

December 20, 1990

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-11-90-79

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: REACTOR SHUTDOWN IN EXCESS 40 HOURS

On December 18, 1990, following an increase in vibration on the B Recirculation Pump to about 20 mils, a controlled reactor shutdown was initiated. A low reactor water level scram occurred at about 17 percent power while changing feedwater flow to the startup level controller (not related to pump problem). The plant was taken to cold shutdown to investigate the cause of the vibration.

Testing of the motor with the pump uncoupled has not identified the cause of the vibrations. Current plans are to complete alignment checks and additional testing of the motor bars for cracks before disassembling the pump.

If disassembly of the pump is required, an estimated additional 10 days would be required to replace the pump intervals (a shaft failure occurred on this pump in 1989; however, the characteristic of these vibrations are different from the vibration measured during the 1989 failure).

The State of Mississippi has been informed.

The Licensee does not plan to make a press release.

The NRC received initial notification of this event from the licensee to the duty officer at 10:50 p.m., on December 18, 1990.

This information is current as of 11:00 a.m., on December 20, 1990.

CONTACT: Floyd Cantrell - 841-5534

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RII Resident 1252

5520: 12/20/90 @ 11:45 a.m. TO REGIONS AND HQ

9012280302 901220
PDR I&E
PNO-11-90-07 7R

IE 34/11