

Commonwealth Edison Company
Dresden Generating Station
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Tel 815-942-2920



February 06, 1998

JMHLTR: #98-0039

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Enclosed is Licensee Event Report 98-001, Docket 50-237, which describes the potential for post-LOCA temperatures in the Secondary Containment to be higher than those values used for the environmental qualification of electrical equipment due to a design error.

This report is being submitted pursuant to 10 CFR 50.73(a)(2)(ii)(A) which requires the reporting of any event or condition that resulted in the nuclear power plant being in an unanalyzed condition that significantly compromised plant safety.

The following compensatory actions were taken to reduce the calculated maximum post-LOCA temperatures in the general areas of the reactor building:

1. The tarpaulin used to close the equipment hatches at 613 level of the reactor building was removed. The tarpaulin can only be installed during a refueling outage in the unit which is in refueling only. (complete)
2. Administrative measures were taken to limit the normal reactor building temperature to less than or equal to 98 F. (complete)
3. Administrative measures were taken to require opening the south turbine building roll up doors (if the turbine building ventilation is not operating) within 12 hours after the LOCA. (complete)
4. Administrative measures were taken to limit the number of shut down cooling pumps operated during the shutdown of the LOCA and non-LOCA unit to one per unit. (complete)
5. Administrative measures were taken to commence shut down of the non-LOCA unit within 12 hours after the LOCA and in cold shut down within 20 hours post-LOCA. (complete)
6. Administrative measures were taken to shut down the Reactor Water Clean-Up system in the non-LOCA unit within 2 hours after the LOCA. (complete)
7. Administrative measures were taken to limit the number of fuel pool cooling pumps operated in the LOCA and non-LOCA units to one per unit within 2 hours after the LOCA and thus reduce the heat load into the non-LOCA unit Reactor Building. (complete)

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Currently design inputs and engineering calculations are controlled by ComEd NEP 12-01 and 12-02. Engineering input similar to the EQ zone temperatures are required to be documented in engineering calculations that are prepared, reviewed and approved per NEP 12-02 (Complete)

This correspondence contains the following commitment:

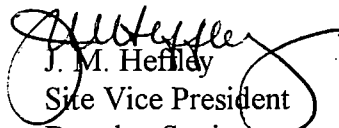
Administrative measures will be taken prior to February 21, 1998 to shut off the non-emergency lights of the reactor building in 48 hours or further evaluation will be performed to justify continued operation. (NTS 237-180-98-00106)

Based on the current operability evaluation Dresden Units 2 and 3 are operable until April 20, 1998. The corrective actions for the resolution of the higher post-LOCA temperatures in the reactor building has not been finalized. A follow-up response will include the corrective actions to restore the degraded condition. The following corrective actions will be taken to restore the degraded condition.

1. Perform an independent review of the reactor building post-LOCA temperature calculations. (NTS 237-180-98-00105)
2. Develop a long term plan to reduce the post-LOCA temperatures in the Reactor Building or qualify the affected equipment. (NTS 237-180-98-00104)
3. Review the basis of the post-LOCA temperatures for the other EQ zones in Section 3.11 of the UFSAR and update Section 3.11 of the UFSAR. (NTS 237-180-98-00101)

If you have any questions, please contact Frank Spangenberg, Dresden Regulatory Assurance Manger at (815) 942-2920 extension, 3800.

Sincerely,


J. M. Heffley
Site Vice President
Dresden Station

Enclosure

cc: A. Bill Beach, Regional Administrator, Region III
NRC Resident Inspector's Office