

ENCLOSURE

SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2
ERCW VALVE POSITIONING
NCR MEB 79-22
FINAL REPORT
10 CFR 50.55 (e)

Description of Deficiency

On a safety injection signal the valves on the discharge side of the component cooling system (CCS) heat exchanger C are automatically energized to the full open position. These valves (FCV-67-151 header A, FCV-69-152 header B) control the flow of essential raw cooling water (ERCW) through the tube side of the heat exchanger. The ERCW System is designed so that the necessary flow is provided through the heat exchanger with only one valve open.

In the event of a concurrent loss of offsite power and a failure of power train A the opening of both valves would cause excess ERCW train B flow through heat exchanger C. This would result in insufficient flow in the rest of ERCW train B.

Safety Implication Statement

The reduction of the required flow through the ERCW train B components other than the CCS heat exchanger C in the event of a loss of offsite power and a failure of power train A would result in inadequate cooling of required safety-related equipment. This lack of cooling would adversely affect the ability of the plant to achieve safe shutdown.

Corrective Action

All automatic opening signals to the ERCW header A valve (FCV-67-151) will be removed before initial criticality of Unit 1.

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