

LER #: 50-366/1982-112, Rev. 4
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1982-112, Rev. 4
Update Report - Previous Report Date

During an NRC audit exit interview held on October 8, 1982, the site was notified of potential problems concerning the completeness of logic system testing. Starting on October 9, 1982, with Hatch Unit 2 at 75% power, and Hatch Unit 1 at 50% power, plant personnel discovered that plant procedures did not adequately test the automatic initiation logic of the following: Standby Gas Treatment System, Unit 2 (Deviation Report Number 2-82-253, Discovery date: 10-9-82, test required per Tech. Specs. 4.6.6.1.d.2), Reactor Core Isolation Cooling System (Deviation Report Number 2-82-255, Discovery date: 10-14-82, testing required per Tech. Specs. 4.3.4.1 and Table 3.3.4.1), High Pressure Coolant Injection System (Deviation Report Number 2-82-257, Discovery date: 10-14-82, testing required per Tech. Specs. 4.5.1.c.1), Automatic Depressurization System (Deviation Report Number 2-82-258, Discovery date: 10-14-82, testing required per Tech. Specs. 4.5.2.a), Standby Gas Treatment System, Unit 1 (Deviation Report Number 1-82-185, Discovery date: 10-14-82, testing required per Unit 1 Tech. Specs. 4.7.B.1.d and Unit 2 Tech. Specs. 3/4.6.6.1), Reactor Core Isolation Cooling System Turbine Vacuum Breakers (Deviation Report Number 2-82-264, Discovery date: 10-18-82, testing required per Tech. Specs. 4.3.4.2 and 4.6.3.2), Residual Heat Removal System (Deviation Report Number 2-82-266, Discovery date: 10-20-82, testing required per Tech. Specs. 4.6.3.2), Mechanical Vacuum Pump and Gland Seal Exhaust System (Deviation Report Number 2-82-272, Discovery date: 10-21-82, testing required per Tech. Specs. 4.3.2.2), Containment Atmospheric Control System (Deviation Report Number 2-82-273, Discovery date: 10-21-82, testing required per Tech. Specs. 4.6.3.2), Core Spray System (Deviation Report Number 2-82-268, Discovery date: 10-21-82, testing required per Tech. Specs. 4.5.3.1.d), Containment Atmospheric Control System (Deviation Report Number 2-82-274, Discovery date: 10-21-82, testing required per Tech. Specs. 4.6.3.2), Reactor Building Isolation Logic System Functional Test (Deviation Report Number 2-82-275, Discovery date: 10-22-82, testing required per Tech. Specs. 4.6.3.2 and Table 3.6.3-1), the Primary Containment Isolation System (Deviation Report Number 2-82-276, Discovery date: 10-22-82, testing required per Tech. Specs. 4.6.3.2), Drywell Isolation Valves (Deviation Report Number 1-82-209, Discovery date: 11-11-82, testing required per Unit 1 Tech. Specs. 3/4.2 and 3/4.7.D), Automatic Depressurization System (Deviation Report Number 1-82-212, Discovery date: 11-18-82, testing required per Unit 1 Tech. Specs. 4.2), Reactor Protection System (Deviation Report Number 1-82-223, Discovery date: 12-13-82, testing required per Tech. Specs. table 4.1-1.), Reactor Core Isolation Cooling System (Deviation Report Number 1-82-224, Discovery date: 12-14-82, testing required per Tech.

Specs. 4.5.E.1.a.) Plant Service Water System (Deviation Report Number 1-82-226, Discovery date: 12-15-82, testing required per Tech. Specs. 4.5.J.1), High Pressure Coolant Injection System (Deviation Report Number 1-82-228, Discovery date: 12-16-82, testing required per Tech. Specs. 4.5.D.1.A), Residual Heat Removal System (Deviation Report Number 1-82-231, Discovery date: 12-16-82, testing required per Tech. Specs. 4.5.B.1.), and Control Building Isolation and Pressurization System (Deviation Report Number 1-83-5, Discovery date: 1-6-83, testing required per Tech. Specs. Table 4.2-8 of Unit 1 and 3/4.7.2 of Unit 2). The health and safety of the public were not affected by this non-repetitive event.

The event resulted from the failure of procedures to adequately test several plant systems. The inadequacies included failure to test a relay and/or the continuity of one or more sets of contacts in each of the logic systems involved. New procedures were written and performed to test the logic excluded in the existing procedures.