

ENCLOSURE

SEQUOYAH NUCLEAR PLANT UNIT 1  
DELAY OF REACTOR TRIP BECAUSE OF ARCING  
ACROSS UNDERFREQUENCY RELAY CONTACTS

NCR EEB 79-13

10 CFR 50.55(e)

FIRST INTERIM REPORT

Description of Condition

During the preoperational testing of the underfrequency inputs into the solid-state protection system, arcing occurred across the underfrequency relay contacts. The problem involves the underfrequency and auxiliary relays on the reactor coolant pump underfrequency and undervoltage protection panels. This arcing caused the auxiliary relay to chatter and delay the reactor trip and the reactor coolant pump breaker trip signals.

Corrective Action

TVA is still evaluating this condition to determine the cause of the problem and to establish the corrective action.

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