



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUL 19 1985

Docket No. 50-461

Mr. Frank A. Spangenberg
Director of Nuclear Licensing &
Configuration Management
Clinton Power Station
P.O. Box 306
Mail Code V920
Clinton, Illinois 61727

Dear Mr. Spangenberg:

SUBJECT: USE OF ASME CODE CASE N-411 FOR THE CLINTON POWER STATION
UNIT NO. 1, DOCKET NO. 50-461

- References:
1. Letter from F. A. Spangenberg, Illinois Power Company to W. R. Butler dated June 24, 1985, Subject: Use of Alternate Damping Values ASME Code Case N-411
 2. Letter from A. Schwencer (NRC) to F. A. Spangenberg, Illinois Power Company dated April 5, 1985, Subject: Use of ASME Code Case N-397 and N-411 for Clinton Power Station, Unit 1
 3. Letter from F. A. Spangenberg, Illinois Power Company, to A. Schwencer dated March 20, 1985, Subject: Use of Alternate Damping Values ASME Code Case N-411

The staff has completed its review of your request for authorization to use the damping values of ASME Code Case N-411 as an alternate to the guidance in Regulatory Guide 1.61 for hydrodynamic loads as well as seismic loads as discussed in Reference 1.

In our April 5, 1985 response (Reference 2) to your original request (Reference 3) the staff stated, "It is the staff's position that this Code Case is only applicable to response spectrum seismic analyses for piping. Therefore, any application involving non-seismic loads is not acceptable at this time." Subsequently, on May 13, 1985 the Pressure Vessel Research Council (PVRC) technical committee on piping systems met and discussed the applicability of the damping values specified in Code Case N-411 to any building filtered response spectrum load. The committee voted unanimously in favor of such applications. As a result of this decision the staff now finds that your request to use the damping values of Code Case N-411 for hydrodynamic loads as

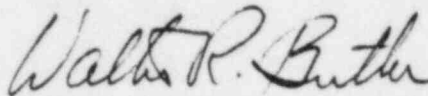
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well as seismic loads to be acceptable for use at the Clinton Power Station Unit 1. It should be noted, however, that the damping values in Code Case N-411 are limited to a response frequency below 33 Hz.

In addition, use of the Code Case should be documented in a future Amendment to the FSAR.

If you have any questions regarding this issue please contact the licensing project manager for your application.

Sincerely,

A handwritten signature in cursive script, reading "Walter R. Butler".

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

cc: See next page

well as seismic loads to be acceptable for use at the Clinton Power Station Unit 1. It should be noted, however, that the damping values in Code Case N-411 are limited to a response frequency below 33 Hz.

In addition, use of the Code Case should be documented in a future Amendment to the FSAR.

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Sincerely,

Original signed by

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

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Mr. Frank A. Spangenberg
Illinois Power Company

Clinton Power Station
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