



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

December 7, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

KMLNRC 84-217
Re: Docket No. STN 50-482
Ref: KMLNRC 84-216 dated December 7, 1984
Subj: Reactor Coolant System RTD Testing

Dear Mr. Denton:

The purpose of this letter is to request NRC approval of Kansas Gas and Electric Company's (KG&E) plan for performing testing associated with the Reactor Coolant System (RCS) resistance temperature detectors (RTD).

Reference 1, a report made pursuant to 10CFR50.55(e), identified a problem with the calibration data for RTDs and stated that all RCS RTDs at Wolf Creek are being replaced with new/refurbished units. Because of these calibration problems discovered during plant hot functional testing and the subsequent RTD replacement, portions of two preoperational tests will need to be repeated after fuel load, before initial criticality. KG&E has determined that this testing can be performed after fuel load without jeopardizing the safe operation of the plant, without requiring an exemption to regulations, and without violating Technical Specifications.

Preoperational test SU3-BB01, "Reactor Protection System Logic Test" (FSAR Section 14.2.12.1.73), includes a requirement to obtain RTD response times. The RTD input to the reactor protection system is only required during Operational Modes 1 and 2. These response times will be obtained during the hot, precritical period.

Preoperational test SU3-BB16, "RTD/TC Cross Calibration" (FSAR Section 14.2.12.1.23), completes a functional checkout and comparison of the RTDs and the incore thermocouples. Operability of the required RTDs will be assured prior to fuel load, but the cross calibration with the incore thermocouples must be performed with the RCS hot. This testing is already provided for by SU7-BB06, "RTD/TC Cross Calibration" (FSAR 14.2.12.3.20). Lack of the cross check prior to initial criticality

8412190382 841207
PDR ADOCK 05000482
S PDR

Orig-Reg File IE 27

110

Mr. Harold R. Denton
KMLNRC 84-217

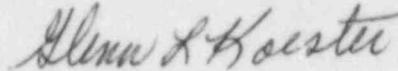
-2-

December 7, 1984

does not present an operational or safety concern.

It is requested that the NRC provide approval of KG&E's plan for the testing associated with RTDs.

Yours very truly,



Glenn L. Koester
Vice President - Nuclear

GLK:bb
xc:RPDenise
PO'Connor (2)
RCDeYoung
HBundy