

LER #: 50-366/1981-003
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1981-003

On 2-23-81, at 0645 hours with the mode switch in RUN during initial startup following unit refueling, operations personnel were attempting to pull control rods to target pattern when the reactor engineer observed that CMFLPD was greater than FRTP. Attempts were made to raise overall power with respect to the local area of high peaking by pulling several rod groups. After updating the base distribution and obtaining a computer analysis the CMFLPD/FRTP was still excessive, and rod groups in the region were inserted to suppress the excessive peaks. At this point TIP traces were obtained from the adjacent channels, and a computer analysis was demanded; however, the two-hour time limit required by Tech Specs 3.2.2 had expired. The engineer inserted these rods further and continued to improve the base distribution by TIP traces adjacent to the failed LPRM sensors, and at 1004 hours the APRMs were adjusted to CMFLPD to comply with Tech Specs.

There were no effects upon public health and safety due to this event. This event is repetitive as last reported on LER 50 366/1980 091.

Adjusting the rod pattern to change core parameters is an iterative process involving rod movements, TIP scans, and processing of the data by the computer to calculate the new values. In extreme cases one iteration of the process can take 45 minutes to one hour. Therefore, essentially the engineer has time for two adjustments before the two hour limit has expired. In some cases, as above, the rod pattern changes are insufficient to allow APRM adjustments. These situations generally occur during xenon free startups where less than optimum rod patterns are attained.

All the reactor engineers have been informed of the details of the event with suggestions to preclude further recurrence.