

October 30, 1998

Mr. Harold B. Ray
Executive Vice President
Southern California Edison Company
San Onofre Nuclear Generating Station
P. O. Box 128
San Clemente, California 92674-0128

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON CHANGE TO TCOLD
REDUCTION AND RCS FLOW MEASUREMENT TECHNICAL SPECIFICATION
(TAC NOS. MA2238 AND MA2239)

Dear Mr. Ray:

In a letter dated June 16, 1998, Southern California Edison (SCE) submitted a request for amendment to the San Onofre Nuclear Generating Station (SONGS) Units 2 and 3 technical specifications to (1) allow operation with a reduce cold leg temperature, and (2) change reactor coolant system (RCS) flow measurement from mass to volumetric indication.

To complete our review, we request that you provide the additional information identified in the enclosure within 30 days of receipt of this letter. Your timely response to the request for additional information will assist us in completing our review. This information and the schedule have been discussed with your licensing manager.

Please call me at 301-415-1352 if you have any questions.

Sincerely,

Original Signed By
James W. Clifford, Senior Project Manager
Project Directorate IV-2
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-361
and 50-362

Enclosure: Request for Additional Information

cc w/encl: See next page

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cc w/encl:

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Mr. Dwight E. Nunn, Vice President
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San Onofre Nuclear Generating Station
P.O. Box 128
San Clemente, California 92674-0128

REQUEST FOR ADDITIONAL INFORMATION

TECHNICAL SPECIFICATION CHANGE FOR TCOLD AND RCS FLOW MEASUREMENT

SOUTHERN CALIFORNIA EDISON COMPANY

SAN ONOFRE UNITS 2 AND 3

DOCKET NOS. 50-361 AND 50-361

1. Unlike mass flow rate which is constant in a given loop, the volumetric flow rate is a function of temperature and will therefore be different for a cold leg than for the corresponding hot leg. The Bases for Surveillance Requirement 3.4.1.3 allows the use of a heat balance between the primary and secondary to calculate the flow rate. However, neither the TS nor the Bases for the surveillance requirement state that the flow rate limit applies strictly to the cold leg. Please modify your submittal to include such a statement or justify your proposed wording.
2. On page 3, you stated, "for accident analyses that can be affected by elevated flow rates, a flow rate which is conservatively large compared to baseline measured flow is used." Please provide and justify the flow rate used. In your justification, be sure to provide supporting data regarding the maximum flow that can be provided by the pumps.
3. Please provide the following information regarding the high pressurizer pressure trip value and the main steam safety valve open setpoint used in your analysis of the loss of condenser vacuum event with concurrent single failure. Discuss instrument uncertainties, tolerance, and/or accumulation as applicable. For the main steam safety valves, the TS lift setpoint vary from 1085 psig to 1140 psig. Discuss how this was modeled in the analyses.