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ILLINOIS POWER COMPANY



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

June 7, 1989

Docket No. 50-461

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

Subject: Clinton Power Station Alert

Dear Sir:

Please find attached a summary report of the Alert which occurred at the Clinton Power Station on June 1, 1989. This summary report is submitted pursuant to Appendix 1 of NUREG-0654 (Revision 1) and Clinton Power Station Emergency Plan Implementing Procedure AP-03. If there are any questions concerning this summary report, please contact me at (217) 935-8881, extension 3400.

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'D L Holtzscher'.

D. L. Holtzscher
Acting Manager -
Licensing and Safety

RLG/krm

Attachments

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

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Clinton Power Station Alert

On Thursday, June 1, 1989, at 0045 hours, the Clinton Power Station (CPS) was operating at approximately 40 percent power. After shifting the reactor recirculation (RR) pump "B" to fast speed, the control room operators observed a pressure drop in the reactor recirculation pump "B" seals. A control room operator checked the drywell floor drain sump flow recorder and found it indicating greater than 5 gallons per minute (gpm).

At 0055 hours, the Shift Supervisor declared a Notification of Unusual Event (NOUE) in accordance with Emergency Plan Implementing Procedure EC-02, Emergency Classifications. This procedure requires that a NOUE be declared at the occurrence of an unidentified primary leak rate greater than 5 gpm.

At 0056 hours, the reactor recirculation pump "B" was downshifted to slow speed and was isolated from the reactor vessel. By this time, the drywell floor drain flow rate had increased to greater than 50 gpm.

At 0100 hours, the Shift Supervisor declared an Alert in accordance with procedure EC-02. The procedure requires that an Alert be declared at the occurrence of an unidentified leak rate greater than 50 gpm.

At 0110 hours, the State of Illinois was notified of the NOUE and the subsequent Alert. The Nuclear Regulatory Commission (NRC) Incident Response Center was notified at 0140. The NRC Resident Inspector was also notified.

After the reactor recirculation pump was isolated from the reactor vessel, an operator was sent into the containment to isolate control rod drive seal water flow to the reactor recirculation pump "B". As a result of these actions, the drywell floor drain sump flow rate began to decrease.

At 0140 hours, after the drywell floor drain sump flow had decreased to less than 5 gpm, the Shift Supervisor downgraded the classification to a NOUE. The control room operators commenced a normal plant shutdown. The Shift Supervisor terminated the NOUE at 0325 hours.

The State of Illinois was notified of the downgrade of the Alert at 0155 hours and the termination of the NOUE at 0337 hours. The Nuclear Regulatory Commission (NRC) Incident Response Center was notified of the downgrade of the Alert at 0140 hours and the termination of the NOUE at 0350 hours. The NRC Resident Inspector was also notified.