

October 31, 1985

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-85-102

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: Mississippi Power & Light Company
Grand Gulf Unit 1
Docket No. 50-416
Port Gibson, Mississippi

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

SUBJECT: CRACK INDICATIONS ON SURFACE OF RECIRCULATION PIPING

Mississippi Power & Light (MP&L) has detected numerous crack-like indications on the surface of the cross assembly which ties the 24-inch discharge piping of one recirculation pump to the piping's associated jet pump 16-inch ring supply header.

The indications were disclosed by dye penetrant testing after MP&L's contractor, Nutech Engineering Inc., had performed induction heat stress improvement work on selected recirculation piping welds. These indications are circumferentially located within a seven-inch band below the cross-to-cap weld area and within a six-inch band above the cross-to-discharge piping weld area. The base metal is more than two inches thick at these locations.

The indications are about three-quarters of an inch long and a quarter-inch deep, with the exception of one indication in the lower six-inch band which is about three and a half inches long. MP&L believes they are related to the induction heat stress improvement process. Grand Gulf Unit 1 has been shut down for scheduled maintenance since October 13.

Region II is monitoring MP&L and Nutech's continuing evaluation, and is keeping the Offices of Nuclear Reactor Regulation and Inspection and Enforcement advised.

MP&L is prepared to respond to media inquiries.

The State of Mississippi has been informed.

This information is current as of 2:30 p.m. (EST) today.

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