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ILLINOIS POWER COMPANY



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

DPH-0820-88  
September 13, 1988

Docket No. 50-461

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

Subject: Clinton Power Station  
Response to NRC Bulletin No. 88-07

Dear Sir:

This letter is in response to NRC Bulletin Number 88-07, "Power Oscillations in Boiling Water Reactors." The Attachment provides Illinois Power Company's response.

I hereby affirm that the information in this letter is correct to the best of my knowledge.

Sincerely yours,

A handwritten signature in cursive script, appearing to read 'D. P. Hall'.  
D. P. Hall  
Vice President

DPH/kar

Attachment

cc: Regional Administrator, Region III, USNRC  
NRC Clinton Licensing Project Manager  
NRC Resident Office  
Illinois Department of Nuclear Safety

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Requested Actions

- 1) Within 15 days of receipt of this bulletin, all BWR licensees should ensure that any licensed reactor operator or Shift Technical Advisor performing shift duties has been thoroughly briefed regarding the March 9, 1988 LaSalle Unit 2 event.

Response:

All licensed Reactor Operators (RO) and Shift Technical Advisors (STA) performing shift duties have been briefed on the March 9, 1988 LaSalle Unit 2 event.

Requested Actions

- 2) Within 60 days of receipt of this bulletin all BWR licensees should verify the adequacy of their procedures and operator training programs to ensure that all licensed operators and Shift Technical Advisors are cognizant of:
  - a) those plant conditions which may result in the initiation of uncontrolled power oscillations
  - b) actions which can be taken to avoid plant conditions which may result in the initiation of uncontrolled power oscillations
  - c) how to recognize the onset of uncontrolled power oscillations, and
  - d) actions which can be taken in response to uncontrolled power oscillations, including the need to scram the reactor if oscillations are not promptly terminated.

Addressees should also verify the adequacy of the instrumentation which is relied upon by operators within their procedures.

Response:

The training programs have been reviewed and verified to be adequate. The current cycle of RO Requalification Training includes a lesson on the Loss of Coolant Flow off-normal procedure. This lesson includes a discussion of the LaSalle Event and the procedure modifications Clinton Power Station has performed to avoid such an occurrence. All license holders and STAs are enrolled in the requalification program. Future training programs for licensed operators and STAs will include this topic appropriately.

Attachment

Illinois Power Company verified that the instrumentation will function adequately if the subject power oscillations occur at Clinton Power Station (CPS). Also, the operating procedures have been reviewed in response to this Bulletin. A change to Clinton Power Station (CPS procedure 4008.01 was made based on this review which addressed the action required when both recirculation pumps trip. With this change, the CPS procedures adequately address uncontrolled power oscillations.

As noted in the Bulletin, the implications on the bounds for neutron flux oscillations considered in previous safety analyses, including peak power resulting from asymmetric oscillations and the effects of recirculation pump trip actions for Anticipated Transients Without Scram (ATWS) events, require further study by the NRC and the utilities. When the information from this review is available, it will be evaluated for any required actions.