



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

August 5, 1982

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

KMLNRC 82-229

Re: Docket No. STN 50-482

Ref: (1) Letter KMLNRC 82-182 dated March 26, 1982 from
GLKoester, KG&E, to HRDenton, NRC
(2) Letter KMLNRC 82-192 dated May 3, 1982 from
GLKoester, KG&E, to HRDenton, NRC

Subj: Additional Information

Dear Mr. Denton:

Kansas Gas and Electric Company representatives met with the NRC on March 19, 1982. Discussions were held concerning the effects of a higher free field response spectra prepared for the NRC (NUREG-0881, Appendix E) on those Wolf Creek site specific, Category I structures and components which were designed to a Regulatory Guide 1.60 response spectrum anchored at .12g.

Reference (1) transmitted an analysis of the effects of the higher spectrum on the ultimate heat sink dam and slopes. Reference (2) transmitted a similar analysis for the essential service water system (ESWS) pumphouse, manholes, valvehouse, discharge structure and pipe incasements.

Transmitted herewith is the evaluation of the effects of the higher spectrum on the essential service water piping systems and supports. These analyses have shown that the existing design for the site specific Category I portions of the Wolf Creek Plant have sufficient design conservatism to accommodate a 0.15g SSE event with minimal, if any, redesign. Accordingly, and in the interest of resolving the seismic issues in the Wolf Creek SER, KG&E commits to adopting a Regulatory Guide 1.60 spectrum anchored at 0.15g (zero period acceleration) as the SSE design spectrum for the site specific, Category I structures and components at the Wolf Creek Generating Station. This spectrum closely bounds the site specific

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Mr. Harold R. Denton
KMLNRC 82-229

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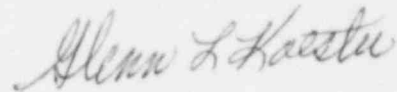
August 5, 1982

response spectrum given in NUREG-0881, Appendix E which was proposed by Lawrence Livermore National Laboratory.

The only analysis of the Wolf Creek design not yet provided to the NRC for the higher SSE loading is the effect on qualification of equipment to withstand the higher loads. KG&E's commitment above, of course, includes such qualification to the 0.15g SSE level. Documentation of the seismic qualification of the ESWS equipment will be available for review with other equipment qualification information when the NRC conducts the SQRT audit of Wolf Creek.

This information will be formally incorporated into the Wolf Creek Generating Station, Unit No. 1, Final Safety Analysis Report in Revision 10. This information is hereby incorporated into the Wolf Creek Generating Station, Unit No. 1, Operating License Application.

Yours very truly,



GLK:bb
Attach

cc: Mr. J.B. Hopkins (2)
Division of Project Management
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Thomas Vandell
Resident NRC Inspector
Box 311
Burlington, Kansas 66839

OATH OF AFFIRMATION

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

I, Glenn L. Koester, of lawful age, being duly sworn upon oath, do depose, state and affirm that I am Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, that I have signed the foregoing letter of transmittal, know the contents thereof, and that all statements contained therein are true.

KANSAS GAS AND ELECTRIC COMPANY

ATTEST:

W. B. Walker
W.B. Walker, Secretary

By Glenn L. Koester
Glenn L. Koester
Vice President - Nuclear

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

BE IT REMEMBERED that on this 5th day of August, 1982, before me, Evelyn L. Fry, a Notary, personally appeared Glenn L. Koester, Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, who is personally known to me and who executed the foregoing instrument, and he duly acknowledged the execution of the same for and on behalf of and as the act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the date and year above written.



Evelyn L. Fry
Evelyn L. Fry, Notary

My Commission expires on August 15, 1984.