

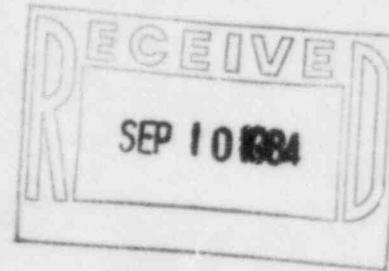


KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

September 5, 1984

Mr. D.R. Hunter, Chief
Reactor Project Branch 2
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



KMLNRC 84-159

Re: Docket No. STN 50-482

Subj: Final 10CFR50.55(e) Report - In-core
Thermocouple Adaptor Cable Connectors

Dear Mr. Hunter:

This letter provides the final report submitted pursuant to 10CFR50.55(e) concerning in-core thermocouple adaptor cable connectors at Wolf Creek Generating Station (WCGS). This matter was initially reported by Mr. H.K. Chernoff of Kansas Gas and Electric Company (KG&E) to Mr. Lawrence Martin of the Nuclear Regulatory Commission, Region IV, on August 6, 1984.

Subsequent to component testing, more than half of the Class 1E thermocouple connectors for the in-core thermocouple adaptor cables were found to have cracked or broken insulation inserts. These connectors were manufactured by CKB Industries, Inc. (Part No. 211140 - male, and Part No. 211141 - female). Although the exact cause cannot be determined, mishandling in the field has been identified as the probable cause of the connector damage observed. As a result of the number of damaged connectors discovered, KG&E has elected to replace all of the in-core thermocouple adaptor cable connectors with new connectors manufactured by CKB Industries, Inc. (Part Numbers 211145 and 211146). These connectors incorporate a key and keyway design feature to minimize the possibility of connector damage as a result of mishandling.

The existing in-core thermocouple adaptor cable connectors will be replaced prior to fuel load. Please contact me or Mr. Otto Maynard of my staff if you have any questions concerning this subject.

8409210011 840905
PDR ADDCK 05000482
S PDR

Yours very truly,

Glenn L. Koester

GLK:bb
xc:RCDeYoung
PO'Connor
HBundy

IE-27