

April 6, 1994

Docket No. 50-245

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

Dear Mr. Opeka:

SUBJECT: MILLSTONE NUCLEAR POWER STATION, UNIT 1 - REQUEST TO USE AN
ALTERNATIVE TO ASME CODE SECTION XI (TAC NO. M88944)

This letter is in response to your request to use an alternative to the ASME Boiler and Pressure Vessel Code, Section XI requirements submitted by letter dated March 4, 1994.

Northeast Nuclear Energy Company (NNECO) requested approval to use the provisions of Code Case N-504 entitled "Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping, Section XI, Division 1," pursuant to 10 CFR 50.55a(a)(3)(i) for five weld overlay repairs. NNECO stated that they will not be taking any exceptions to Code Case N-504 and, following the weld overlay repair, pressure testing and preservice examinations will be performed in accordance with the Code Case.

The NRC staff has reviewed the NNECO submittal concerning the five weld overlays. Weld overlay reinforcement consists of applying weld metal over the weld and for a specified minimum distance beyond the weld on both sides. The overlay thickness is calculated so that the as-overlaid cracked weldment meets the IWB 3651 tables in Section XI of the ASME Boiler and Pressure Vessel Code. This repair is sufficient to maintain the structural integrity of the weld during operating conditions. Therefore, the NRC staff has concluded that the use of weld overlay repairs (using Code Case N-504 for guidance) is an acceptable alternative to a Code repair. The staff has determined that the alternative repairs are authorized under 10 CFR 50.55a(3)(i) and will provide an acceptable level of quality and safety.

Sincerely,
Original signed by Alexander W. Dromerick

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

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P PDR

cc: See next page

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NAME	SNorris	JAndersen:bp	JStrosnider	JStolz	MYoung
DATE	4/15/94	4/16/94	03/16/94	4/16/94	04/04/94

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

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Executive Vice President, Nuclear
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ALTERNATIVE TO ASME CODE SECTION XI (TAC NO. M88944)

This letter is in response to your request to use an alternative to the ASME Boiler and Pressure Vessel Code, Section XI requirements submitted by letter dated March 4, 1994.

Northeast Nuclear Energy Company (NNECO) requested approval to use the provisions of Code Case N-504 entitled "Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping, Section X", Division 1," pursuant to 10 CFR 50.55a(a)(3)(i) for five weld overlay repairs. NNECO stated that they will not be taking any exceptions to Code Case N-504 and, following the weld overlay repair, pressure testing and preservice examinations will be performed in accordance with the Code Case.

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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

cc: See next page

Mr. John F. Opeka
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit 1

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