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Indiana University
ATTN: Mack L. Richard
Radiation Safety Officer
541 Clinical Drive
Indianapolis, IN 46223

License No. 13-02752-03
License No. 13-02752-08

Gentlemen:

This refers to the routine safety inspection conducted by Ms. T. Simmons and Messrs. W. J. Slawinski and J. Mullauer of this office on June 27 and 28, 1985, of activities authorized by NRC Byproduct Material Licenses No. 13-02752-03 and No. 13-02752-08 and to the discussion of our findings with you, Tom Hanna, Robert Witt, Jon Lindemann, and other staff members at the conclusion of the inspection.

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, independent measurements, and interviews with personnel.

In addition to the above areas, the inspector reviewed the circumstances surrounding an incident reported to Region III in your letter dated August 27, 1984, regarding the failure of the teletherapy source to return to its shielded position at the termination of a treatment. We have no further questions regarding this matter at this time.

No items of noncompliance with NRC requirements were identified during the course of this inspection of License No. 13-02752-08. However, certain of your activities under License No. 13-02752-03 appeared to be in noncompliance with NRC requirements, as specified in the enclosed Appendix. A written response is required.

During the discussions at the conclusion of the inspection, our inspectors expressed concern over radiation levels at your medical center's teletherapy console being higher than normally encountered. Even though the teletherapy console is a restricted area, radiation exposures to operators should be in accordance with the ALARA (as low as reasonably achievable) philosophy. A review of film badge records showed that whole body exposures to teletherapy operators frequently exceed your ALARA action levels I and II. Please describe what actions you plan to take regarding this concern.

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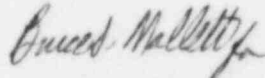
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The responses directed by this letter (and the accompanying Notice) are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

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

Sincerely,



W. L. Axelson, Chief
Nuclear Materials Safety
and Safeguards Branch

Enclosure: Appendix,
Notice of Violation

cc w/enclosure:
Glen Irwin, M.D.-Vice President
DMB/Document Control Desk (RIDS)

RIII
W.A.A.
Slawinski/jp
07/11/85
7/16/85

RIII
D.B. for
Simmons
7/18

RIII
D.B. for
Mullauer
7/18

yes
RIII
D.B. for
Sreniawski
7/18

RIII
D.B. for
Axelson
7/19