

Advance Copy

PDR: per J. Rathje

March 8, 1989

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-89-19A

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, NC

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

SUBJECT: REACTOR TRIP AND PRIMARY TO SECONDARY LEAK

The following is an update to PNO-II-89-19 regarding the McGuire Unit 1 reactor trip and primary to secondary leak. PNO-II-89-19 stated that the leak was 100-150 gpm. The licensee's calculations now show that the initial leak may have been as high as 540 gpm prior to the manual reactor trip, and then decreased to 100-150 gpm.

At 8:20 a.m. (EST) on March 8, 1989, auxiliary feedwater was initiated to the affected steam generator, backfeeding the primary system through the break. The licensee is depressurizing and cooling down the plant, maintaining secondary pressure slightly above primary pressure. All safety systems are functioning normally.

The licensee dispatched an offsite radiological monitoring team at 6:48 a.m. (EST) on March 8, 1989, and no radioactivity was detected above background.

The licensee will maintain the Alert condition until the decay heat removal system is placed in service (at approximately 350° and 385 psi). The Region II Incident Response Center will remain activated until the Alert condition is terminated.

An Augmented Inspection Team was dispatched from Region II on March 8, 1989, to investigate the event. The Resident Inspectors are onsite.

The State of North Carolina and five county emergency facilities are fully activated.

The NRC and licensee have issued press releases and there has been local news media interest.

This PN is based on information current as of 11:00 a.m. on March 8, 1989.

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