

Lois Rutz, M.S.
Marshfield Clinic, 2B
1000 N. Oak
Marshfield, Wi. 54449
April 12, 1985

William J. Adams, PhD.
Materials Licensing Branch
Nuclear Regulatory Commission
799 Roosevelt Rd.
Glen Ellyn, Illinois 60137

Dear Dr. Adams,

In response to your letter of March 15, 1985 concerning our byproduct license renewal (control number 16248) we hereby submit documentation relating to each of the points mentioned.

1. All research involving human subjects is conducted under the auspices of our Institutional Review Board. The answer to your question #1 is attached as Appendix C to be appended to the renewal.
2. Items 6a and 6b shall be replaced with the attached items 6a and 6b. As per my telephone call, I have assumed that your reference to isotope listing under items 7,8, and 9 was unintentional.
3. Paragraph A1 Item 10B of the renewal shall be replaced with a new paragraph indicating the use of NBS traceable check sources of Cs-137, Ba-133 and Co-57. Ba-133 250 uCi has been ordered from Capentec, Inc. Paragraph A2 has also been modified for clarification. Item 10B should be replaced with the revision attached. The only change has been in paragraph A.
4. Item 13 of the license has been rewritten to incorporate the procedures requested. Item 13 of your copy should be replaced with the revision attached.
5. Item 14 has been amended to clarify our intent that all packages be opened in accordance with safe opening procedures as per Regulatory Guide 10.8. Replace item 14 of the renewal with the revision attached.
6. Item 6 is addressed as an additional paragraph, Paragraph K, of item 15. Replace page 73 of your copy with the revised page 73.
7. A paragraph confirming use of finger dosimeters is appended to item 20. Replace item 20 of the renewal with the revision attached.
8. Airflow rates in the ventilation systems for Xe-133 will be measured at least semiannually by hospital maintenance. In addition, since the submission of this renewal the nuclear medicine department has undergone

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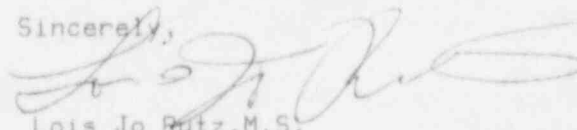
remodeling to isolate the computer systems. A revision of Item 21 including new calculations and floor plan is submitted to reflect these changes. Item 21 will also include information on the airflow monitoring. Replace Item 21 of the renewal with the revision attached.

9. Compliance with 10CFR71 is insured by transferring all radioactive materials in their original shipping containers. By emergency procedures, I assume you mean unintentional spills or breakage during transport. The clarification of a,b and c of your letter is incorporated into paragraphs F and G of Item 15. Replace item 15 of the renewal with the revision attached.
10. A new item, Item 22 describing use of radioisotopes in animals is submitted here. Please append this to the body of the license.

In an effort to keep the license comprehensible throughout our correspondence, we are rewriting each section which is revised. To assist your review I am including a copy of each original item with the revised sections highlighted in yellow. In addition to the items mentioned in your letter a number of minor changes reflecting a second proofreading have been included. Each change is also accompanied by the original page with the change highlighted in yellow. These changes are changes in equipment, committee membership, etc. which have occurred since our renewal was submitted and corrections of typographical errors or small oversights.

If you have further questions please contact me.

Sincerely,



Lois Jo Rutz, M.S.
(715)387-9022

cc Dr. Robert Greenlaw