

NORTHEAST UTILITIES



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

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April 13, 1984

Docket No. 50-423
B11125

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, Supplement to the
Millstone Nuclear Power Station, Unit No. 3 Draft SER,
dated February 24, 1984.

Dear Mr. Youngblood:

Millstone Nuclear Power Station, Unit No. 3
Response to Core Performance Branch (CPB) DSER Open Item CPB-8

Attached is Northeast Nuclear Energy Company's (NNECO) response to Core
Performance Branch DSER open item CPB-8 concerning on-line fuel system
monitoring which was transmitted to NNECO via Reference (1). We expect this
response will fully resolve the Staff's concerns regarding this open item. If you
have any questions, please contact our licensing representative directly.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY ET AL
By Northeast Nuclear Energy Company, Their
Agent

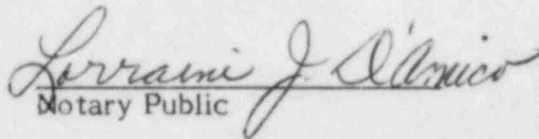
A handwritten signature in cursive script, appearing to read 'W. G. Council', written over a horizontal line.
W. G. Council
Senior Vice President

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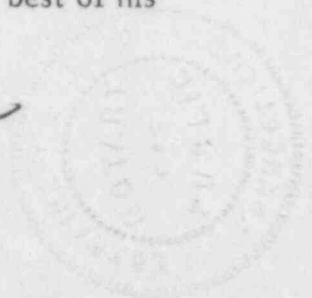
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STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Then personally appeared before me W. G. Counsil, 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, 1983



Open Items

Core Performance Branch (CPB)

CPB-8 On-Line Fuel System Monitoring (Draft SER Section 4.2.4.2)

The applicant should provide on-line fuel rod failure detection methods. These are needed to satisfy the guidelines described in Paragraph II.D.2 of the SRP.

Response:

To meet the on-line fuel system monitoring requirement, Millstone 3 is providing an on-line failed fuel radiation monitor (Instrument number 3CHS-RE69) in the letdown portion of the chemical volume and control system. This radiation monitor has the capability to measure radiation levels in the reactor coolant that would be caused by failed fuel. Refer to FSAR Section II.5.2.3.7 for a description of the failed fuel monitor. Refer to FSAR Figure 9.3-8 Sheet 1 of 4 for the Piping and Instrumentation Diagram showing the process location of the failed fuel monitor.

This monitor is indicated and alarmed in the control room. Should this monitor alarm, possibly indicating failed fuel, plant personnel will take a reactor coolant sample and perform a radiochemical analysis.