# The University of Kansas

School of Engineering

January 10, 1990

U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Re: Docket No. 50-148

In accordance with Facility License R-78, the following annual report is submitted for the period January 1, 1989 to December 31, 1989.

a. There has been no major preventitive or corrective maintenance to the facility.

b. There have been no major changes in facility procedures.

c. A summary of environmental surveys performed outside the facility is attached.

d. No significant exposures (above 500 mRem) have been received by facility personnel or by visitors. The maximum exposure of any individual has been less than 50 mRem.

e. There have been no reportable occurrences.

f. The missing document for which we were cited in the Region IV inspection report of March 10, 1989 has been discovered in our files. Had we discovered it at the time of the inspection, we could have avoided the citation.

Respectfully submitted,

Harold F. Rosson

Harold F. Rosson
Reactor Director

Encl: Summary of Environmental Surveys

Copies: U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive
Arlington, TX 76911

Nuclear Reactor Committee
Dean Carl E. Locke
EVC Judith Ramaley



Office of the Dean • 4010 Learned Hall • Lawrence, Kansas 66045-2210 • (913) 864-3881

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# The University of Kansas

Radiation Safety Service

Environmental Health
and Safety Service

Advisory Committee on
Human Experimentation

January 5, 1990

Harold F. Rosson
Reactor Director

Dear Dr. Rosson,

The following summary of air samples taken outside Burt Hall is for the period January 23, 1989 to December 14, 1989. The following results were determined from 12 samples of air taken outside on the west side of the building. All values were below the MPC's for uncontrolled areas. The minimum detectable activity is expressed as MDA.

alpha activity

10 samples < MDA

average MDA 0.48 $\pm$ 1.3x10$^{-14}$ uCi/ml

0 samples > MDA

beta activity

10 samples < MDA

average MDA 0.12 $\pm$ 1.5x10$^{-13}$ uCi/ml

0 samples > MDA

gamma activity

11 samples < MDA

average MDA 0.23 $\pm$ 1.2x10$^{-12}$ uCi/ml

0 samples > MDA

Sincerely,

(Summary prepared by Judith deChamplain)

Michael Lemon

Michael Lemon
Judith deChamplain
Radiation Safety Service

Research Health & Safety
217 Burt Hall • Lawrence, Kansas 66045-2905 • (913) 864-4089