



October 13, 1995

Docket No. 50-245  
50-336  
50-423  
B15342

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Millstone Nuclear Power Station, Unit Nos. 1, 2, and 3  
Revision of Commitment Regarding Unresolved Item 50-423/93-81-04

On February 16, 1994,<sup>1</sup> the NRC Staff transmitted Inspection Report No. 50-423/93-81 to the Northeast Nuclear Energy Company (NNECO). The inspection report provided the results of an electrical distribution system functional inspection, and it requested NNECO provide, in writing, a schedule for the resolution of the unresolved items. NNECO provided this schedule on April 22, 1994.<sup>2</sup> The intent of this letter is to revise the schedule for resolution of Unresolved Item No. 50-423/93-81-04. This unresolved item is associated with maximum grid voltage. Additionally, NNECO is providing information regarding Millstone Unit Nos. 1 and 2 due to the potential generic implications of this issue.

In the referenced schedule, a completion date of December 31, 1994, was identified for Unresolved Item No. 50-423/93-81-04. Additionally, several actions were identified. The status for these items is as follows:

Calculation No. NL-038, titled, "Station Service Studies - Voltage Profiles" and Calculation No. NL-051, titled, "MP3 6.9 kV & 4.16 kV System Short Circuit Studies" have been revised.

<sup>1</sup> J. T. Wiggins letter to J. F. Opeka, "Notice of Violation NRC Inspection Report No. 50-423/93-81," dated February 16, 1994.

<sup>2</sup> J. F. Opeka letter to the U.S. Nuclear Regulatory Commission, "Inspection Report No. 50-423/93-81, Schedule for Resolution of Unresolved Items," dated April 22, 1994.

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Specification SP-EE-269, titled, "Electrical Design Criteria," Calculation No. NL-024, titled, "Short Circuit Calculation for Individual Containment Electrical Penetration Circuits," and Calculation No. 177E, titled, "120 Volt System Short Circuit Study" should be issued by December 31, 1995.

Each unit has evaluated the potential effects that elevated switchyard voltages may have on operating plant electrical equipment. The results are presented below:

For Millstone Unit No. 1, the potential elevated voltages do not pose a bus over-voltage problem. Also, the instrument inaccuracy does not pose a problem to the transmission system.

For Millstone Unit No. 2, preliminary calculations indicate that, under certain plant operating scenarios, some station electrical equipment may be operating above rated capabilities for the duration of the postulated condition. However, these instances are not believed to represent either a nuclear safety or an operability concern. Final calculations should be completed by January 31, 1996.

For Millstone Unit No. 3, the voltage profile calculation has demonstrated that the electrical distribution system can adequately cope with a maximum switchyard voltage of 366 kV. A few motor control centers and loadcenters could be operated marginally (approximately 1%) over their design maximum voltage. Additionally, the switchgear and circuit breakers are within the specified short circuit ratings.

#### Commitments

The following are NNECO's commitments made within this letter. Other statements within this letter are provided as information only.

B15342-1 For Millstone Unit No. 3, Specification SP-EE-269, Calculation No. NL-024, and Calculation No. 177E should be issued by December 31, 1995. This is a revision to a commitment contained in the submittal dated April 22, 1994.

B15342-2 For Millstone Unit No. 2, final calculations regarding the potential effects of an overvoltage condition should be completed by January 31, 1996. This is a new commitment.

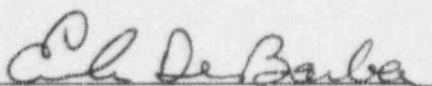
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Should you have any questions regarding this submittal, please contact Mr. S. T. Day, Jr. at (203) 440-2075.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

FOR: J. F. Opeka  
Executive Vice President

BY:   
E. A. DeBarba  
Vice President

cc: T. T. Martin, Region I Administrator  
J. W. Andersen, NRC Project Manager, Millstone Unit No. 1  
G. S. Vissing, NRC Project Manager, Millstone Unit No. 2  
V. L. Rooney, NRC Project Manager, Millstone Unit No. 3  
P. D. Swetland, Senior Resident Inspector, Millstone Unit  
Nos. 1, 2, and 3