



LER #: 50-321/1981-079  
Licensee: Georgia Power Company  
Facility Name: Edwin I. Hatch  
Docket #: 50-321

Narrative Report  
for LER 50-321/1981-079

On 6-22-81, during normal operation pump P41-C001C failed to meet acceptance criteria for total dynamic head in accordance with surveillance procedure HNP-1-3182, Plant Service Water Pump Operability. Surveillance was being performed at more frequent intervals on this pump as required by HNP-1-3182 due to decreasing performance. Tech Specs surveillance requirements 4.5.J.2.b were immediately executed and a 30-day LCO declared.

The pump was removed and a rebuilt unit substituted. Inspection of the removed pump revealed that the suction-bowl seal ring had broken loose from the bowl and was fastened around the suction-impeller seal ring. This was caused by the high sand content of the pumped fluid. Normally there is .026 - .030 inches clearance between the seal rings. In addition, excessive wear was found at the pump shaft bearing surfaces. Accelerated deterioration of river water pumps at the site is anticipated due to the erosive nature of the Altamaha river water. This pump had been serviced 3 years earlier, thus exhibiting a normal pump life cycle.

The plant service water pump operability procedure was reperformed with satisfactory results. This is a repetitive event last reported by LER 50-321/1980-026. There were no effects upon public health and safety due to this event. The unit is now in full compliance, and no further action is required.