

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 8312 Technical Specification Involved 3.5.K
Reported Under Technical Specification 6.7.2.b(3) * Date Due NRC 4/22/83

Event Narrative:

~~Units 1 and 3~~ were operating at steady state power levels of 87.5 and 99.8 percent respectively. These units were not affected by this event. Unit 2 was in the process of starting up at 50.4 percent. Technical specification 3.5.K requires the MCPR to be greater than or equal to the values in Figure 3.5.K-1 multiplied by the appropriate K_f shown in Figure 3.5.2. During the startup testing it was discovered the K_f used by the process computer was non-conservative, corresponding to a flowmax of 102.5-percent while the recirculation stop setpoints were set for flowmax of 107 percent. An emergency program modification request was initiated and installed in the process computer correcting the K_f factor to correspond to the actual recirculation stop setpoints. At no time during the event did the MCPR limit using either K_f exceed the OLMCPR. The recirculation stop setpoints had been increased at the end of the previous cycle for increased core flow operation.

(Continued)

* Previous Similar Events:

None

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

LER Supplemental Information (Continued)

Event Narrative:

It was anticipated that technical specifications for increased core flow would be available, although not used until needed for cycle 5. Therefore, the recirculation stop setpoints were not reduced prior to the outage. It is not possible to adjust the recirculation stop setpoints during the outage. The recirculation stops were, therefore, to be reset when full core flow was achieved at the beginning of cycle 5. As it became apparent that technical specifications for increased core flow would not be available at the beginning of cycle 5, the K_f was reduced to the value required for flowmax of 102.5 percent. The recirculation stops could not be reset until near full flow conditions were achieved. Procedural controls did not exist to verify that the value of K_f in the computer agreed with the recirculation stop setpoints.

The Master Refuel Test Instruction has been revised to ensure the Y_f factor corresponds to the recirculation stop setpoints before achieving initial criticality.