



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER  
VICE PRESIDENT - NUCLEAR

August 6, 1984

Mr. E.H. Johnson, Acting Chief  
Reactor Project Branch 2  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011

KMLNRC 84-129

Re: Docket No. STN 50-482

Ref: 1) Interim Report KMLNRC 84-108 dated 7/5/84 from  
GLKoester, KG&E, to EHJohnson, NRC

2) SLNRC 83-009 dated 2/18/83, Significant Deficiency  
Report 83-02, Re Battery Charger Failure

Subj: Final Report, Potential 10CFR50.55(e) - Power Conversion  
Products Battery Chargers

Dear Mr. Johnson:

This letter provides the final 10CFR50.55(e) report concerning miscellaneous component failures in the safety-related battery chargers. This matter was initially reported by Mr. Otto Maynard of Kansas Gas and Electric Company (KG&E) to Mr. Johns Jaudon of the Nuclear Regulatory Commission, Region IV, on March 9, 1983.

After initial energization of the battery chargers supplied by Power Conversion Products Incorporated (PCP), a number of component failures were identified and documented. With the exception of the deficiency reported in Reference 2), none of the failures, if considered singularly, were significant. However, approximately 25 component failures occurred within a two-year period on the five safety-related chargers and additional failures occurred on the non-safety-related chargers of the same type. Typical component failures included failure of capacitors, alarm cards and amplifier cards. A Startup Field Report (1-NK-30) provides a complete description and history of the failures.

Meetings were held between the Architect Engineer (A/E) and PCP to determine the course of action to take. It was decided to have PCP thoroughly inspect, upgrade and test all battery chargers. These actions have been completed, and the battery chargers are now fully qualified for performing their function. If you have any questions concerning this subject, please contact me or Mr. Otto Maynard of my staff.

Yours very truly,

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