI_{PTS}$ ).

If you have any questions regarding this TS change request, please let me know.

Very truly yours,

A handwritten signature in cursive script, reading "Harold B. Ray". The signature is written in dark ink and is positioned below the typed name "Harold B. Ray".

Enclosures

cc: J. B. Martin, Regional Administrator, NRC Region V  
C. Caldwell, NRC Senior Resident Inspector, San Onofre Units 1, 2, and 3  
M. B. Fields, NRR Project Manager, San Onofre Units 2 and 3  
R. H. Hickman, California Department of Health Services

ENCLOSURE 1

PROPOSED CHANGE NPF-15-359

UNIT 3