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May 14, 1985

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Director, Office of Nuclear Reactor Regulation
Attention: Mr. J. A. Zwolinski, Chief
Operating Reactors Branch No. 5
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket No. 50-206
SEP Topic III-6, Seismic Design Considerations
Long Term Seismic Criteria and Methodology
San Onofre Nuclear Generating Station
Unit 1

Reference: "San Onofre Nuclear Generating Station Unit 1, Seismic Program
for Long Term Service," dated March 8, 1985

By letter dated March 12, 1985, the NRC staff was provided with additional information which was requested in order to complete their review of the proposed criteria and methodology for the Long Term Service Seismic Reevaluation of San Onofre Unit 1. This submittal included the report referenced above. During the meetings held on April 2 and 3, 1985, the NRC staff requested that several documents referenced in the above mentioned report be provided for use by their consultants. Accordingly, enclosed are 3 copies of each of the following documents (Reference numbers are taken from the reference above):

- o BPC RTS Design Criteria for SONGS 1, Design of Raceway Support Modifications (Ref. No. 1)
- o SCE Letters to NRC from K.P. Baskin to D.M. Crutchfield, dated March 25, 1981, May 29, 1981, June 28, 1982 and April 12, 1982 (Ref. No. 6)
- o BPC Project Design Criteria, Subjob 430-471, Revision 1 (Ref. No. 10)
- o "Electrical Raceway Support Implementation Plan for Return to Service, SONGS 1," SCE letter dated October 2, 1984, from M. O. Medford to W. A. Paulson of NRC (Ref. No. 11)
- o "SONGS 1 Functionality Criteria for Piping Systems in Response to the DBE Event," EDS Report No. 04-0310-0063, Revision 2, December 1983, SCE Letter dated December 23, 1983, From M. O. Medford to D. M. Crutchfield of NRC (Ref. No. A.1)

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- o "Quad Cities Unit 1 Functionality Study of Piping Systems in Response to the SSE Event," EDS Report No. 01-0590-1135, Revision 0, December 1980 (Ref. No. A.2)
- *o "Dynamic Response of Pressurized Z-Bend Piping Systems Tested Beyond Elastic Limits and with Support Failures," EPRI Report NP-3746, prepared by ANCO Engineers, December 1984 (Ref. No. A.3. This final report replaced the "Quick Look Report" issued October, 1981)
- o Greenstreet, W. L., "Experimental Study of Plastic Response of Pipe Elbows," ORNL/NUREG 24, February 1978 (Ref. No. A.4)
- o Excerpt from a paper by Teidoguchi, H., "Experimental Study on Limit Design for Nuclear Power Facilities During Earthquake," 1975 (Ref. No. A.6)
- o "Laboratory Studies: Dynamic Response of Prototypical Piping Systems," NUREG/CR-3893, Prepared by ANCO Engineers, Inc., August 1984

If you have any questions or desire additional information, please contact me.

Very truly yours,



Enclosures

cc: M. J. Russell (EG&G Idaho)
Long-Chin Shieh (LLNL)
N. C. Tsai (NCT Engineering)

*The EPRI report NP-3746 is being withheld from disclosure pending release of copyright. Withholding is per instructions of W. Paulson, Project Manager.