

January 9, 1990

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-90-04

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region II staff on this date.

FACILITY: Duke Power Company
McGuire, Unit 1
Docket No. 50-369
Charlotte, North Carolina

Licensee Emergency Classification:
 Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 Not Applicable

SUBJECT: REACTOR TRIP - FOLLOWED BY SHUTDOWN IN EXCESS OF 48-HOURS

At 10:15 (EST) on January 8, 1990, McGuire Unit 1, experienced a reactor trip when both main feedwater pumps (MFP) were lost. The 'A' MFP started slowing down and subsequently tripped on low suction pressure. The licensee believes that the pump slowed down due to a clogged strainer in the control oil system. The 'B' MFP trying to compensate for the loss of the A pump tripped on low suction pressure. Loss of both MFPs resulted in a turbine trip, reactor trip and actuation of auxiliary feedwater. All primary systems responded per design. Secondary equipment problems included the feedwater pumps, a hotwell pump and the main turbine oil pumps. The oil pumps started on the turbine trip, however, they appeared air bound and adequate oil pressure was not provided. Manual operator actions were taken to restore oil pressure. This included stopping the pumps and restarting them. When the pumps were returned to service oil leaks were noted with the largest being at the #10 bearing. The turbine slowed down quicker than expected and it is believed by the licensee that some bearing damage occurred.

Following the trip the reactor was placed in Hot Shutdown and is going to Cold Shutdown. The licensee is investigating the event and evaluating the damage to the turbine. Estimated time to restart is approximately 2 weeks. Unit 2 is operating at 100% power.

The licensee has not issued a press release. State and local authorities were not notified.

The Resident Inspectors were on site at the time of the event and are continuing to followup the licensees actions.

This PN is based on information current as of 9:00 a.m., (EST) on January 9, 1990.

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