

NORTHEAST UTILITIES



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

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270
HARTFORD, CONNECTICUT 06101
(203) 666-6511

May 19, 1983

Docket No. 50-336
A02544

Dr. Thomas E. Murley, Regional Administrator
Region 1, U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA. 19406

Reference: (1) IE Bulletin No. 82-02 dated June 2, 1982
(2) W. G. Council letter to R. C. Haynes dated July 30, 1982

Gentlemen:

Millstone Unit 2
Interim Response to IE Bulletin No. 82-02

In Reference (1), the NRC staff requested Northeast Nuclear Energy Company (NNECo) to perform certain actions with respect to the degradation of threaded fasteners in the Reactor Coolant Pressure Boundary (RCPB). In Reference (2), NNECo responded to Action Items 3 and 5 of Reference (1).

During an interim maintenance outage (March 1, 1983 to March 18, 1983) fasteners on two RCPB closures were inspected when the components were opened for maintenance. This letter provides information required by Action Item 4 of Reference (1).

Action Item 4:

A written report signed under oath of affirmation under provisions of Section 182a, Atomic Energy Act of 1954 as amended, shall be submitted to the Regional Administrator of the appropriate NRC Regional Office within 60 days following the completion of the outage during which Action Item 2 was performed. The report shall include:

- a. A statement that Action Item 1 has been completed.
- b. Identification of the specific connections examined as required by Action Item 2.

TEL

- c. The results of the examinations performed on the threaded fasteners as required by Action Item 2. If no degradation was observed for a particular connection, a statement to that effect, identification of the connection and, whether the fasteners were examined in place or removed is all that is required. If degradation was observed, the report should provide detailed information.

Response:

- a. Action Item 1 has been completed. Maintenance procedures for threaded fasteners which address the above items were already in place for the items inspected. Quality Assurance measures were already established and implemented for proper selection, procurement, and application of fastener lubricants.
- b. The listed components were examined as required by Action Item 2 during this interim maintenance outage:
 1. Forty (40) steam generator manway closure studs were removed and inspected.
 2. Two (2) safety injection system check valve cap closure studs were removed and inspected. The remaining fourteen (14) studs were inspected visually in place.
- c. The results of these examinations were as follows:
 1. No linear indications were found in any of the steam generator manway studs. Five studs with unacceptable mechanical damage (e.g. gouges, nicks, galled threads) were replaced.
 2. No linear indications were found on any of the safety injection check valve studs. One stud was replaced due to unacceptable general corrosion. This stud had been in the area of the leak which initiated the repair action. This corrosion was characteristic of that seen in carbon steel exposed to boric acid solutions. There was no significant reduction in stud diameter. In addition carbon steel fasteners in this valve were replaced with stainless steel.

Action items of Reference (1), not yet complete at Millstone Unit Two will be completed during the refueling outage currently scheduled to begin on May 28, 1983. A final report will be submitted within 60 days following the completion of the outage as required by Reference (1).

The following additional information relative to these specific inspections is provided as required:

1. Staff time to perform inspections - 180 man-hours.
2. Radiation exposure attributed to the inspections - estimated 0.8 man-rem, not specifically recorded.
3. Staff time for this response - 4 man-hours.

We trust you will find this information responsive the the Reference (i) requests.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

W. G. Council
W. G. Council
Senior Vice President

by: C. F. Sears
C. F. Sears
Vice President
Nuclear & Environmental
Engineering

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

Then personally appeared before me C. F. Sears, who being duly sworn, did state that he is Vice President - Nuclear & Environmental Engineering, of Northeast Nuclear Energy Company, a Licensee herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Licensees herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.

Donald Bell
Notary Public

My commission expires: March 31, 1988