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SUBJECT: Informs NRC of new target date for completion of DCRDR modifications.

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September 6, 1990

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

Gentlemen:

Subject: Docket Nos. 50-361 and 50-362
Detailed Control Room Design Review (DCRDR) Modifications
San Onofre Nuclear Generating Station
Units 2 and 3

- References:
- A. M. O. Medford (SCE) to George W. Knighton (NRC) letter dated January 29, 1986. Subject: Submittal of the Detailed Control Room Design Review Supplemental Report
 - B. F. R. Nandy (SCE) to Document Control Desk (NRC) dated June 18, 1990. Subject: Detailed Control Room Design Review Modifications

Southern California Edison (SCE) informed the NRC in Reference B that certain control room modifications would be completed by July 31, 1990. SCE took action to complete this work according to schedule, however, technical problems as discussed below require resolution in order to fully satisfy the design objectives. Therefore, completion of these modifications has been delayed. Our new target date for completion of this work is October 31, 1990.

SCE previously identified, in Reference A, certain keylock switch cylinders on control room panel CR-63 (Emergency Diesel Generator lockout switches on the common electrical distribution panel) to be replaced. The need to change-out these switches was based on the Human Engineering Criteria Developed as part of the DCRDR process. As originally designed, all of the key lock switches on control room panel CR-63 were keyed the same. Thus, they could all be operated with one key. This condition violated the DCRDR Human Factors criteria because an operator could inadvertently lock out one of the emergency diesel generators.

At the time the DCRDR report was submitted to the NRC, this work was to be completed during each Units' cycle five refueling outage. We reported the completion of lock cylinder change-out for Unit 3 and rescheduled completion of the Unit 2 work to July 31, 1990 in Reference B.

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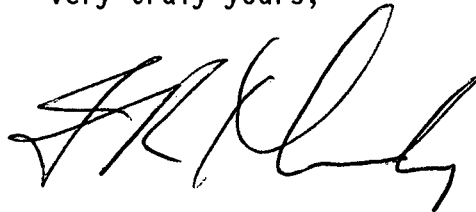
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As stated in our June 18, 1990 letter, replacement switches were installed for Unit 3 during its cycle five refueling outage. Subsequently, it was determined that the replacement switches, although obtained from a different vendor, could be operated with the keys used for the other control board keyswitches. These unsuitable replacement switches were not installed in Unit 2 by our rescheduled date of July 31, 1990. Differently keyed switches were obtained and installed on panel CR-63 for one of the Unit 3 Diesel Generators and for one of the Unit 2 Diesel Generators in August, 1990.

During the August replacement of the differently keyed switch for Unit 2, a possible design weakness with the replacement switches was discovered. This problem is currently under evaluation. Following resolution of this possible design weakness, reliable but differently keyed keyswitches will be installed for all four Diesel Generator maintenance lockout keyswitches. We expect to complete this work by October 31, 1990. We will submit a confirmatory letter to the NRC when this work is completed.

If you have any questions, please contact me.

Very truly yours,

A handwritten signature in black ink, appearing to be 'J. B. Martin', written in a cursive style.

cc: J. B. Martin, Regional Administrator, NRC Region V
C. Caldwell, NRC Senior Resident Inspector, San Onofre Units 1, 2 and 3