

ENCLOSURE

HARTSVILLE NUCLEAR PLANT - ALL UNITS
WIRING DISCREPANCIES IN HIGH PRESSURE CORE SPRAY METAL-CLAD SWITCHGEAR
10CFR50.55(e) REPORT NO. 1 (INTERIM)
NCR HNP-A-090

On March 25, 1980, TVA informed NRC-OIE Region II, Inspector R. W. Wright, of a reportable deficiency under 10CFR50.55(e) involving wiring discrepancies on the high pressure core spray (HPCS) metal-clad switchgear.

This is the first interim report on this reportable deficiency. TVA will transmit a final report on this deficiency on or before August 29, 1980.

Description of Deficiencies

Wiring checks by Hartsville site personnel disclosed wiring discrepancies in the HPCS metal-clad switchgear. These discrepancies involve wiring terminations which do not match the wiring diagrams, errors on the wiring diagrams, missing wires, mislabeling or nonlabeling of parts or terminations, and examples of discrepancies between bill of materials and installed components.

Also, as discussed with R. W. Wright, the wiring check disclosed six GE SB-12 auxiliary switches with either no date codes or date codes from August 1, 1978, to July 1, 1979. This was previously indicated in TVA NCR 2-1 (final report filed August 16, 1979) as the date code for potentially defective SB-12 auxiliary switches. The potentially defective SB-12 switches were not discovered in the HPCS metal-clad switchgear because this switchgear was initially shipped to Hartsville before August 1, 1978. However, the subject switchgear had been shipped back to GE's Switchboard Division (GE-SBD) in November 1978 to have work done on ML-13 operating mechanisms. Evidently, at that time the potentially defective SB-12 switches were installed in the switchgear by GE-SBD. This will be verified and discussed in the final report.

The metal-clad switchgear was fabricated by GE-SBD, Philadelphia, Pennsylvania, as part of the NSSS package for both Hartsville and Phipps Bend Nuclear Plants.

Initial Corrective Action

TVA has informed GE of their findings regarding this matter and GE is investigating the situation. Phipps Bend personnel has been requested to check HPCS metal-clad switchgear for discrepancies. Their investigation should be completed by May 31, 1980.