

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 staff on this date.

Facility: Commonwealth Edison Co.
Quad Cities Nuclear Power Station
Docket Nos. 50-264
50-265
Cordova, IL 61242

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

Subject: REACTOR SCRAM AND LOSS OF OFFSITE POWER

On June 22, 1982, at 4:45 a.m., the licensee transferred all Unit 2 busses from the Reserve Auxiliary Transformer TR-22 to Auxiliary Transformer TR-21 in preparation for maintenance on Transformer TR-22. At 5:26 a.m., while removing the 4KV fuses for TR-22, Unit 2 "B" pump tripped, resulting in a low reactor water level scram and a simultaneous loss of offsite power. The unit was at 100 percent power and normal water level when the scram occurred. The incident was classified by the licensee as an "unusual event."

With the sudden loss of offsite power, Unit 2 diesel generator, and Unit 1/2 diesel generator automatically locked onto busses 23-1 and 24-1. The unit operator maintained the reactor pressure by manual operation of the electromatic relief valves. At 5:50 a.m., while attempting to load a RHR pump on the 1/2 diesel generator bus, the 1/2 diesel generator tripped, and the essential service bus was lost. This caused a drywell cooler trip, a Group II isolation, and High Pressure Coolant Injection (HPCI) automatic initiation. HPCI controlled the reactor's pressure and water level as designed. Because of the loss of the essential service bus, some normal and emergency power to control room instrumentation also was lost. Operators were dispatched to monitor control key parameters at local panels until the essential service bus was restored. The auxiliary transformer was returned to service at 6 a.m. and the essential service bus at 6:25 a.m. The unusual event for Unit 2 was terminated at 6:45 a.m.

At 5:50 a.m., when Unit 1/2 diesel generator tripped from overcurrent, Unit 1 was in an unusual event because the Unit 1 diesel generator was previously out of service for maintenance. The unusual event for Unit 1 was terminated at 8:15 a.m. when the 1/2 diesel generator was made operable.

No other ECCS equipment was challenged during the event. No release of radioactivity occurred. The reactor remained in a stable condition throughout the event. The NRC senior resident and resident inspectors were onsite throughout and are following developments. NRC Headquarters and the Region III (Chicago) Duty Officer were in contact with the licensee and resident inspectors throughout the event.

Prior to Unit 2 restart, the cause of the initial loss of TR-21 will be determined and corrected. The cause for the trip and failure of diesel generator 1/2 also will be determined and corrected.

There has been no known media interest. Neither the licensee nor Region III plans a news release at this time. Region III will respond to inquiries. The State of Illinois will be notified. This information is current as of 3 p.m. (CDT) June 22, 1982.

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