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Georgia Power

Edwin Hatch Nuclear Plant
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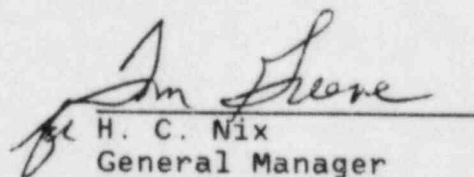
May 29, 1984
GM-84-435

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

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

ATTENTION: Mr. James P. O'Reilly

Attached is Special Report No. 50-321/1984-005. This report is required by Hatch Unit 1 Technical Specifications Section 3.13.2, ACTION b.1 and Hatch Unit 2 Technical Specifications Section 3.7.6.1, ACTION b.2.c.


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SPECIAL REPORT 50-321/1984-005

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

DESCRIPTION OF EVENT:

On May 15, 1984, at approximately 1615 CDT, with Unit 1 in steady-state operation at 2431 MWT (approximately 100% power) and Unit 2 in a recirculation pipe replacement outage, the level in both fire water storage tanks dropped to approximately 240,000 gallons each.

During performance of the "DELUGE/SPRINKLER SYSTEM SURVEILLANCE SAFETY RELATED AREAS" procedure (HNP-3357), the electric fire pump and two diesel fire pumps automatically started. At approximately this time, the fire main header between Unit 1 cooling towers numbers 2 and 3 ruptured. Thus, the 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 was exceeded before the fire main header rupture could be located and isolated.

The cause of the fire main header piping rupture was a 22 degree elbow installed improperly. An investigation revealed that this 22 degree elbow was not installed as design drawing indicated. This ruptured 22 degree elbow is being replaced and installed per design drawing. Also, all other 22 degree elbows in the fire main header piping are being checked to ensure proper installation per design drawing. Any 22 degree elbows found installed incorrectly will be corrected. Also, personnel remained in the fire pump house when pumps were shut down prior to isolating the rupture. The remainder of the Fire Protection system performed as required. The limiting condition for operation was in effect for 2.5 hours when both fire water tank levels exceeded 270,000 gallons.