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December 27, 1995

Gerald Brouder, Provost  
The Curators of the University  
of Missouri  
University of Missouri - Columbia  
Columbia, MO 65211

SUBJECT: CONFIRMATORY ACTION LETTER FOLLOWUP INSPECTION

Dear Dr. Brouder:

This refers to the special safety inspection conducted by Mark Mitchell of this office on November 1-3, 1995, with continuing review through November 27, 1995, of activities authorized by NRC License Nos. R-103 and 24-00513-36E, and to the discussion of our findings with Dr. John McCormick and other members of your staff at the conclusion of the inspection.

The enclosed copy of our inspection report identifies areas examined during the inspection. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel.

One area of concern was identified regarding the handling of irradiated topaz. Specifically, irradiated topaz releasable for international shipment under 10 CFR Part 110, was given to a customer of the University for sorting, storage and/or preparation for shipment. Prior to the implementation of the actions listed in the University's amended letter of September 21, 1995, to NRC, the customer performed these functions independent of the University in a room that was leased from the Missouri University Research Reactor. This being the case, it appeared that the University was transferring irradiated topaz to an unauthorized individual (the customer). An October 6, 1995, Confirmatory Action Letter formalized our understanding of the actions you committed to take to ensure the irradiated topaz was properly controlled. These actions were reviewed during this inspection and it was determined that their implementation did not alleviate our concern that the byproduct material was being inappropriately transferred to the customer. A written response to this concern was received in a letter dated November 17, 1995. Acceptable interim measures were listed in the letter and were implemented to ensure the University had appropriate control of the irradiated topaz. In addition, acceptable long term control measures were proposed for future implementation. Therefore, no further reply to this concern is required.

No violations of NRC requirements were identified during the course of this inspection.

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G. Brouder

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In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, the enclosed report and its attachments will be placed in the NRC Public Document Room.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

Original Signed By  
James L. Caldwell for

Cynthia Pederson, Director  
Division of Nuclear Materials Safety

License Nos. R-103, 24-00513-36E  
Docket Nos. 050-186, 030-30162

Enclosure: Inspection Report Nos.:  
050-186/95004(DNMS); 24-00513-36E/95004(DNMS)

cc w/encl: Jim Ryhne, Director  
bcc w/encl: PUBLIC

DOCUMENT NAME: G:\INSPRPTS\MTLS\030\03032695.951

\* See Previous Concurrences

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DATE	12/ /95		12/ /95		12/ /95		12/26/95 SW.		12/27/95	

Via E-mail

G. Brouder

-2-

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

Cynthia Pederson, Director  
Division of Nuclear Materials Safety

License Nos. R-103, 24-00513-36E  
Docket Nos. 050-186, 030-30162

Enclosure: Inspection Report  
No. 050-186/95004(DNMS)

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