

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-III-90-02 Date January 8, 1990 DCD

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 III staff on this date.

Facility: Cleveland Electric
Illuminating Co.
Perry Unit 1
Perry, OH 44081

Docket No. 50-440

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

EA

Subject: LOSS OF MAIN FEEDWATER PUMPS

At 11:35 a.m. (EST), January 7, 1990, while operating at 100 percent power, the Unit automatically shut down as a result of a low water level in the reactor vessel.

The licensee determined that the two main steam-driven feedwater pump turbines had been lost because of a personnel error while performing 480 volt non-safety bus switching operations. The 480 volt bus F1C was to be cross-tied to 480 volt bus F1D. However, personnel performing the operation removed the wrong control power fuses, which resulted in a complete deenergization of 480 volt bus F1C. Bus F1C feeds control power to both turbine feedwater pump controllers. Upon its loss, both feedwater turbine flow outputs went to a minimum.

When the vessel's water level reached 177.8 inches, the reactor tripped (normal operating level is 191 to 200 inches). The water level decreased to 130 inches before the high pressure core spray system automatically switched on to end the event.

A third "motor-driven feedwater pump" was available and started, but it was not capable of stopping the water level decrease by itself.

The licensee declared an "unusual event" at 11:43 a.m. because of the initiation of the high pressure core spray system, and terminated it at 12:35 p.m., with the plant stable and the reactor level control maintained by the motor-driven feedwater pump.

The licensee will bring the Unit to cold shutdown and commence a two-week maintenance outage.

The Senior Resident Inspector was in the control room 45 minutes after the reactor trip. Region III (Chicago) will monitor the licensee's course of action and review the licensee's root-cause investigation.

The State of Ohio will be notified. The information in this preliminary notification will be discussed with the licensee. This information is current as of 12:30 p.m. (CST), January 8, 1990.

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