



Commonwealth Edison

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BBS Ltr. #664-75

Dresden Nuclear Power Station
R.R. #1
Morris, IL 60450
October 7, 1975



Mr. James G. Keppler, Regional Director
Directorate of Regulatory Operation-Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

SUBJECT: REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.A OF THE TECHNICAL SPECIFICATIONS
UNIT-3 FEEDWATER HEATER 3D3 DRAIN LINE LEAK

- References:
- 1) Regulatory Guide 1.16 Rev. 1 Appendix A
 - 2) Notification of Region III of U.S. Nuclear Regulatory Commission
Telephone: R. Knop, 1015 hours on September 28, 1975
Telegram: J. Keppler, 1120 hours on September 29, 1975
 - 3) Drawing Number M-351

Report Number: 50-249/75-43

Report Date: October 6, 1975

Occurrence Date: September 27, 1975

Facility: Dresden Nuclear Power Station, Morris, Illinois

IDENTIFICATION OF OCCURRENCE

A leak was discovered in the drain line from feedwater heater 3D3 to heater 3C3. This constitutes an abnormal degradation of a boundary designed to contain radioactive materials.

CONDITIONS PRIOR TO OCCURRENCE

Unit-3 was operating at a steady-state power level of 2241 MWt and 750 MWe. No testing was in progress.

DESCRIPTION OF OCCURRENCE

At approximately 1445 hours on September 27, 1975, the 3D3 feedwater heater drain line was found to be leaking. A hairline crack approximately 2" in length was discovered at a pipe support intersection.

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October 7, 1975

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

The occurrence was caused by poor weld installation of the drain line pipe support. The drain line appeared to have been undercut at the pipe support during installation, resulting in a hairline crack after years of operation.

ANALYSIS OF OCCURRENCE

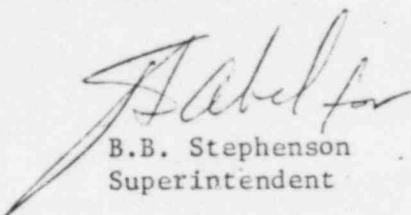
The health and safety of the public were not threatened by this occurrence. The leakage occurred in an area which is unoccupied during normal plant operation. The floor drain system was fully capable of handling the leakage, and any airborne activity would have been monitored before being released. Tech Spec release limits were never exceeded; any release of radioactive material to the environs was too small to be detectable.

CORRECTIVE ACTION

The immediate corrective action was to grind out and reweld the crack. In addition, the other four pipe supports on the 3D3 feedwater heater drain lines were subsequently inspected and found to be secure.

FAILURE DATA

A similar drain line failure occurred on Unit-2 July 20, 1975 (Report No. 50-237/75-35). A 4" crack was discovered at a pipe support intersection. The failure was attributed to line vibration.



B.B. Stephenson
Superintendent

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File/NRC