

DCD P&B

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-III-94-21

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.

<u>Facility</u>	<u>Licensee Emergency Classification</u>
Commonwealth Edison Co.	General Emergency
Braidwood 2	Site Area Emergency
Braceville, Illinois	Alert
Docket No. 50-457	Unusual Event
	X Not Applicable

RJR

Subject: STUCK CONTROL ROD

At 3:39 p.m. on April 5, 1994, the Unit 2 reactor tripped in response to a main turbine generator trip caused by a fault in a main transformer. One of the 54 control rods failed to insert into the reactor core during the reactor trip. The shutdown was not affected, since the reactor is designed to safely shut down under accident conditions with one control rod out of the reactor core.

The control rod had been fully withdrawn (position 231) prior to the reactor trip and during the trip it partially inserted about 10 percent of its full travel, stopping at position 210. When a reactor trip signal is received, the control rods, which are positioned above the reactor core, drop into the core. They can also be moved mechanically in and out of the core, one position or a series of positions at a time.

On April 6, the licensee performed a test on the control rod, attempting to move it five positions into the core. The rod would not insert. The licensee then successfully withdrew the rod five positions. A reactor trip signal was then initiated, and the rod dropped back to position 210.

The licensee is currently developing plans to respond to the stuck control rod. Representatives from Westinghouse, the reactor vendor, will be on site to assist in the evaluation. The reactor had been operated continuously since October 1993. During a reactor trip at that time, the control rod in question inserted fully.

Regional and headquarters personnel will continue to closely monitor the licensee's plans and actions in response to the stuck rod.

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

The licensee notified the NRC Operations Center of this event at 5:39 p.m. (CDT) on April 5, 1994. This information is current as of 3:00 p.m. on April 6, 1994

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