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June 1, 1979

Docket Nos. 50-387
50-388

Mr. Boyce H. Grier
Director, Region 1
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

SUSQUEHANNA STEAM ELECTRIC STATION
I E BULLETIN NO. 79-07
ER 100450 FILE 840-4
PLA-365

Dear Mr. Grier:

In response to I E Bulletin No. 79-07, the computer codes that have been used in the seismic stress analysis of safety-related piping are:

- (a) ME 632 -- "Seismic Analysis of Piping Systems"
Bechtel Power Corporation
- (b) ME 101 -- "LEAP" - "Linear Elastic Analysis of Pipe"
Bechtel Power Corporation
- (c) PISOL -- EDS Nuclear Inc.
- (d) NUPIPE -- Nuclear Services Corporation
- (e) SAPIPE -- PMB Systems Engineering Inc.
- (f) TPIPE -- PMB Systems Engineering Inc.

The responses to the I E Bulletin 79-07 paragraphs are as follows:

1. None of the methods specified were used in the above listed computer programs for the seismic analysis of safety-related piping.
2. Not applicable.
3. The computer programs listed above have been verified as follows:



- (a) ME 632 -- has been verified using PISOL, PIPESD and TPIPE.
- (b) ME 101 -- has been verified using ME 632, TPIPE and SUPERPIPE.
- (c) PISOL -- has been verified using NUPIPE, PIPESD, ADLPIPE and ME 101.
- (d) NUPIPE -- has been verified using ADLPIPE. (In the verification, the algebraic summation option in ADLPIPE was not used.)
- (e) SAPIPE -- has been verified using PISOL.
- (f) TPIPE -- has been verified using PISOL and ME 632.

4. Not applicable.

If you have any questions, please call me.

Very truly yours,



N. W. Curtis
Vice President - Engineering and Construction

cc: Office of Inspection and Enforcement
Division of Reactor Operations Inspection
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