PDR

Houston
Lighting
& Power
Company

Electric Tower
P.O. Box 1700
Houston, Texas 77001

May 24, 1979
SFN: V-0540
ST-HL-AE-344

Director, Region IV
Office of Inspection and Enforcement
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76102

Dear Sir:

South Texas Project
Units 1 & 2
Docket Nos. STN 50-498, STN 50-499
IE Bulletin No. 79-07

Bulletin Number 79-07 has been reviewed by Houston Lighting and Power Company. Investigation indicates that none of the methods listed under Item (1) of the bulletin were used in the seismic piping analyses for the South Texas Project. SUPERPIPE, the computer code used by EDS in the design of the South Texas Project, combines both the modal and directional responses by either the SRSS or absolute summation techniques. In the review of Westinghouse operating plant analyses, it was determined that WESTDYN utilized the algebraic combination for a number of analyses performed prior to 1972. Subsequent to 1972, WESTDYN was updated to reflect the more appropriate absolute sum combination.

In response to Item (3), SUPERPIPE has already been benchmarked against the ASME Benchmark Problem 1, "A Problem on Dynamic Analysis of a Three-Dimensional Structure". In addition, SUPERPIPE has been compared in a series of benchmark tests against the piping analysis programs PISOL, NUPIPE, PIPESD, ME-101 (Bechtel Power Corporation), and ADLPIPE. Benchmark testing of WESTDYN is documented in WCAP 8252, Revision 1.

If you have any questions, please contact us.

Very truly yours,

E. A. Turner by DSS

E. A. Turner
Vice President
Power Plant Construction
& Technical Services

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cc: Director, NRC Office of Inspection and Enforcement
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