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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October 31, 1984

B11352

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

Dear Mr. Youngblood:

Millstone Nuclear Power Station, Unit No. 3
Transmittal of a Response to SER Confirmatory Item 37

Enclosed is Northeast Nuclear Energy Company's response to SER Confirmatory Item 37 concerning the power lockout feature for certain motor operated valves. This response should fully resolve the Staff's concern regarding Confirmatory Item 37.

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

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY
et. al.

BY NORTHEAST NUCLEAR ENERGY COMPANY
Their Agent

W. G. Counsil
Senior Vice President

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 a 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.

Lorraine J. D'Amico
Notary Public

My Commission Expires March 31, 1988

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Millstone Unit No. 3
Confirmatory Items
Instrumentation and Control Systems Branch

SER-C37 Power Lockout Feature for Certain Motor-Operated Valves (SER 7.3.3.9)

The design of the control circuits for some motor-operated valves includes a power lockout feature. The power lockout is used to preclude single failures that could result in an inadvertent change in valve position. The power lockout feature consists of an additional set of contactors that interrupts power to the valve motor and is controlled by manual switches located on the rear panel of the main control board. The staff raised a concern that when the power lockout feature is used, a single failure could result in the pickup and seal-in of the contactors used for normal valve control and that this condition would not be detectable. Further, this condition could occur if an attempt were made to change the position of the valve by the valve control switch. Under these conditions single failures in the power lockout circuits could result in an inadvertent change in valve position. The applicant proposed a modification of the design that uses an auxiliary contact of the power lockout contactors to deenergize the normal contact circuit. The staff finds the proposed modification acceptable. This is a confirmatory item subject to documentation of the drawing changes.

Response (10/84)

The modification of the power lockout feature has been implemented for the following motor-operated valves:

Valve No.	Function	Drawing No.
3SIH*MV8806	SI pumps suction/RWST	ESK-6MF
3SI*MV8840	RHR pumps/hot leg	ESK-6NH
3SI*MV8802A	SI pump discharge/hot leg	ESK-6MR
3SI*MV8802B	SI pump discharge/hot leg	ESK-6MS
3SIH*MV8835	SI pump discharge/hot leg	ESK-6ML
3SIL*MV8809A	RHR pump discharge/cold leg	ESK-6MZ
3SIL*MV8809B	RHR pump discharge/cold leg	ESK-6NA
3SIH*MV8813	SI pumps miniflow isolation valve	ESK-6MN
3RHS*MV8716A	RHR pump discharge crossover/ hot/cold leg	ESK-6NJ
3RHS*MV8716B	RHR pump discharge crossover/ hot/cold leg	ESK-6NK
3SIH*MV8821A	SI pump discharge crossover/ hot/cold leg	ESK-6MJ
3SIH*MV8821B	SI pump discharge crossover/ hot/cold leg	ESK-6MK

Two copies for each of the above drawings have been provided directly to your Ms. E. L. Doolittle, NRC Project Manager for Millstone Unit 3.

Status (10/84)

Closed.