

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 IE staff on this date.

Facility: Commonwealth Edison Company
Dresden Unit 2 (Docket No. 50-237)
Morris, IL

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

Subject: SHUTDOWN REQUIRED DUE TO INOPERABLE ECCS COMPONENTS (UPDATE)

The Unit 2 reactor was brought from full power to a cold shutdown condition on December 24, 1981, after a failure of both Technical Specification required high pressure ECCS systems: High Pressure Coolant Injection (HPCI) and Automatic Depressurization (ADS). The event was categorized as an Unusual Event in accordance with the licensee's emergency plan until reactor pressure was returned to less than 90 psig, which is the Technical Specification limit below which HPCI and ADS operability are not required.

The HPCI system was declared inoperable on December 23, 1981, following initiation of the HPCI room fire protection water deluge system. The deluge system was activated by smoke from welding operations near a HPCI room smoke detector. The water spray caused water intrusion into the HPCI turbine oil system, and several grounds in the DC power system (which did not affect HPCI operability). The oil was changed and the DC grounds were corrected.

The ADS system was declared inoperable when it failed the Technical Specification required surveillance test for HPCI system inoperable. The failure consisted of a failure of the 2B electromatic relief valve to open as a result of an improperly suspended wire in the valve actuator junction box mechanically preventing the operation of valve solenoid logic contacts. The licensee properly supported the wire to prevent recurrence.

The senior resident inspector has been following up on this event. The matter is considered closed at this time.

Neither the licensee nor Region III (Chicago) are planning a press release.

The State of Illinois will be notified upon issuance of this Preliminary Notification.

This information was supplied by the senior resident inspector and is current as of 10:30 a.m. (CST) December 28, 1981.

Contact:

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