



LER #: 50-321/1982-057  
Licensee: Georgia Power Company  
Facility Name: Edwin I. Hatch  
Docket #: 50-321

Narrative Report  
for LER-50-321/1982-057

On 6-15-82, with Unit 1 in the run mode and operating at 576 MWT, a reactor water chemistry analysis indicated conductivity to be 2.07 umho/cm. Tech. Specs. 3.6.F.2.b requires that the reactor coolant conductivity be maintained at less than 2 umho/cm during reactor operation in excess of 1% of rated steam flow. An LCO was initiated pursuant to Tech. Specs. 3.6.F.2.c, which permits continued operation above 2 umho/cm for a maximum of two weeks per year. The reactor power was then reduced to less than 1% rated steam flow where it was maintained in a startup/hot standby condition while corrective action was taken. The maximum coolant conductivity reading between 6-15-82 and 6-16-82 was approximately 3.25 umho/cm and the time above 2 umho/cm with steam flow in excess of 1% of rated steam flow was 22 hours bringing the total time in excess of Tech. Spec. limits to 54.75 hours during the last year. The plant was forced to reduce power and the turbine-generator was taken off line for a total of 25 hours due to this event. The public health and safety was not affected by this non-repetitive event.

The cause of this event was condenser tube leaks in the "D" waterbox which had caused increased conductivity beginning on 6-11-82 when the search for tube leaks was begun. The rising reactor coolant conductivity could not be controlled between 6-12-82 and 6-16-82 because the radwaste system was full and could not accept any more water, thus preventing the condensate demins from being backwashed. The tube leaks were located and plugged on 6-16-82, the conductivity was reduced to less than 2 umho/cm, the LCO was terminated and the unit was returned to power on 6-17-82.