



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

May 15, 1989

Docket No. 50-245

Mr. Edward J. Mroczka
Senior Vice President
Nuclear Engineering and Operations
Northeast Nuclear Energy Company
P. O. Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Mroczka:

SUBJECT: REVOCATION OF EXEMPTION FROM 10 CFR 50.49 FOR CERTAIN VALVE
OPERATORS - MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1
(TAC NO. 72951)

By letter dated June 8, 1987, the NRC granted, pursuant to 10 CFR 50.12, an exemption from the environmental qualification requirements of 10 CFR 50.49 for seven valve motor operators. At that time, it was determined that the additional qualification of these valve motor operators was not necessary to ensure that the required systems will function to mitigate a design basis event.

Two of the valves covered by that exemption, 1-CU-2 and 1-CU-3, are isolation valves on the reactor water cleanup system suction piping. NNECO had assessed the likelihood that these valves would perform their intended function prior to harsh post-accident environments and determined that qualification was not necessary given the availability and timing of isolation signals. On January 31, 1989, the licensee determined that the isolation signals may not produce a timely isolation response for a limited number of small pipe break scenarios. For these scenarios, the resulting environment, although less severe than under a large break, would be present over a longer period of time than for large breaks prior to detection of the break and initiation of the isolation signals. Thus, the operability of these valve motor operators under these conditions could not be assured.

By letter dated March 2, 1989, NNECO forwarded Licensee Event Report (LER) 89-001 to document this issue. In that LER NNECO identified appropriate short term corrective actions and committed to replace the valve operators for 1-CU-2 and 1-CU-3 with environmentally qualified operators during the next refueling outage which has since started on April 8, 1989. By letter dated April 17, 1989, NNECO furnished additional information on this issue.

Based on the information presented by NNECO and NNECO's commitment to qualify the motor operators for valves 1-CU-2 and 1-CU-3 during the current refueling outage, the NRC is revoking the exemption from 10 CFR 50.49 for these two valves. In addition, NNECO is required to complete the qualification of these valves prior to restart of Millstone Unit 1.

Mr. Edward J. Mroczka

- 2 -

It should be noted that five valve operators are still covered by the June 8, 1987, exemption. The motor operators for valves 1-LP-15A/B and 1-LP-16A/B (containment spray isolation valves) are being replaced by NNECO with operators that meet the requirements of 10 CFR 50.49 because the containment spray function will be included in NNECO's upgrade of the Millstone Unit No. 1 Emergency Operating Procedures (EOPs) to Revision 4. The need for the continuance of the exemption for these valves will be reviewed prior to the EOPs being implemented in the Fall of 1989.

Sincerely,

/s/

Steven A. Varga, Director
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosure:
Revocation of Exemption

cc w/enclosure:
See next page

DISTRIBUTION

Docket File

NRC & Local PDRs

PDI-4 Reading

T. Murley/J. Sniezek

J. Partlow

E. Rossi

S. Varga

B. Boger

J. Stolz

S. Norris

M. Boyle

OGC-WF

E. Jordan

B. Grimes

T. Meek (4)

ACRS (10)

GPA/PA

ARM/LFMB

[MILLSTONE EXEMPTION LTR]

LA:PDI-4

for SNorris *Wigan*
04/28/89

PM:PDI-4 *MLB*

MBoyle:bd
04/26/89

ES
OGC

04/1/89

D:PDI-4

JStolz
04/01/89

BA
ADRI:DRPR

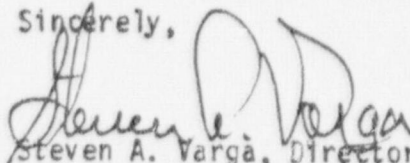
BBoger
05/01/89

D:DRPR

SVarga
05/15/89

It should be noted that five valve operators are still covered by the June 8, 1987, exemption. The motor operators for valves 1-LP-15A/B and 1-LP-16A/B (containment spray isolation valves) are being replaced by NNECO with operators that meet the requirements of 10 CFR 50.49 because the containment spray function will be included in NNECO's upgrade of the Millstone Unit No. 1 Emergency Operating Procedures (EOPs) to Revision 4. The need for the continuance of the exemption for these valves will be reviewed prior to the EOPs being implemented in the Fall of 1989.

Sincerely,



Steven A. Varga, Director
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosure:
Revocation of Exemption

cc w/enclosure:
See next page

Mr. Edward J. Mrocza
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit No. 1

cc:

Gerald Garfield, Esquire
Day, Berry and Howard
Counselors at Law
City Place
Hartford, Connecticut 06103-3499

R. M. Kacich, Manager
Generation Facilities Licensing
Northeast Utilities Service Company
Post Office Box 270
Hartford, Connecticut 06141-0270

W. D. Romberg, Vice President
Nuclear Operations
Northeast Utilities Service Company
Post Office Box 270
Hartford, Connecticut 06141-0270

D. O. Nordquist
Manager of Quality Assurance
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

Kevin McCarthy, Director
Radiation Control Unit
Department of Environmental Protection
State Office Building
Hartford, Connecticut 06106

Regional Administrator
Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

Bradford S. Chase, Under Secretary
Energy Division
Office of Policy and Management
80 Washington Street
Hartford, Connecticut 06106

First Selectmen
Town of Waterford
Hall of Records
200 Boston Post Road
Waterford, Connecticut 06385

S. E. Scace, Station Superintendent
Millstone Nuclear Power Station
Northeast Nuclear Energy Company
Post Office Box 128
Waterford, Connecticut 06385

W. J. Raymond, Resident Inspector
Millstone Nuclear Power Station
c/o U. S. Nuclear Regulatory Commission
Post Office Box 811
Niantic, Connecticut 06357

J. P. Stetz, Unit Superintendent
Millstone Unit No. 1
Northeast Nuclear Energy Company
Post Office Box 128
Waterford, Connecticut 06385