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Edwin I. Hatch Nuclear Plant

July 17, 1985
LR-MGR-069-0785

PLANT E. I. HATCH
Special Report
Docket No. 50-321

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

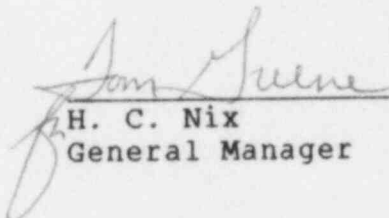
ATTENTION: Dr. J. Nelson Grace

Attached is Special Report No. 50-321/1985-002. This report is required by Hatch Unit 1 Technical Specifications Section 3.7.2. ACTION b.1 and Hatch Unit 2 Technical Specifications Section 3.7.6.1. ACTION b.2.c).

PERSONAL FILE

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SPECIAL REPORT 50-321/1985-002

LICENSEE : GEORGIA POWER COMPANY
FACILITY NAME: EDWIN I. HATCH
DOCKET NUMBER: 50-321/1985-002

On July 6, 1985, at approximately 0500 CDT, Unit 1 was in steady-state operation at approximately 1390 MWt (approximately 57% power) and Unit 2 was in steady-state operation at approximately 2432 MWt (approximately 100% power). At this time, the air supply to the fire suppression water system deluge valves for the "1C" cooling tower was being maintained by a nitrogen bottle due to the air compressor for the "1C" cooling tower being out-of-service for maintenance. The nitrogen pressure decreased low enough to activate the deluge valves. The activated deluge valves caused a low fire water pressure on the fire suppression water system which automatically started the electric fire pump and one diesel fire pump. Before plant personnel could isolate the deluge valves, the volume of both fire suppression water storage tanks was reduced to less than the minimum of 270,000 gallons requirement of Unit 1 Tech. Specs. section 3.13.2.b and Unit 2 Tech. Specs. section 3.7.6.1.b. Plant personnel returned the volume of both tanks to within the Tech. Specs. limit in approximately 45 minutes.

After performing an investigation, plant personnel determined that the nitrogen pressure had decreased due to defective/stripped pipe thread connection in the manifold isolation valve for the air compressor for the "1C" cooling tower (i.e., where the air line connects to the manifold isolation valve).

Plant personnel isolated the defective/stripped pipe thread connection immediately and placed a new nitrogen bottle in service. Plant personnel then placed the activated and isolated deluge valves back into service on July 6, 1985.

Plant personnel replaced the manifold isolation valve for the air compressor, repaired the air compressor, and returned the air compressor to service on July 16, 1985.