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May 28, 1986

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
Floor Response Spectra for the Reactor and Turbine Buildings
SEP Topic III-6, Seismic Design Considerations
San Onofre Nuclear Generating Station
Unit 1

As part of the long term service seismic reevaluation program at San Onofre Unit 1, new floor response spectra were developed for the reactor and turbine buildings. The methodology and results of this effort have been discussed with the NRC and its consultants in several meetings over the past year. Provided as Enclosure 1 is the following report which documents this effort: Generation of Floor Response Spectra For The Reactor and Turbine Buildings, San Onofre Nuclear Generating Station - Unit 1, Long Term Service Seismic Reevaluation Program, March 1986.

Recently, the response spectra in the mezzanine of the north extension of the turbine building were regenerated to reflect the overall strengthening of this structure. This strengthening was a result of the elimination of inelastic beams in this structure. The resulting new response spectra are discussed in Enclosure 2: Instructure Response Spectra for the Turbine Building Mezzanine, San Onofre Nuclear Generating Station, Unit 1, May 1986.

If you have any questions on the enclosed information, please let us know.

Very truly yours,

M. O. Medford

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Enclosure

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