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SUBJECT: Forwards "Effects of Vessel Head Voiding During Transients  
 & Accidents in C-E NSSSS Prepared for C-E Owners Group."

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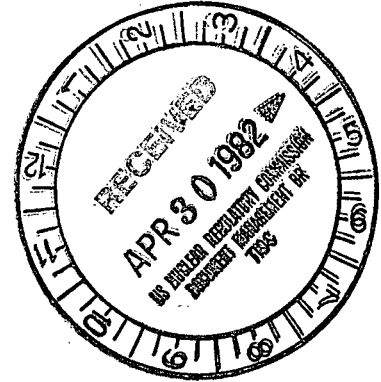
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April 28, 1982

Director, Office of Nuclear Reactor Regulation  
Attention: Mr. Frank Miraglia, Branch Chief  
Licensing Branch No. 3  
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

Item II.K.2.17, Potential for Voiding in the Reactor Coolant System (RCS) During Transients, of NUREG-0737 required SCE to analyze the potential for voiding in the RCS during anticipated transients for San Onofre Units 2 and 3. This requirement has also been identified as license condition (19)p of Operating License No. NPF-10 for San Onofre Unit 2.

SCE has participated in the Combustion Engineering Owners Group (CEOG) program for responding to the requirements, Item II.K.2.17 of NUREG-0737. As a result of this effort, CEN-199, "Effects of Vessel Head Voiding During Transients and Accidents in CE NSSS's, March, 1982" was prepared by the CEOG. CEN-199 addresses the potential for void formation during various types of plant transients and concludes that any void formation which may occur is not great enough to impair reactor coolant circulation or core coolability. This conclusion is based upon the premise that operator action is taken in accordance with plant-specific Emergency Operating Instructions (EOI's) which incorporate the typical guidelines, related to RCS voiding, which are presented in Appendix A of CEN-199. The EOI's for San Onofre Units 2 and 3 were developed utilizing plant specific aspects of the typical guidelines presented in Appendix A of CEN-199 and the operators have been trained to take action in accordance with the EOI's. SCE considers that the results of the evaluation on the potential for voiding in the RCS, as discussed in CEN-199, are applicable to San Onofre Units 2 and 3 and that the results demonstrate that the impact of RCS voiding will not result in violation of NRC Standard Review Plan Acceptance Criteria.

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Mr. Frank Miraglia

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Accordingly, enclosed please find seven (7) copies of the report, CEN-199, "Effects of Vessel Head Voiding During Transients and Accidents in CE NSSS's, March, 1982" (NRC Mail Code (B028)). SCE considers that the enclosed information satisfies the requirements of Item II.K.2.17 of NUREG-0737 for San Onofre Units 2 and 3 and license condition (19)p of Operating License No. NPF-10 for San Onofre Unit 2.

If you have any questions or comments, please let me know.

Very truly yours,

*M. D. Mcelford*  
for KPB

Enclosures