PRELIMINARY NOTIFICATION - REGION III

October 16, 2009

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-III-09-011

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.

Facility	**Licensee Emergency Classification**
Clinton Power Station	___ Notification of Unusual Event
Exelon Generation Company	___ Alert
Clinton, IL 61727-9313	___ Site Area Emergency
Docket: 50-461	___ General Emergency
License: NPF-62	_x_ Not Applicable

SUBJECT: CLINTON POWER STATION UNPLANNED SHUTDOWN GREATER THAN 72 HOURS

DESCRIPTION:

At 0537 (CDT) on October 15, 2009, Clinton Power Station experienced a trip of the 'B' reactor recirculation pump. Due to the pump trip, reactor water level rose above 48 inches, at which point licensed operators manually scrammed the reactor in accordance with their operating procedures. All safety-related systems functioned as required. Due to the manual shutdown, reactor water level did not reach the high level automatic scram set point of 52 inches.

Immediately following the shutdown, the licensee discovered that two ground fault relays actuated, causing both breakers supplying power for high speed operation to the 'B' reactor recirculation pump to open. The licensee has subsequently tested the 'B' reactor recirculation pump motor and power cabling, verifying that a hard ground exists on the motor. The licensee plans to replace the motor before restarting the reactor.

The State of Illinois has been notified.

The information presented herein has been discussed with the licensee and is current as of 11:30 a.m. (CDT) on October 16, 2009.

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