

October 31, 2000

MEMORANDUM TO: James W. Clifford, Chief, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Jacob I. Zimmerman, Project Manager */RA/ V Nerses for*
Project Directorate I, Section 2
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: MILLSTONE NUCLEAR POWER STATION, UNIT 3, FACSIMILE
TRANSMISSION, DRAFT REQUEST FOR ADDITIONAL INFORMATION
(RAI) TO BE DISCUSSED IN AN UPCOMING CONFERENCE CALL
(TAC NO. MA9399)

The attached draft RAI was transmitted by facsimile on October 31, 2000, to Mr. Ravi Joshi of Northeast Nuclear Energy Company (NNECO). This draft RAI was transmitted to facilitate an upcoming conference call in order to clarify the licensee's submittal dated June 28, 2000, associated with their Risk-Informed Inservice Inspection relief request. Review of the RAI would allow NNECO to determine and agree upon a schedule to respond to the RAI. This memorandum and the attachment do not convey a formal request for information or represent an NRC staff position.

Docket No. 50-423

Enclosure: Draft Request for Additional Information

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OFFICE	PDI-2/PM	EMCB
NAME	VNerses for JZimmerman	ESullivan*
DATE	10/31/00	10/31/00

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DRAFT REQUEST FOR ADDITIONAL INFORMATION
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
ASSOCIATED WITH A RISK-INFORMED INSERVICE INSPECTION
RELIEF REQUEST FOR MILLSTONE NUCLEAR POWER STATION, UNIT No. 3
NORTHEAST NUCLEAR ENERGY COMPANY
DOCKET NO. 50-423

1. Please specify the starting date of the second 10-year Inservice Inspection (ISI) interval for Millstone Unit 3.
2. Please clarify the number of butt and socket welds for the following:
 - The 1196 Category B-J welds in Class 1 piping.
 - The 36 Category B-J welds scheduled to be examined during the planned refueling outage in February 2001, that are under the current American Society of Mechanical Engineers (ASME) Section XI ISI program.
 - The 96 B-J welds that are to be examined in the first period of the second ISI interval to meet the 1989 Code under the current ISI program.
3. In your submittal you state: "the RI-ISI program would require only 83 Class 1 piping locations to be examined (volumetric, surface, visual VT-2) over the entire ten-year interval."
 - Please clarify how many of these 83 welds are B-F welds, B-J butt welds, and B-J socket welds, respectively.
 - Please identify welds that would be examined by visual VT-2.
 - Please discuss and justify the use of visual VT-2 for Class 1 weld examinations. Please note that neither Table IWB-2500-1 of the ASME Code, Section XI, nor Table 4.1-1 of the Westinghouse topical report WCAP-14572 permit the use of visual VT-2.
4. According to an ASME Code Case under preparation, elements subject to external chloride stress corrosion cracking (ECSCC) should be examined by surface examination methods.
 - Please explain whether any Class 1 socket weld locations being proposed for VT-2 examination are susceptible to ECSCC.
 - Please explain whether any Class 1 socket weld locations being proposed for VT-2 examination are susceptible to any other outside diameter (OD) initiated degradation mechanism (i.e., thermal fatigue induced by low cyclic occurrences but with high bending stresses, etc.).
 - Please identify any other socket weld locations in the plant that may be affected by such a mechanism?

5. In your submittal you have proposed that the RI-ISI program be implemented in the second period of the second ISI interval with approximately one third of the interval examinations being scheduled in that period. Please note that the required percentage of inspections for the second period is 50%, as specified in Table IWB-2412-1 of the 1989 Edition of the ASME Code, Section XI.
 - Please provide a commitment to meet Code required percentage of RI-inspection in the second and third periods.