

# NORTHEAST UTILITIES



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

General Offices • Selden Street, Berlin, Connecticut

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(203) 666-6911

June 18, 1984

Docket No. 50-423

B11232

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 W. G. Council, Draft SER, dated December 20, 1983.
  - (2) B. J. Youngblood letter to W. G. Council, Request for Additional Information, dated January 16, 1984.
  - (3) W. G. Council letter to B. J. Youngblood, Response to DSER Open Item 250.10.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 3  
Response to Materials Engineering Branch Open Items


Attached is the response of Northeast Nuclear Energy Company (NNECO) to the Materials Engineering Branch, Inservice Inspection Section, request for additional information concerning the recording and investigating crack indications (MTEB 250.10). We expect the response will resolve the Staff's concerns regarding this issue.

If there are any questions, please contact our licensing representative.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY  
Et. Al.

BY NORTHEAST NUCLEAR ENERGY COMPANY,  
Their Agent

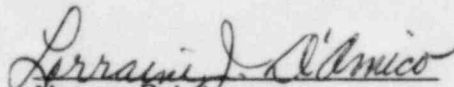
  
W. G. Council  
Senior Vice President

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

Then personally appeared before me W. G. Council, 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

Millstone Nuclear Power Station, Unit No. 3  
Open Item  
Materials Engineering Branch  
Inservice Inspection Section

MTEB 250.10 Recording and Investigating Crack Indications (Draft SER Section 6.6)

250.10 Your response to Question 250.4 states that only indications 50 percent of DAC or greater will be recorded and investigated. This is not acceptable because a direct correlation does not always exist between the amplitude of ultrasonic response and the size of actual flaws.

Our position is when using either Article 5 of Section V or Appendix III of Section XI for examination of either ferritic or austenitic piping welds, the following should be incorporated:

1. Any crack-like indication, regardless of ultrasonic amplitude, discovered during examination of piping welds or adjacent base metal materials should be recorded and investigated by a Level II or Level III examiner to the extent necessary to determine the shape, identity, and location of the reflector.
2. The Owner should evaluate and take corrective action for the disposition of any indication investigated and found to be other than geometrical or metallurgical in nature.

Response:

NUSCO will revise their ultrasonic procedures for examining ferritic and austenitic pipe welds, per our recent discussion, to incorporate the following paragraph:

"Any indication of a suspected flaw, regardless of amplitude, discovered during examination of piping welds or adjacent base material shall be recorded."