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 FACIL:50-361 San Onofre Nuclear Station, Unit 2, Southern Californ 05000361  
 50-362 San Onofre Nuclear Station, Unit 3, Southern Californ 05000362  
 AUTH.NAME AUTHOR AFFILIATION  
 MCCARTHY,C.B. Southern California Edison Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 MARTIN,J.B. Region 5, Ofc of the Director.

SUBJECT: Discusses number of findings re component cooling water sys operability,per 880610 safety sys insp exit meeting.

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CHARLES B. MCCARTHY, JR.  
VICE PRESIDENT AND SITE MANAGER  
SAN ONOFRE

TELEPHONE  
714-368-9470

June 24, 1988

U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596-5368

Attention: John B. Martin, Regional Administrator

Dear Sir:

Subject: Docket Nos. 50-361 and 50-362  
Component Cooling Water System Review  
San Onofre Nuclear Generating Station, Units 2 and 3

During the Safety System Functional Inspection (SSFI) exit meeting held on June 10, 1988, you expressed a concern with the number of findings related to the Component Cooling Water (CCW) system and a need for a review of CCW system operability. We share this concern and, as a result, an expedited, but comprehensive assessment of CCW system operability has been undertaken. This effort has two phases: (1) an integrated assessment of system operability relative to identified deficiencies, and (2) a comprehensive system review and functional evaluation to validate the conformance of the CCW system with respect to its design bases. The purpose of this letter is to provide the results of the first phase of our assessment which has recently been completed.

For the first phase of the assessment, CCW system deficiencies identified by Edison or the NRC as part of the SSFI inspection as potentially affecting system operability were re-evaluated collectively with respect to the four pertinent major accident scenarios (Critical Crack, Safe Shutdown Earthquake, Loss of Coolant Accident and Main Steam Line Break Accident). The related Nonconformance Reports (NCR) document (1) the identified corrective actions taken resulting from the assessment of CCW system leakage criteria; (2) radiation monitoring of CCW with both CCW trains in operation; (3) a potential common mode failure which could result in inadvertent closure of the CCW Surge Tank isolation valves; and (4) CCW Surge Tank backpressure regulator and relief valves not having been included in the Inservice Test (IST) program. In addition to these specific issues, overall system operability was also reviewed with regard to other relevant issues, such as inclusion of single failure criteria in the Safe Shutdown Earthquake analysis.

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Mr. John B. Martin

- 2 -

June 24, 1988

In conducting this Phase I assessment, we have elected to utilize our NCR process, which provides for a formalized safety evaluation, operability determination and documentation of corrective actions. Accordingly, a single NCR has been issued which documents the results of our overall system operability assessment. Based on the results of the safety evaluation, we conclude that no unreviewed safety questions were involved, and that the CCW system remains operable under the identified conditions. This overall NCR, as well as the five (5) individual NCRs addressed in this assessment, are available for review at the San Onofre site.

The corrective actions prescribed in the referenced NCRs either (1) have been implemented; or, (2) are not prerequisites for operability. One of these actions is the performance of a comprehensive system review, which is the second phase of our ongoing assessment. A portion of this review, requiring considerable effort, involves the reassessment of the potential failure mode and effects for each major component and instrument/electrical subsystem. Because of the importance of this review, we are aggressively pursuing its completion. It is anticipated that the review will be completed by September 30, 1988. Upon completion, the results of the review along with details of any further corrective actions will be provided to you.

If you require any additional information, please so advise.

Sincerely,

cc: F. R. Huey (USNRC Senior Resident Inspector, Units 1, 2 and 3)