



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUL 11 1983

MEMORANDUM FOR: Gus C. Lainas, Assistant Director for Operating Reactors, DL
FROM: R. Wayne Houston, Assistant Director for Reactor Safety, DSI
SUBJECT: JUSTIFICATION FOR TECHNICAL SPECIFICATIONS ON THE
TURBINE BYPASS SYSTEM AND THE L8 TRIP AT HATCH-2

In a letter dated May 26, 1983 from J. Beckham to J. Stolz, the Georgia Power Company (GPC) has taken the position that the staff is imposing new requirements on the Hatch-2 plant. The "new" requirements are technical specifications on the turbine bypass system and the high water level (L8) trip system. RSB required these specifications as a condition for approving the licensee's reload submittal dated October 4, 1982. GPC contends that this requirement should be processed through CRGR prior to implementation.

We disagree with the Georgia Power Company. The requirement at issue is General Design Criterion 1 which states: "Structures, systems and components important to safety shall be designed, fabricated, erected and tested to quality standards commensurate with the importance of the safety functions to be performed." The safety functions involved are: The turbine bypass provides pressure relief for certain anticipated operational occurrences. Bypass operation significantly changes the calculated minimum critical power ratio (MCPR) and therefore, the operating limit MCPR. Operation of the L8 trip prevents overfilling of the reactor vessel for certain events. Overfilling of the vessel can result in passage of high pressure liquid through the safety relief valves and discharge lines. The safety relief valves and discharge lines are not qualified for such conditions.

Since the licensee assumed credit for these safety functions in its reload analyses, the licensee must also demonstrate compliance with GDC 1 for the affected systems. The information provided in the reload submittal did not demonstrate this compliance. Technical Specification on the turbine bypass and L8 trip systems were therefore included as a condition for approving the Hatch-2 reload.

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We conclude that the additional technical specifications are both necessary and sufficient to satisfy the existing requirements of GDC 1 if Georgia Power continues to take credit for the turbine bypass and level 8 trip.



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