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ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

10CFR50.47

May 26, 1987

Docket No. 50-461

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

Subject: Clinton Power Station
Notification of Unusual Event

Dear Sir:

Please find attached a summary report of the "Notification of Unusual Event (NOUE)" which occurred at Clinton Power Station on May 24, 1987. This summary report is submitted pursuant to Appendix 1 of NUREG-0654 (Revision 1) and Table 4-1 of the Clinton Power Station Emergency Plan. Please call me if you have any questions on this report.

Sincerely yours,

F. A. Spangenberg
Manager - Licensing and Safety

PJT/ckc

Attachment

cc: Regional Administrator, Region III, USNRC
W. Snell, Chief Emergency Preparedness Section
B. L. Siegel, NRC Clinton Licensing Project Manager
NRC Resident Office
Illinois Department of Nuclear Safety

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Clinton Power Station
Notification of Unusual Event

On Sunday, May 24, 1987, at approximately 1800, with the reactor at 18% power, and the generator carrying 122 MWe, the motor driven feed pump regulating valve (1FW-F004) malfunctioned causing reactor water level to increase.

The feed pump regulating valve was shifted from automatic to manual control, but the valve did not respond. At 1815, the water level oscillations resulted in a power excursion which resulted in an automatic trip at 40% reactor power. The high flux trip is set at 40% instead of 120% during the startup test program. A notification of Unusual Event was declared at 1815 and subsequently terminated at 1855. An investigation into the failure of 1FW004 is ongoing.