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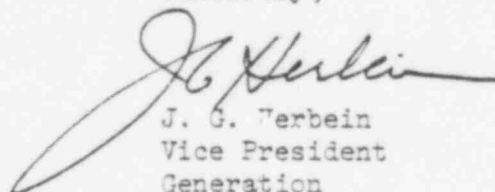
Mr. B. H. Grier, Director
Region I
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Response to I&E Bulletin 79-07

In response to I&E Bulletin 79-07, Seismic Stress Analysis of
Safety-Related Piping, attached please find a description of the
computer program used in the design of TMI-1.

Sincerely,



J. G. Verbein
Vice President
Generation

JGH:WSS:mmm
Attachment

cc: Victor Stello, Director
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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RESPONSE TO IE BULLETIN NO. 79-Q7

Pipe Stress Analysis (MO03) is a Gilbert/Commonwealth proprietary computer program for the purpose of piping stress analysis. MO03 was used in the seismic analysis of safety related piping for the Three Mile Island Unit 1 nuclear project. This program does not use algebraic summation of either the codirectional spatial components or inter-modal responses in a response spectrum analysis. Time history analysis was not used in seismic stress analysis of piping.

MO03 is a program consisting of Southern Service Company's thermal stress program and IBM's Scientific Subroutine on eigenvalue problems. Both the original programs and subroutines are available in the public domain and are well tested. Responses from a typical MO03 seismic analysis were compared to PIPDYN II, a verified computer program, with acceptable results.