

DEC 28 1984

Docket No. 030-22065
Control No. 03135

University of Medicine and
Dentistry of New Jersey
ATTN: Lloyd J. Foreman, Ph.D.
Radiation Safety Officer
Department of Medicine
School of Osteopathic Medicine
401 Haddon Avenue
Camden, New Jersey 08103

Gentlemen:

Your application dated November 12, 1984 for a Material License has been assigned to John J. Miller for review.

Your application is deficient at describing completely your radiation safety program. Enclosed for your information is a copy of Regulatory Guide 10.2, "Guidance to Academic Institutions Applying for Specific Byproduct Material Licenses of Limited Scope". Please refer to Regulatory Guide 10.2 and re-submit your application. A complete description of your radiation safety program should include but not be limited to such items as management's role in maintaining exposures ALARA, the Radiation Safety Officer's duties, laboratory safety rules, training required for laboratory personnel, personnel dosimetry, procedures for safely opening incoming packages containing radioactive material, radioactive waste disposal, emergency procedures, and survey instrument calibration procedures.

Also, since you are requesting authorization for millicurie quantities of H-3, I-125, and I-131, you should demonstrate in your application that the need for bioassays has been thoroughly considered and that the proposed bioassay program is appropriate for the institutions intended use of radioactive material. Enclosed are copies of Regulatory Guide 8.20 "Applications of Bioassay for I-125 and I-131" and a document entitled "Guidelines for Bioassay Requirements for Tritium" for you to consult.

In support of your request for 10 millicuries of phosphorus-32, you should develop and submit special safety instructions to be provided to individuals using millicurie quantities of P-32. We recommend that your procedures include, but not be limited to, the following:

- a. The use of low density shielding (e.g. plexiglass) in order to keep Bremsstrahlung radiation at a minimum.
- b. A mandatory radiation survey and wipe test procedure after each use.

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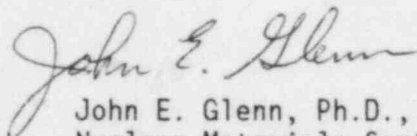
- c. The use of finger type extremity monitors for procedures that involve 1 mCi or more.
- d. The use of eye protection for procedures involving 10 millicuries or more.

In addition, please note that the person signing your application should be a member of the institution's administration with direct responsibility over your radiation safety program.

In providing the requested information, please reply in duplicate and reference your assigned mail control number.

If you have any questions, please contact the above named reviewer at telephone number (215) 337-5304.

Sincerely,



John E. Glenn, Ph.D., Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

Enclosures:
Regulatory Guides 8.20 and 10.2
"Guidelines for Bioassay Requirements for Tritium"
10 CFR Parts 19 & 20
NRC Form 313

RI:DETP
Miller/cjm
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