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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
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 KNIGHTON, G. W. PWR Project Directorate 7

SUBJECT: Informs that Rev 5 software successfully undergone Phase I & Phase II testing in accordance w/CEN-39(A)-P, "Core Protection Calculator Protection Algorithm Software Change Procedure." Changes implemented correctly.

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April 4, 1986

Director, Office of Nuclear Reactor Regulation
Attention: Mr. George W. Knighton, Director
PWR Project Directorate No. 7
Division of PWR Licensing - B
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

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

The Southern California Edison Company (SCE) is a participant in the Core Protection Calculator Improvement Program (CPCIP). The software modifications required to implement the CPCIP are described in CEN-308-P, "CPC/CEAC Software Modifications for the CPC Improvement Program," which was submitted by Combustion Engineering (CE) for NRC review in September 1985. NRC generic approval of the CPCIP was provided to CE by letter dated March 12, 1986. SCE will initially implement the program on Unit 2 at the beginning with cycle 3.

Revision 5 of the San Onofre Nuclear Generating Station, Units 2 and 3 CPC software implements the CPCIP. The Revision 5 software has undergone Phase I and Phase II testing in accordance with CEN-39(A)-P, "CPC Protection Algorithm Software Change Procedure," Revision 2, dated December 21, 1978. The results of the Phase I and II testing demonstrate that the software changes have been implemented correctly to meet the system functional requirements, there is no indication of errors, and operation of the integrated system is consistent with the performance predicted by the design analysis. The Phase I and II Test Reports document these results. As discussed with the NRC Staff in October 1985, copies of these reports will be maintained on file at both the SCE and CE Offices.

If you have any questions regarding this information, please call me.

Very truly yours,

M O Medford

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cc: Harry Rood, NRC (to be opened by addressee only)
F. R. Huey, USNRC Senior Resident Inspector, Units 1, 2 and 3

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