

POR

UNION ELECTRIC COMPANY  
1901 GRATIOT STREET  
ST. LOUIS, MISSOURI

May 29, 1979

JOHN K. BRYAN  
VICE PRESIDENT

MAILING ADDRESS:  
P. O. BOX 149  
ST. LOUIS, MISSOURI 63166

Mr. James G. Keppler  
Regional Director, Region III  
United States Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

ULNRC- 317  
Callway Plant,  
Units 1 & 2

Dear Mr. Keppler:

NUCLEAR REGULATORY COMMISSION IE BULLETIN NO. 79-07

Reference: J. G. Keppler letter of April 14, 1979

Your letter dated April 14, 1979, forwarded the subject IE Bulletin. The Bulletin concerned seismic stress analysis of safety-related piping. The following information is provided in response to your letter. The items below are numbered to match the Bulletin action items.

1. None of the methods specified in the IE Bulletin were used for the seismic stress analysis of safety related piping.
2. This item is not applicable because of the response to item #1 above.
3. All computer codes used in the seismic analysis of safety-related piping have been verified as shown below:
  - a) ME 632: "Seismic Analysis of Piping Systems" Bechtel Power Corporation.

Verified using PISOL (EDS Nuclear Inc.), PIPESD (URS/John A. Blum and Associates, Engineers), and TPIPE (PMB Systems Engineering Inc.).

446 230

2

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Mr. James G. Keppler  
May 29, 1979  
Page Two

b) ME 101: "LEAP" - "Linear Elastic Analysis  
of Pipe" Bechtel Power Corporation.

Verified using ME 632, TPIPE and  
SUPERPIPE (EDS Nuclear Inc.).

c) TPIPE: PMB Systems Engineering Inc.

Verified using PISOL (EDS Nuclear  
Inc.) and ME 632.

d) BSAP: Bechtel Power Corporation.

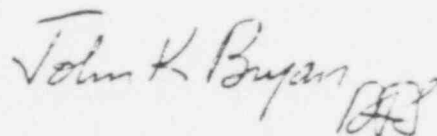
Verified using ME 101.

e) WESTDYN: Refer to WCAP 8252, Rev. 1, "Docu-  
mentation of Selected Westinghouse  
Structural Analysis Computer Codes",  
May 1977, which is currently under  
NRC review.

4. This item is not applicable because of the re-  
sponse to item #1 above.

If you require additional information in this matter,  
please contact us.

Very truly yours,



John K. Bryan

DES/mdj

cc: NRC Office of Inspection and Enforcement  
N. A. Petrick  
J. L. Turdera

446 231