

MAY 10 1985

Docket No. : 030-01228
License No.: 04-02956-02
Control No.: 18343

V. A. Medical Center
Radiation Safety Office (11R)
150 Muir Road
Martinez, California 94553

Attention: Mr. C. H. Nixon
Director

Gentlemen:

Enclosed is the NRC license which you requested.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify us so that we can provide appropriate corrections and answers.

Item 7 of your application dated October 25, 1984 states that the Chairman of the Radiation Safety Committee and the Radiation Safety Officer may jointly grant provisional approval for new users and uses of radioactive materials.

You should note that new users must work under the supervision of an authorized user named in License Condition 12.A. until the license is amended to list them by name.

In the future, you may find it desirable to amend your license to allow the research department to operate under a broad scope authorization. A copy of the Proposed Revision 2 to Regulatory Guide 10.5 is attached for your consideration.

Your application also notes that the Radiation Safety Committee may approve rearrangements or relocations of laboratories. When such approvals are granted, the vacated areas should be surveyed to verify that they meet the enclosed "Guidelines for Decontamination". Copies of the survey results should be maintained by the Radiation Safety Officer for inspection purposes.

Item 18 of your application describes your waste disposal procedures, but it does not specify the length of time that short half-life materials will be held prior to survey and subsequent disposal. You should note that License Condition 18.A. requires that these wastes be held for decay for a minimum of ten half-lives.

OFFICE	RV. <i>BAK</i>	8507160155 850510			
SURNAME	Riedinger/cb	REG5 LIC30	PDR		
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V. A. Medical Center

-2-

MAY 10 1985

Although we agree that the air concentrations of xenon-133 in restricted areas meet the limits described in 10 CFR 20.103, special calculations will need to be made to demonstrate compliance with 10 CFR 20.103 if you have an accidental release of xenon-133 and you choose not to evacuate the area. Our calculations indicate that the Imaging Area air would return to the restricted area concentration limit for xenon-133 after 45 minutes dilution of a unit dose (10 millicuries). Also, the Hot Laboratory air would need 54 minutes of dilution to meet the restricted area concentration limit. Your Radiation Safety Officer should maintain such calculations on file for inspection purposes.

Any future correspondence relating to your license should specifically reference your license and docket numbers to expedite your inquiry.

Sincerely,

Beth A. Riedlinger
Health Physicist (Licensing)
Nuclear Materials Safety Section

Enclosures: Attachment A
Amendment No. 50 to License No. 04-02956-02
Proposed Revision 2 to Regulatory Guide 10.5
Guidelines for Decontamination