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

NSIC

30-2271

MAY 22 1980

Washington University
ATTN: Edward L. MacCordy
Associate Vice Chancellor
for Research
Lindell and Skinker Boulevards
St. Louis, MO 63130

License No. 24-00167-11

Gentlemen:

This refers to the special inspection conducted by Mr. R. E. Burgin and Dr. L. W. Shatterly of this office on January 23 and February 5 and 6, 1980 at the Barnes Hospital and Jewish Hospital of activities conducted under NRC License No. 24-00167-11 and to the discussion of these findings with Dr. John Eichling, Dr. Barry Siegel, Mr. Vincent Lovett, Ms. Mabel Howell and Ms. Janice Baker of your staff.

This special inspection was an examination of the activities conducted under your license as they relate to use of xenon-133 and to compliance with the Commission's rules and regulations and with the conditions of your license in this area. The inspection consisted of a selective examination of procedures and representative records, observations and interviews with personnel.

This also refers to the subsequent meeting attended by me and Messrs. A. B. Davis, C. J. Paperiello, and R. E. Burgin of my staff, and Drs. J. Eichling, B. Siegel, R. Evans and D. R. Bernier of your staff held on April 29, 1980, to discuss the inspection findings with respect to your use of xenon-133.

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

Our practice has been to take stronger enforcement action than a Notice of Violation in cases of noncompliance such as Appendix A, item 1. In your case we conclude there are certain mitigating circumstances contributing to this noncompliance and, consequently, we have decided to limit enforcement action to this letter. However, we are concerned about your review over the ordering of radioactive material that allowed this item of noncompliance to occur. Consequently, in addition to your reply to this item

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of noncompliance, please tell us what steps you will take to ensure that in the future all licensed material used in your nuclear medicine program will be as authorized by your license. Specifically, this should include: (1) a review of IE Circular Nos. 79-01 and 79-14 (enclosed), which should have been reviewed last year by all personnel in your organization who procure, prepare, and use radiopharmaceuticals for human use, and (2) the preparation and implementation of the procedures described in Circular 79-01.

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 this 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.

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

Sincerely,

James G. Keppler

James G. Keppler
Director

Enclosures:
1. Appendix A, Notice of Violation
2. IE Circular No. 79-01
3. IE Circular No. 79-14

cc w/encls:
Dr. John Eichling, Radiation Safety Officer
Central Files
Reproduction Unit NRC 20b
PDR
NSIC