

August 21, 1984

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-84-52A

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region II staff on this date.

FACILITY: Duke Power Company  
McGuire Unit 2  
Docket No. 50-370  
Cornelius, North Carolina

Licensee Emergency Classification:  
  X   Notification of Unusual Event  
       Alert  
       Site Area Emergency  
       General Emergency  
       Not Applicable

SUBJECT: LEAK INSIDE CONTAINMENT - UPDATE

This PN updates PNO-II-84-52 issued on August 20.

A containment entry by Duke Power Company personnel confirmed that, as suspected, a sight glass was blown out of a three-quarter-inch, upper head injection system vent line. It appears that this low pressure line was subjected to reactor pressure because of a partially opened vent valve downstream from the upper head injection vent valve. This vent valve apparently permitted reactor coolant, at 1800 pounds per square inch pressure, to flow from the reactor vessel into the vent line.

The leak was isolated by 11 a.m. (EST) yesterday. At the same time, Duke terminated the unusual event designation which had been declared three and a half hours earlier.

As the result of the site glass break, 4800 gallons of reactor coolant inventory spilled into the reactor building sump area. An inspection of the lower containment area by both Duke workers and Region II inspectors found no damage to instrumentation and piping in the vicinity of the pressurizer relief tank, where the sight glass rupture occurred. Duke also checked the electrical circuits of appropriate pump and valve motors, replaced non-safety charcoal filters in the lower containment ventilation system, replaced the broken sight glass, and reviewed the plant alarm printer for abnormalities.

Duke has resumed the filling and venting of the upper head injection system and now anticipates that the unit will be restarted by tomorrow.

Duke issued a press release on the incident yesterday. Region II has had no media inquiries.

The State of North Carolina has been informed.

This information is current as of 2 p.m. today.

Contact: A. J. Ignatonis, RII 242-5563

V. I. Brownlee, RII 242-5583

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PDR I&E  
PNO-II-84-052A PDR

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If your actions are not in accordance with the above, you should contact this office immediately.

Sincerely,

**Original Signed By:**

Thomas T. Martin, Director  
Division of Engineering and  
Technical Programs

cc:

J. B. Sinclair, Licensing Engineer  
W. F. Conway, President and Chief Executive Officer  
J. P. Pelletier, Plant Manager  
Donald Hunter, Vice President  
Cort Richardson, Vermont Public  
Interest Research Group, Inc.  
Public Document Room (PDR)  
Local Public Document Room (LPDR)  
Nuclear Safety Information Center (NSIC)  
NRC Resident Inspector  
State of New Hampshire  
State of Vermont  
V. Rooney, NRR  
R. Eberly, CMEB, NRR  
R. Ferguson, CMEB, NRR

bc::

Region I Docket Room (with concurrences)  
Chief, Project Section 3A

6/14/84 c/j  
RI:DETP  
Pullani

8/14/84 c/j  
RI:DETP  
Anderson

RI:DPRP  
Tripp  
[Signature]

[Signature]  
RI:DETP  
Ebneter  
8/19/84

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