

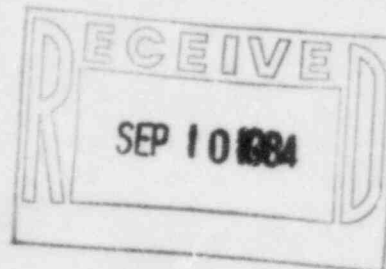


KANSAS GAS AND ELECTRIC COMPANY

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.

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Yours very truly,

*Glenn L. Koester*

GLK:bb  
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