

NORTHEAST UTILITIES



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

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July 30, 1982
MP-2-5258

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

Reference: Facility Operating License No. DPR-65
Docket No. 50-336
Reportable Occurrence RO-50-336/82-28/03L-0

Dear Mr. Haynes:

This letter forwards Licensee Event Report 82-28/03L-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 for operation. 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:mo

Attachment: LER RO-82-28/03L-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 82-28/03L-0
NORTHEAST NUCLEAR ENERGY COMPANY
MILLSTONE NUCLEAR POWER STATION-UNIT 2
FACILITY OPERATING LICENSE NUMBER DPR-65
DOCKET NO. 50-336

Event Description and Probable Consequences

While in a hot standby condition caused by a full power trip on 12 July 1982, surveillance testing indicated an activity in the primary coolant of greater than 1.0 microcuries per gram D.E. I-131. For 16 hours the activity was above 1.0 microcuries per gram D.E. I-131, and has since decreased to less than 0.1 microcuries per gram D.E. I-131.

This higher than normal activity in the coolant indicates probable fuel defects. Millstone 2 restarted from a refueling outage in March 1982. See LER 82-19/99X-0 for further discussion of fuel defects at Millstone 2.

1. Reactor power history 48 hours prior to event:

Millstone 2 was operating at 100% power until 0500, 12 July 1982, when it underwent a full power trip due to a turbine trip, caused by turbine thrust bearing surveillance.

2. Fuel burnup by core region:

The Millstone 2 core consists of 3 regions and a center assembly. The most burned region, consisting of Combustion Engineering manufactured fuel, had a burnup of 26650 MWD/MTU.

The next region, consisting of the leading Westinghouse manufactured fuel, had a burnup of 14310 MWD/MTU.

The new fuel, also manufactured by Westinghouse, had a burnup of 3080 MWD/MTU.

The center assembly consisting of a single re-insert assembly was manufactured by Combustion Engineering and had a burnup of 20500 MWD/MTU.

3. Coolant purification flow was approximately 80 gpm during the 48 hours preceding the event.
4. There was no prior history of degassing operations in the period preceding the event.
5. The duration that the primary coolant exceeded 1.0 microcuries per gram Dose Equivalent Iodine 131 was approximately 16 hours on 12 July 1982.

ATTACHMENT TO LER 62-28/03L-0
NORTHEAST NUCLEAR ENERGY COMPANY
MILLSTONE NUCLEAR POWER STATION-UNIT 2
FACILITY OPERATING LICENSE NUMBER DPR-65
DOCKET NO. 50-336

<u>Time/Date of Sample</u>	<u>Microcuries per gram D.E. I-131</u>
0520/12 July 1982	0.801
0620/ "	1.020
0730/ "	1.362
0830/ "	1.953
0930/ "	1.707
1030/ "	1.797
1130/ "	1.711
1230/ "	1.692
1330/ "	2.014
1430/ "	1.546
1520/ "	1.428
1630/ "	1.403
1830/ "	1.248
2130/ "	0.989
0230/13 July 1982	0.793