

NOV 23 1990

Docket No. 50-245

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

Gentlemen:

Subject: NRC Region I Inspection No. 50-245/90-83

This refers to the special inspection conducted by Mr. J. T. Shedlosky, A. Lohmeier and A. Vegel of this office on October 1 through October 4, 1990, and November 7, 1990; at the Millstone Nuclear Power Station, Unit 1, Waterford, Connecticut, and at the Northeast Nuclear Energy Company office in Berlin, Connecticut, and to the discussions of our findings by Mr. Shedlosky with Mr. H. Haynes and others of your staff at the conclusion of the inspection.

The purpose of this inspection was to examine the condition of the low pressure coolant injection system containment cooling heat exchangers; to assess the potential for flow induced failure of the heat exchangers; and, to gather information on the circumstances of discovery of this issue. The inspection consisted of selective examination of design information, records and procedures, interviews with personnel, and the inspection of plant equipment.

Based on our review of the potential for flow induced damage to heat exchanger tubes caused by operators following station emergency operating procedures, and due to the fourteen month delay in taking corrective actions after making the initial discovery, we have arranged to hold an enforcement conference. This was discussed between Mr. P. Blasioli of your staff and Mr. J. Stewart of this office, the conference will be held at our office in King of Prussia, PA, on December 4, 1990, at 9:00 a.m.

At that meeting, you should be prepared to address the safety consequences of postulated flow-induced tube failures on successful post accident containment cooling and also to discuss the delay in taking corrective actions following initial discovery of the problem on June 23, 1989.

We will use our knowledge of the event, as described in the enclosed inspection report, and any information you may present at the enforcement conference in determining the appropriate enforcement action.

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Our decision concerning enforcement action for this matter will be communicated to you following the enforcement conference.

In accordance with 10 CFR 2.790(a), a copy of this letter and the enclosure will be placed in the NRC Public Document Room.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By

Charles W. Hehl, Director
Division of Reactor Projects

Enclosure: NRC Region I Inspection Report No. 50-245/90-83

cc w/encl:

W. D. Romberg, Vice President, Nuclear Operations
S. E. Scace, Station Director, Millstone
H. F. Haynes, Nuclear Unit Director, Millstone Unit 1
D. O. Nordquist, Director of Quality Services
R. M. Kacich, Manager, Generation Facilities Licensing
Gerald Garfield, Esquire
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Senior Resident Inspector
State of Connecticut

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bcc w/encl:

- C. Hehl, DRP
- J. Wiggins, DRP
- W. Hodges, DRS
- J. Durr, DRS
- R. Gallo, DRS
- M. Knapp, DRSS
- R. Cooper, DRSS
- J. Stolz, NRR/PD 14
- DRP Section Chief
- E. Gray, DRS
- J. Shedlosky, SRI, Haddam Neck
- D. De npsy, RI, Millstone Unit I
- M. Boyle, PM, NRR
- Region I Docket Room (with concurrences)
- Management Assistant, DRMA (w/o enclosures)

RI:DRP
 VEGEL
 11/21/90

RI:DRP
 SHEDLOSKEY
 11/21/90

RI:DRS
 LOHMEYER
 11/21/90

RI:DRS
 GRAY
 11/23/90

RI:DRP
 HAVERKAMP
 11/21/90

RI:DRP
 WENZINGER
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 HEHL
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