

December 31, 1990

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-90-79A

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 II staff on this date.

FACILITY: Entergy Corporation
Grand Gulf 1
Docket No. 50-416
Port Gibson, MS

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

SUBJECT: Grand Gulf Recirculation Pump Shaft Crack (Reference PNO-II-90-79)

On December 18, 1990, following an increase in vibration on the 'B' Recirculation Pump, the reactor was shutdown. The licensee disassembled the 'B' pump and discovered that the shaft had a 150 degree circumferential thru-wall crack. The licensee is investigating the cause of the shaft crack. The 'A' recirculation pump shaft was disassembled and inspected, no cracks were detected. The licensee is working closely with Perry (BWR 6 with similar Recirculation Pumps) to identify any differences in the mode of operations of these pumps. Perry does not use a seal purge and their ATWS trip setpoint logic is different. Entergy is evaluating these differences. The licensee replaced both pump shafts. The plant restarted December 30, 1990, and tied onto the grid December 31, 1990.

The Licensee does not plan to make a press release.

This information is current as of 11:00 a.m. on December 31, 1990.

CONTACT: Floyd Cantrell - 841-5534

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5520: 12/31/90 @ 1:20 P.M. TO REGIONS AND HQ

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