

FAX TRANSMITTAL

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To <i>RL Baugart</i>	From <i>C. H. Ackney</i>
Dept./Agency	Phone #
Fax #	Fax #

NSN 7540-01-317-7500 5090-101 GENERAL SERVICES ADMINISTRATION

KU Medical Center

RECEIVED

FEB - 5 1997

RADIATION CONTROL PROGRAM

Vic Cooper
Bureau of Air and Radiation
Department of Health and Environment
Topeka, Kansas 66620

RE: Overexposure Reading on Research Employee TLD Badge for 4th Quarter 1996

Dear Mr. Cooper:

This letter is a follow-up to a telephone conversation I had with you last week during which I reported a reading on a research employee's TLD badge of 30.01 rem for the DDE and 66.17 rem for the LDE and the SDE. As I stated in the telephone conversation, I did not believe that this was an occupational dose. Further investigation has resulted in the following findings:

- Individual works in a research lab which is authorized for ^{32}P , ^{35}S , and ^3H .
- The maximum activity at any one time of ^{32}P is 500 uCi, with individual vials containing no more than 250 uCi/20 ul.
- The activity used at any one time is 125 uCi or less.
- The individual was not in the laboratory during October and December
- Since the individual is pregnant she had not been working with the stock product but had worked occasionally with the end product of the experiment.
- Her husband had inadvertently used her badge while cleaning up a contaminated centrifuge
- The quarterly DDEs for other laboratory personnel were minimal.

A report from Landauer, the supplier of the TLD badge, has been requested regarding the processing of this TLD badge. Verbal reports indicate that they had no problems during processing.

The investigation is continuing. This individual has left the employment of KU Medical Center 31 January was her last day.

A follow-up report will be submitted. If you have any questions or recommendations, please let me know.

Sincerely,

Ruth Schukman-Dakotas
Ruth Schukman-Dakotas, Director

c. Radiation Safety Committee
Dr. Sarra

3901 Rainbow Blvd., Kansas City, Kansas 66160-7183 • (913) 588-6126

University of Kansas Medical Center
Overexposed TLD Badge

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Demographics for the employee who was assigned this badge:

Name: Fei Kaiyin
SSN: 495-06-7693
Birthdate: 9/11/67

Event Reporting Handbook

EVENT REPORT COVER PAGE

AGREEMENT STATE

EVENT REPORT NO. - - -

DATE: February 5, 1997

TO:

**Deputy Director
Office of State Programs**

SUBJECT: OVEREXPOSURE READING ON EMPLOYER TLD
BADGE AT KANSAS U. MEDICAL CTR.

STATE: KANSAS

Signature and Title: Vick Cooper

KANSAS Dept. of Health and
Environment

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