

ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

March 20, 1985

Docket No. 50-461

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Clinton Power Station Unit 1
Use of Alternate Damping and
Spectral Shifting Criteria

Dear Mr. Schwencer:

This letter is Illinois Power Company's request to implement the spectral shifting and damping recommendations as identified in ASME Code Case N-397 on spectral shifting and ASME Code Case N-411 for damping as alternatives to guidance in Regulatory Guides (R.G.) 1.122 and 1.61, respectively.

It is Illinois Power Company's intent to use the criteria in these two code cases as necessary in any future piping and equipment dynamic analysis or reanalysis. These criteria would be used for response spectra type analyses including OBE and SSE and hydrodynamic loads. For time history type loads such as feedwater pump trips, main steam valve closures, annulus pressurization, etc., the damping criteria in R.G. 1.61 will continue to be used. Also, when the alternative damping criteria are used, they will be used in their entirety in a given analysis and not a mixture of R.G. 1.61 criteria and the alternative Code Case N-411 criteria. If, as a result of using the damping value in ASME Code Case N-411, piping supports are moved, modified, or eliminated, any increased piping displacements due to the greater piping flexibility will be checked to assure that they can be accommodated and that there will be no adverse interaction with adjacent structures, components, and equipment.

Necessary FSAR changes will be implemented in a future amendment. Your expeditious response is requested and if further information is needed, please contact us.

Sincerely yours,

F. A. Spangenberg
Director - Nuclear Licensing
and Configuration

JLP/lr

cc: B. L. Siegel, NRC Clinton Licensing Project Manager
NRC Resident Office
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety

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