



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

PDR  
CF

JUL 20 1979

The Curators of the  
University of Missouri  
ATTN: Mr. John H. Tolan  
Radiation Safety Officer  
Columbia, Missouri 65202

License No. 24-00513-32

Gentlemen:

This refers to the inspection conducted by Mr. R. A. Paul of this office on June 18-22, 1979, of activities at the Columbia Campus authorized by NRC Byproduct Material License No. 24-00513-32 and to the discussion of our findings with you and other members of the University staff.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel.

During this inspection, certain of your activities appeared to be in noncompliance with NRC requirements, as described in the enclosed Appendix A.

This notice is sent to you pursuant to the provisions of Section 2.201 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations. Section 2.201 requires you to submit to his office within twenty days of your receipt of this notice a written statement or explanation in reply, including for each item of noncompliance: (1) corrective action taken and the results achieved; (2) corrective action to be taken to avoid further noncompliance; and (3) the date when full compliance will be achieved.

With respect to item 3 in Appendix A, information provided during the inspection showed that action had been taken to correct the identified noncompliance and to prevent recurrence. Consequently, no reply to this noncompliance is required and we have no further questions regarding this matter at this time.

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The Curators of the  
University of Missouri

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It was noted during the inspection that you do not have a routine program of measuring concentrations of radioactive materials in air in restricted areas to determine compliance with the requirements of 10 CFR 20.103 (a)(1). However, your program consists of routinely measuring radioactivity in the body and of radioactivity excreted from the body to comply with your License requirements and 10 CFR 20.103 (a)(1).

Per our discussion with you at the close out meeting conducted on June 22, 1979 the matter as to whether or not compliance with 10 CFR 20.103 (a) requirements can be satisfied by bioassay methods solely in lieu of measuring radioactive concentration in air has been given to the NRC Headquarters staff for resolution. Until this matter has been resolved, we shall consider your current method of satisfying the requirements of 10 CFR 20.103 as an unresolved item. The resolution of this compliance matter will be reviewed with you in the future.

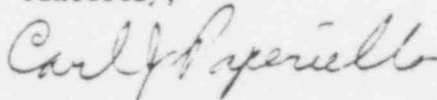
In addition to the items of noncompliance identified in Appendix A, we are concerned about a practice noted by the inspector of allowing smoking and the making of and drinking of coffee in laboratory 114 of the Animal Services Building, a laboratory where iodine 125 radioiodinations are carried out in a fume hood.

In Section 2.2.1 of your Handbook of Radiological Operations (Radiation Control and Radioactive Waste Disposal Manual) it states "Smoking, eating, or drinking shall be discouraged in radioisotope laboratories".

Consequently, please state in your reply to this letter what steps will be taken to ensure the discouraging of these practices in authorized users laboratories.

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

Sincerely,

*for*   
A. B. Davis, Chief  
Fuel Facility and  
Materials Safety Branch

Enclosure: Appendix A,  
Notice of Violation

cc w/encl:  
Central Files  
Reproduction Unit NRC 20b  
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