

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.

CCO  
IE  
N/A

Facility: Quad Cities 2 Licensee Emergency Classification  
 Cordova, IL General Emergency \_\_\_\_\_ Site Area Emergency \_\_\_\_\_  
 Docket No. 50-265 Alert \_\_\_\_\_ Unusual Event \_\_\_\_\_ N/A X

Subject: LOSS OF OFFSITE POWER DURING REFUELING OUTAGE

At 12:37 a.m. on April 2, 1992, the Unit 2 reserve auxiliary transformer tripped when its fire protection deluge system actuated. The transformer was supplying offsite power to Unit 2, which has been shutdown for 93 days for refueling and maintenance. The shared 1/2 emergency diesel generator started automatically and supplied power to the affected safety related electrical buses. The automatic starting function for the Unit 2 emergency diesel generator was out of service, but the diesel generator was available and could have been manually started had it been needed. In responding to the transformer trip, all Unit 2 safety systems functioned as designed. Offsite power to Unit 2 was partially restored at 1:12 a.m., using a cross tie to a Unit 1 electrical bus.

At the time of the event, refueling had been completed and the vessel head replaced. With the loss of offsite power, the operating loop of the residual heat removal (RHR) system tripped. The RHR system was restarted at 2:56 a.m. Since the reactor has been shut down for 93 days, the reactor cooling water temperature increase was minimal (about 7 degrees F.) while the RHR system was off.

The licensee is investigating the cause of the actuation of the deluge system. At the time of the event, a valve in the system was being closed for maintenance. The licensee had previously evaluated the planned repair procedure and determined it would not affect the operation of the transformer. Repairs to the transformer are expected to take two to six days.

The State of Illinois will be informed. The information in this preliminary notification has been reviewed with licensee management.

The licensee notified the NRC Operations Center of this event at 2:58 a.m. on April 2, 1992. This information is current as of 10 a.m. on April 2, 1992.

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