

DMB

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.
Byron Nuclear Station Unit 1
Byron, IL 61010

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

Docket No: 50-454

Subject: MSIV FAILS TO CLOSE ON ESF ACTUATION

At 10:09 p.m. (CST), March 14, 1985, the licensee declared an "unusual event" per its Emergency Classification System after two Main Steam Isolation Valves (MSIV) appeared to have failed to close on an Engineered Safety Function (ESF) actuation. Upon closer examination, it was determined that the 1D MSIV had closed, but that the 1A MSIV remained partially open. It was closed by licensee personnel 29 minutes later. The Unusual Event was terminated at 10:46 p.m. (CST), March 14, 1985.

The unit had just successfully completed its Loss-of-Offsite-Power Test with the reactor shut down and offsite power restored when the incident occurred. While recovering from the test, the ESF signal was initiated due to low steam line pressure. The MSIVs were required to shut on this signal. In addition, the 1B Residual Heat Removal (RHR) pump failed to automatically start, and was manually started.

The licensee has declared the two MSIVs and the RHR pump inoperable, and is taking the unit to cold shutdown while the failures are being evaluated. Region III (Chicago) is monitoring the licensee's corrective action.

The State of Illinois will be notified.

A Region III Resident Inspector and two region-based inspectors were present during the loss-of-offsite-power test and subsequent "unusual event." This information is current as of 11:45 a.m. (CST), March 15, 1985.

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