

February 12, 1991

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-91-02

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 PLANT SHUTDOWN DUE TO LOSS OF OFFSITE POWER

At 2:13 p.m. (EST) on February 11, 1991, McGuire Unit 1 lost offsite power due to possible improper post modification testing and a defective component in the switchyard. The unit was operating at 100% power. The voltage transient generated a high nuclear instrument flux rate trip which caused a Rx trip. The loss of offsite power caused all Rx coolant pumps to trip. All control rods inserted completely. Cooldown on the secondary side resulted in all MSIVs shutting and a safety injection due to low steam line pressure. Pressurizer power operated relief valves lifted and discharged to the pressurizer relief tank. The pressurizer relief tank rupture disk did not rupture. The AFW system activated. Both EDGs auto started and supplied power to the 4160VAC vital buses. The unit remained in natural circulation until a Rx coolant pump was restarted at 4:00 p.m. (EST).

The licensee declared a Unusual Event at 2:13 p.m. and terminated the Unusual Event at 4:43 p.m.

The unit is in hot shutdown Mode 3.

A detailed review of this incident will be conducted prior to plant startup. Restart schedule has not been established.

The licensee has issued a press release. State and local authorities were 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 February 12, 1991.

CONTACT: G. A. Belisle - 841-4196

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5520: 2/12/90 @ _____ TO REGIONS AND HQ

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