

PDR

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.).

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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

John K. Bryan

DES/mdj

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

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