

June 4, 2007

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-IV-07-005A

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 IV, Arlington, Texas, staff on this date.

Facility

River Bend Station
Entergy Operations, Inc.
St. Francisville, Louisiana
Docket No: 50-458
License No: NPF-47

Licensee Emergency Classification

Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 Not Applicable

SUBJECT: UPDATE TO REACTOR SHUTDOWN DUE TO UNEXPECTED CHANGE IN
RECIRCULATION FLOW

DESCRIPTION:

This preliminary notification supplements information in PNO-IV-07-005, which documented the shutdown of the River Bend Station on May 22, 2007, due to an unexpected change in recirculation flow in the reactor recirculation loop 'A'. The reactor was shutdown to facilitate licensee investigation for the cause of the flow change.

On June 2, 2007, the licensee confirmed that the flow anomaly was caused by a stem to disk separation of the reactor recirculation loop 'A' discharge isolation gate valve. The licensee replaced the valve internals. However, one piece of the valve's wedge pin was not located. The licensee is currently evaluating the impact of operating the plant with this part missing. The licensee also inspected reactor recirculation loop 'B' discharge isolation gate valve. The internals of this valve were mechanically sound and no parts were missing. The licensee also replaced the internals of this valve.

The reactor pressure vessel is currently being reassembled in preparation for return to service.

The NRC reviewed the licensee outage plans, risk management activities, and associated contingencies. Additionally, the onsite NRC resident inspectors observed critical activities as they occurred and are monitoring licensee evaluation and restart activities.

This information has been discussed with the licensee and is current as of 10:00 a.m. (CDT) on June 4, 2007.

ADAMS ACCESSION NUMBER: ML071550266

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