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August 22, 1986

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Director, Office of Nuclear Reactor Regulation
Attention: G. E. Lear, Director
PWR Project Directorate No. 1
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket No. 50-206
SEP Topic III-3.A, Effects of High Water Level on Structures
San Onofre Nuclear Generating Station
Unit 1

Reference: Letter, M. O. Medford, SCE, to G. E. Lear, NRC, dated October 4,
1985

During the SEP on San Onofre Unit 1, we evaluated the maximum expected groundwater level at the site. While the SEP study on groundwater level indicated a maximum level of groundwater of much less than 10 feet mean lower low water (plant grade is +14 to +21 feet mean lower low water), we elected to perform a study of the effects of groundwater at grade as a bounding analysis. As we committed in the reference letter, we have now evaluated the capability of structures to withstand a short-term high groundwater level and have determined that a groundwater level, even at plant grade, will have no adverse consequences.

A report on the results of our study is enclosed. The study considered groundwater at grade an extreme event, and therefore was not analyzed in combination with other extreme events. We evaluated structural integrity on a sampling basis, with favorable results in each case. Considering the favorable results of this study, we now consider this issue closed.

If you have any questions concerning this report, please contact me.

Very truly yours,

Enclosure

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