

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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September 30, 1985

Docket No. 50-423
B11762

Director of Nuclear Reactor Regulation
Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Reference: (1) B. J. Youngblood letter to J. F. Opeka, Request for
Additional Information, dated September 10, 1985.

Millstone Nuclear Power Station, Unit No. 3
Response to NRC Question 260.59

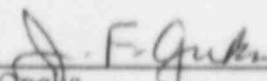
Enclosed is Northeast Nuclear Energy Company's response to NRC Question 260.59 regarding compliance with Regulatory Guide 1.123, Revision 1. The appropriate portions of Section 1.8 of the FSAR have been revised to reflect compliance with Regulatory Guide 1.123 and will be included in a subsequent amendment to the FSAR.

If you have any questions or concerns regarding this submittal, please contact our licensing representative directly.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY
et. al.

BY NORTHEAST NUCLEAR ENERGY COMPANY
Their Agent



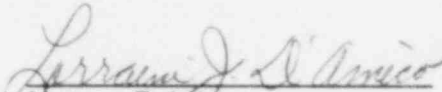
J. F. Opeka
Senior Vice President

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STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Then personally appeared before me J. F. Opeka, who being duly sworn, did state that he is Senior Vice President of Northeast Nuclear Energy Company, an Applicant herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Applicants herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.


Notary Public

My Commission Expires March 31, 1988

Table 1.4 of the Safety Evaluation Report related to the operation of Millstone Nuclear Power Station Unit No. 3 (NUREG-1031, July 1984) showed "QA program commitments" as confirmatory item 70. By letters to the NRC dated December 10, 1984 and March 1, 1985, the applicant has provided information to resolve confirmatory item 70.

FSAR Amendment 12 added the following alternative to the applicant's commitment to comply with R.G. 1.123:

Certain standard catalog or non-engineered items may be procured without seller qualification as described in Section 7 of the Millstone 3 Quality Assurance Program Manual referenced in FSAR Section 7.1.2.

We believe it is the applicant's intent to use this alternative during the operations phase of Millstone 3. However, FSAR Section 7.1.2. (and 17.1.2, if there has been a misprint) does not address QA for operations. Further, the quoted alternative references the Millstone 3 Quality Assurance Program Manual which is not reviewed by the Licensing Section of the QA Branch and which can be changed without NRC notification. Therefore, the applicant should describe its controls for the procurement of "certain standard catalog or non-engineered items" in either the Millstone 3 FSAR or in the Northeast Utilities Quality Assurance Program Topical Report (NU-QA-1) which is referenced in FSAR Section 17.2. The controls should be address item 7B4 on page 17.1-16 of the Standard Review Plan (NUREG-0800) which states: "For commercial 'off-the-shelf' items where specified quality assurance controls appropriate for nuclear applications cannot be imposed in a practicable manner, special quality verification requirements shall be established and described to provide the necessary assurance of an acceptable item by the purchaser."

Response:

The attached FSAR change concerning the compliance statement for Regulatory Guide 1.123, Revision 1 describes compliance during the construction and operation phases of Millstone Unit No. 3. Section 7 of the Northeast Utilities Quality Assurance Program Topic Report (NU-QA-1) addresses NNECO's controls for procurements of certain standard catalog or non-engineered items.

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TABLE 1.8-1 (Cont)

R.G. No.	Title	Degree of Compliance	FSAR Section Reference
		<p>Millstone 3 design since the development of the floor design response spectra had been completed prior to the issuance of the guide in February 1978.</p> <p>A description of the Millstone 3 methodology, using techniques which were state-of-the art at the time of the ARS Development, follows:</p> <ol style="list-style-type: none"> 1. Millstone 3 seismic design is based on three independent orthogonal components of earthquake motion as described in Section 3.7.1.1. 2. Millstone 3 ARS peaks are broadened plus and minus 15% in all cases, and the broadened peaks are bounded by vertical lines. 3. For both symmetrical and nonsymmetrical structures, the floor response spectra corresponding to the direction of input is used. 	
1.123*	Quality Assurance Requirements for Control of Procurement of Items and Services for Nuclear Power Plants (Rev. 1, July 1977)	<p>Comply, with the following alternative:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>Certain standard catalog or non-engineered items may be procured without Seller qualification as described in Section 7 of the Millstone 3 Quality Assurance Program Manual referenced in FSAR Section 7.1.2.</p> </div> <p>INSERT A</p>	<p>17.1.2 17.1.3 17.2</p>
1.124	Service Limits and Loading Combinations for Class 1 Linear-Type Component Supports (Rev. 1, January 1978)	<p>Comply, with the following exceptions and additions:</p> <ol style="list-style-type: none"> 1. The following paragraph should be added to Regulatory Position C.3: <p>C.3.c. The bending stress limits F_b resulting tension and bending in structural members as specified in Appendix XVII-2214 of Section III, Div. 1, should be the smaller value of $0.66 S_y$ or $0.55 S_u$ for compact sections, $0.75 S_y$ or $0.63 S_u$ for doubly symmetrical members with bending about the minor axis, $0.6 S_y$ or $0.5 S_u$ for box-type flexural members and miscellaneous members.</p> <p>The paragraph added to Regulatory Position C.3 is necessary because of an apparent over-sight</p>	<p>3.6 5.4.14</p>

Insert A

Degree of Compliance	FSAR Section Reference
1. <u>Construction</u>	
Comply, with the following alternative:	17.1.2
Certain standard catalog or non-engineered items may be procured without seller qualification as described in Section 7 of the Millstone 3 Quality Assurance Program Manual referenced in FSAR Section 17.1.2	17.1.3
2. <u>Operations</u>	17.2
Comply as described in the Northeast Utilities Quality Assurance Program Topical Report (NU-QA-1) referenced in FSAR Section 17.2	