

LER #: 50-366/1981-088
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1981-088

On 9-9-81, following a Unit 2 Reactor Scram, the HPCI system was manually initiated to restore and maintain vessel water level, then was manually taken off due to HIGH VESSEL water level. The operator attempted to manually restart the HPCI system but the HPCI pump discharge valve (2E41-F006) failed to open. The valve was manually opened and HPCI was manually initiated to restore the vessel water level. Following the scram, HPCI was declared inoperable, and deviation report 2-81-150 was written. This is reportable per Tech Spec section 6.9.1.9.b. RCIC was inoperable during this scram due to maintenance being performed at the time. Per Tech Spec section 3/4.5.1, the reactor was in hot shutdown. There were no effects upon public health and safety due to this event. This is a repetitive occurrence (Ref. LER 50-366/1980-101).

The reason for the valve failure was the D.C. motor winding on the valve failed primarily due to the limited duty cycle of the motor, but a contributing factor is the ambient temperature and humidity of the HPCI room. The motor had a 1 cycle in 5 minute duty cycle. The motor was replaced with one meeting the same specifications and the system was proven operable prior to the unit S/U. A replacement motor has been ordered with an increased duty cycle meeting 3 cycles in 10 minutes and IEB 79-01B qualified which will be installed when the motor is available. Operating personnel have been instructed to limit the use of this valve because of the duty life. The unit is now in full compliance with the requirements and no further reporting is required.