

NORTHEAST UTILITIES



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

P.O. BOX 270
HARTFORD, CONNECTICUT 06101
(203) 666-6911

March 31, 1983
MP-4847

Mr. Ronald C. Haynes
Regional Administrator, Region 1
U. S. Nuclear Regulatory Commission Regional Office
631 Park Avenue
King of Prussia, Pennsylvania 19406

Reference: Facility Operating License No. DPR-65
Docket No. 50-336
Reportable Occurrence RO 50-336/83-10/03L-0

Dear Mr. Haynes:

This letter forwards the Licensee Event Report 83-10/03L-0 required to be submitted within thirty days pursuant to Millstone Unit 2 Appendix A Technical Specifications, Section 6.9.1.9.b conditions leading to operation in a degraded mode permitted by a limiting condition. An additional three copies of the report are enclosed.

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

E. J. Mroczka
Station Superintendent
Millstone Nuclear Power Station

EJM/RB:jlc

Attachment: LER RO 50-336/83-10/03L-0

cc: Director, Office of Inspection and Enforcement, Washington, D. C. (30)
Director, Office of Management Information and Program Control,
Washington, D. C. (3)
U. S. Nuclear Regulatory Commission, c/o Document Management Branch,
Washington, D. C. 20555

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ATTACHMENT TO LER 83-10/03L-0
NORTHEAST NUCLEAR ENERGY COMPANY
MILLSTONE NUCLEAR POWER STATION - UNIT 2
FACILITY OPERATING LICENSE NUMBER DPR-65
DOCKET NO. 50-336

Cause Description and Corrective Actions

During plant cooldown on 2 March 1983, the pressurizer spray water temperature differential exceeded the limit outlined in T.S. 3.4.9.2.c, a maximum pressurizer spray water temperature differential of 350°F. This occurred while in Mode 4, with an RCS temperature of approximately 290°F, a steam space temperature of approximately 545°F and with RCS pressure less than 500 psig. At this RCS temperature, with only one RCP operating, there was insufficient pressurizer pressure control, such that when auxiliary spray was initiated, spray water temperature differentials of 367°F for a period of approximately 8 minutes and 391°F for a period of approximately 4 minutes occurred.

An engineering evaluation was performed on the pressurizer spray nozzle and the pressurizer spray piping to determine the effects of the out-of-limit condition on the fracture toughness properties of the pressurizer. It was determined that these transients did not compromise the structural integrity of the pressurizer spray nozzle or the pressurizer spray piping, and that the pressurizer remains acceptable for continued operation.

A Technical Specification change is currently being internally reviewed. This would allow a greater pressurizer level span, which would help to increase the actual pressurizer cooldown while in Mode 3.