

NARRATIVE REPORT
FOR LER 50-321/1983-027

LICENSEE : GEORGIA POWER COMPANY
FACILITY NAME : EDWIN I. HATCH
DOCKET NUMBER : 50-321

Tech. Specs. section(s) which requires report:

This 30-day report is required by Tech. Specs. section 6.9.1.9.b. due to the event's showing that the unit was not meeting the requirements of the Unit 1 Tech. Specs. section 3.1.B.

Plant conditions at the time of the event(s):

On 3/4/83 plant was in steady state power operation at 1594 MWt (approximately 65% reactor power).

Detailed description of the event(s):

Following rod movements, an OD-1 (whole core LPRM calibration) and a P-1 (periodic core evaluation) were run. CMFLPD (core maximum fraction of limiting power density) was greater than FRTP (fraction of rated core thermal power) by 8.8%.

Consequences of the event(s):

A two hour LCO was initiated. Corrective action was initiated within 15 minutes to reduce CMFLPD below FRTP, but was not completed within the two hour time limit. Rod insertion continued with preparation for being less than 25% of rated power within the next four hours as required by Tech. Specs. 3.1.B. The health and safety of the public were not affected by this event.

Status of redundant or backup subsystems and/or systems:

There are no redundant systems.

Justification for continued operation:

Computer calculations indicated that CMFLPD had been reduced below FRTP within five hours. The power reduction was stopped and the LCO terminated.

If repetitive, number of previous LER:

This is a non-repetitive event.

Impact to other systems and/or Unit:

There were no effects on any other Unit 1 systems or on Unit 2.

Cause(s) of the event(s):

The cause of the CMFLPD problem was a low xenon condition which prevented reaching the desired rod pattern.

Immediate Corrective Action:

Rods were inserted to reduce CMFLPD below F RTP.

Supplemental Corrective Action:

There was no supplemental corrective action.

Scheduled (future) corrective action:

A Tech. Specs. revision has been proposed to extend the two hour time limit now allowed to reduce CMFLPD below F RTP to six hours. The time extension will allow time for more effective corrective action including updating the process computer base distribution by the reactor engineer, redistribution of the local xenon concentrations in the core, and selection of rod maneuvers and/or core flow adjustments that will alleviate the problem.

Action to prevent recurrence (if different from corrective actions):

There is no action to prevent recurrence except the immediate corrective action.