

August 22, 1984

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-84-54

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 Units 1 and 2
Docket Nos. 50-369 and 50-370
Cornelius, North Carolina

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

SUBJECT: LOSS OF OFF-SITE POWER

The McGuire Unit 1 reactor tripped from 100 percent power at 9:48 p.m. (EDT) yesterday after the loss of off-site power caused by the inadvertent opening of off-site, computer-operated breakers, which resulted in the loss of load to the main generator. The unit diesel generators started and loaded in sequence as designed.

Before and during the Unit 1 reactor trip, McGuire Unit 2 was preparing for restart (PNO-II-84-52 and PNO-II-84-52A, August 20 and 21) and was receiving steam to its main feedwater pump turbines from Unit 1. After the Unit 1 reactor tripped, operators manually isolated the main steam isolation valves (MSIV) to prevent overcooling--resulting in a water hammer in the Unit 1 secondary system. Unit 2 received a reactor trip signal from a low-low steam generator level indication after the Unit 1 MSIV isolation interrupted the steam supply to the Unit 2 main feed pump turbines.

An unusual event, declared at 10 p.m. because of the loss of off-site power, was lifted at 2:45 a.m. today after the Unit 1 primary and secondary systems were stabilized and the MSIV's were reopened.

Thus far, Duke Power Company personnel and Region II inspectors have found that water hammer damaged Unit 1 instrumentation associated with the condensate booster and main feedwater pumps. Further damage is being assessed. Unit 2 was not affected by water hammer.

Region II inspectors went to the site during this incident and are following up on the licensee's activities. Duke plans to restart Unit 2 later today. Restart of Unit 1 will depend on the outcome of Duke's and Region II's follow-up assessments.

Localized media interest has occurred. Duke is responding to inquiries. Region II does not plan a news release.

The State of North Carolina has been informed.

Duke informed the NRC headquarters incident response center of this occurrence by telephone at 11:02 p.m. yesterday. This information is current as of 2 p.m. today.

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