

February 22, 1994

Docket No. 50-423

Mr. John F. Opeka  
Executive Vice President, Nuclear  
Connecticut Yankee Atomic Power Company  
Northeast Nuclear Energy Company  
Post Office Box 270  
Hartford, Connecticut 06141-0270

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JLieberman OPA  
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JCalvo VMcCree, EDO  
JStolz JFRogge, RI

Dear Mr. Opeka:

SUBJECT: AUTHORIZATION FOR USE OF A RUBBER EXPANSION JOINT AS AN ALTERNATIVE TO METAL IN ACCORDANCE WITH 10 CFR 50.55a(a)(3) (TAC NO. M87444)

This letter is in response to your request for relief from ASME Code requirements regarding the Millstone Unit 3 service water system submitted by letter dated August 30, 1993, as supplemented November 23, 1993. The enclosed Safety Evaluation addresses the use of rubber, rather than metal, expansion joints (bellows) in the repair of twelve service water system expansion joints.

Our review of your request is summarized in the enclosed Safety Evaluation. We have determined that you will control use of the rubber bellows to be used by performing a piping stress analysis on all bellows to be placed in service, and by comparing the results of these analyses to the applicable design conditions specified in controlled procurement documents and to ASME Code Section III allowables. Based on the above, we find that the use of the rubber bellows would provide an acceptable level of quality and safety. Therefore, the proposed use of a rubber expansion bellows is acceptable as an alternative to the use of metal, for the specified bellows expansion joints, and is authorized under 10 CFR 50.55a(a)(3).

Sincerely,

Original signed by:

John F. Stolz, Director  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation

cc w/enclosure:

See next page \*See previous concurrence

OFFICE	LA:PDI-4	PM:PDI-4*	B:PDI-4	OGC*	
NAME	SNorris	VRooney:cn	JStolz	CPW	
DATE	2/16/94	2/3/94	2/24/94	2/7/94	1/1

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Original signed by:

John F. Stolz, Director  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHI<sup>n</sup>.GTON, D.C. 20555-0001

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Executive Vice President, Nuclear  
Connecticut Yankee Atomic Power Company  
Northeast Nuclear Energy Company  
Post Office Box 270  
Hartford, Connecticut 06141-0270

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Sincerely,

A handwritten signature in cursive script, appearing to read "John F. Stolz".

John F. Stolz, Director  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation

cc w/enclosure:  
See next page

Mr. John F. Opeka  
Northeast Nuclear Energy Company

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