KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

September 16, 1983

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

KMLNRC 83-118
Re: Docket No. STN 50-482
Ref: Letter KMLNRC 83-115 dated 8/31/83 from GLKoester, KG&E, to HRDenton, NRC
Subj: Offsite Dose Calculation Manual (ODCM)

Dear Mr. Denton:

The Referenced letter transmitted the Wolf Creek Generating Station Offsite Dose Calculation Manual (ODCM). Not included in that transmittal was Appendix B (Accident Doses) to the ODCM.

Transmitted herewith are five copies of Appendix B to the ODCM. Appendix B to the ODCM is submitted in accordance with Technical Specification 6.14.1 for NRC review and approval.

Yours very truly,

Glenn L Koester

GLK:bb
Attach

cc: JHolonich (2)
WSchum/ASmith

A009
1/1

8309200090 830916
PDR ADOCK 05000482
A PDR

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:

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

E.D. Prothro, Assistant Secretary

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

BE IT REMEMBERED that on this 16th day of September, 1983, 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 NOTARY PUBLIC STATE OF KANSAS

Evelyn L. Fry
Evelyn L. Fry, Notary

My Commission expires on August 15, 1984.

Appendix B

Accident Doses

APPENDIX B

B.0 ACCIDENTAL RELEASES

In the event of an accidental release of radioactive liquids or gases from the plant, the normal effluent restrictions set out in 10 CFR Parts 20 and 50 may or may not be violated. Proper emergency response planning (as described in NUREG-0654) requires rapid estimates of uncontrolled releases. Radiological Emergency Plan Implementing Procedure (EPIP) ADM 12-11.0, "Dose Projections," will be the guiding procedure in the event of an accidental release.

B.1 ACCIDENT DOSES - LIQUID RELEASES

In the event of an accidental liquid release, the released quantity of activity will be estimated based upon operational records. The projected accident dose will then be calculated in the same manner as normal effluent doses (Section 2.3).

If the calculated release concentrations at the circulating water discharge are above Part 50 and Part 20 limits, a sample will be taken from the lake once every 8 hours and an isotopic analysis performed once every 24 hours until lake concentrations are below Part 50 and 20 limits.

If activity measured in the lake is above Part 50 and Part 20 limits then the Radiological Emergency Plan Implementing Procedure (EPIP) ADM 12-11.3 "Dose Projections" will be used to control emergency action.

B.2 ACCIDENT DOSES - GASEOUS RELEASES

The Radioactive Release Information System (RRIS) is specifically designed to provide this information. The system makes use of on-line effluent monitors and meteorological monitors, as well as sampling and computer modelling to estimate and predict doses to the surrounding population. If the RRIS is unavailable at the time of an accident, Radiological Emergency Plan Implementing Procedure ADM 12-11.2, "Dose Projections" will be used to control emergency action.