KANSAS GAS AND ELECTRIC COMPANY

GLENN L KOESTER
VICE PRESIDENT - NUCLEAR

December 9, 1982

Mr. W.C. Seidle, Chief
Reactor Projects Branch 2
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

IE-27

KMLNRC 82-257
Re: Docket No. STN 50-482
Subj: Final 10CFR50.55(e)/10CFR21 Report -
GE AKR Breakers

Dear Mr. Seidle:

This letter is the final report submitted pursuant to 10CFR50.55(e) and 10CFR21 concerning a deficiency in General Electric 1E 480 volt AKR 30/50 Breakers. The deficiency was discovered at Wolf Creek Generating Station on November 8, 1982, and subsequently reported by Mr. Gene Rathbun of Kansas Gas and Electric Company (KG&E) to Mr. Bill Johnson of the Nuclear Regulatory Commission (Region IV) on November 9, 1982, by telephone.

The deficiency involves the lever on the closing spring interlock. The lever has a smooth, rounded end which can overtravel the armature linkage pin. The lever can then jam and cause the spring interlock mechanism to bend. Eventually the mechanism may bend sufficiently to cause the breaker to fail. These breakers are used in safety-related equipment and, therefore, failure could adversely affect the safety of operations of the plant. To this date the described deficiency has not resulted in any actual breaker failures at the Wolf Creek Generating Station.

Union Electric has reported AKR breaker problems due to this deficiency at their Callaway Unit 1 plant. KG&E has no information concerning any other facilities that may have received breakers with the same deficiency.

Kansas Gas and Electric Company will replace the deficient closing spring lever in all General Electric 480 volt AKR 30/50 Breakers. The replacement closing spring interlock levers will be furnished by General Electric and will have an "ear" on the end to preclude the closing spring interlock lever from overtraveling the armature linkage pin.

The schedule for completion is dependent upon delivery of the replacement parts from General Electric and working the replacement effort into the ongoing construction activities. In any event, replacement will be completed prior to fuel load. If you require additional information concerning this subject, please contact me or Mr. Otto Maynard of my staff.

Yours very truly,

Glenn L Koester

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cc: TVandel/SSchum