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Edwin I. Hatch Nuclear Plant


August 1, 1984
GM-84-640

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. 50-321/1984-009. 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 50-321/1984-009

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

On July 20, 1984, at approximately 2000 CDT, with Unit 1 in steady-state operation at 2412 MWT (approximately 99% power) and Unit 2 in a recirculation pipe replacement outage, the level in both fire water storage tanks dropped to less than 270,000 gallons.

During the performance of the "SYSTEM FLUSH-FIRE PROTECTION WATER" procedure HNP-1-3363 the fire protection water storage tanks were drawn down to below the Tech. Spec. limit of 270,000 gallons.

Subsequent investigation has found that the hydrant flush test was being run with the electric fire pump maintaining system pressure. Upon opening a hydrant a transient pressure drop initiated both diesel fire pumps. This pressure drop and resultant pressure spike from the diesel fire pumps caused four (4) cooling tower fire protection deluge sprinkler systems to actuate. The resultant flow of water caused the fire protection water tanks to be drawn down to below Tech. Spec. limits of 270,000 gallons. Thus, the 270,000 gallon 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 system could be isolated.

Both fire protection water storage tanks were returned to within Tech. Spec. limits of greater than 270,000 gallons each in approximately 2 hours.