

Attachment to Confirmatory Action Letter

September 18, 1997

AEP:NRC:1260G1

Docket No: 50-315
50-316

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

Attn: A. B. Beach

Gentlemen:

Donald C. Cook Nuclear Plant Units 1 and 2
LICENSE NOS. DPR-58 AND DPR-74
SUMMARY OF RESTART ITEMS

During the recently completed architect engineer design inspection, the NRC identified issues involving configuration management, design and procedure control, and our understanding of the plant's design and licensing bases. One of the issues we identified during the process of researching the answers to NRC questions involving recirculation sump level, was the basis for our decision to shut down both units due to our inability to demonstrate to ourselves that the emergency core cooling and containment spray systems would be operable under required conditions. Other 10 CFR 50.72 notifications were made as a result of items identified during the inspection due to unanalyzed conditions or conditions outside the plant's design basis.

We view these findings as substantial, and we are taking prompt and aggressive corrective actions. The attachment to this letter contains our actions regarding technical issues identified during the inspection that will be resolved prior to restart of the units.

Sincerely,

E. E. Fitzpatrick
Vice President

jen

Attachment

c: A. A. Blind
MDEQ - DW & RPD
NRC Resident Inspector
J. R. Padgett

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bc: S. J. Brewer/M. S. Ackerman/K. J. Toth
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J. B. Hickman, NRC - Washington, D.C. - w/attachments
PRONET - w/attachments
M. J. Gumns

ATTACHMENT TO AEP:NRC:1260G1

ACTIONS RELATED TO AE
DESIGN INSPECTION ISSUES THAT
WILL BE RESOLVED PRIOR TO RESTART

1. Recirculation Sump Inventory/Containment Dead Ended
Compartments Issue

Analyses will be performed to demonstrate that the recirculation sump level is adequate to prevent vortexing, or appropriate modifications will be made.

2. Recirculation Sump Venting Issue

Venting will be re-installed in the recirculation sump cover. The design will incorporate foreign material exclusion requirements for the sump.

3. Thirty-six Hour Cooldown, with One Train of Cooling

Analyses will be performed that will demonstrate the capability to cool down the units consistent with design basis requirements and necessary changes to procedures will be completed.

4. ES-1.3 (Switchover to Recirculation Sump) procedure

Changes to the emergency procedure used for switchover of the emergency core cooling and containment spray pumps to the recirculation sump will be implemented. These changes will provide assurance there will be adequate sump volume, with proper consideration of instrument bias and single failure criteria.

5. Compressed Air Overpressure Issue

Overpressure protection will be provided downstream of the 20 psig, 50 psig, and 85 psig control air regulators to mitigate the effects of a postulated failed regulator.

6. Residual Heat Removal (RHR) Suction Valve Interlock Issue

A technical specification change to allow operation in mode 4 with the RHR suction valves open and power removed is being processed. Approval of this change by the NRC will be required prior to restart.

7. Fibrous Material in Containment

Removal of fibrous material from containment that could clog the recirculation sump will be completed.