

Form 10 1000

Indiana University
Attn: Henry C. Briggs, Ph.D.
Radiation Safety Officer
Environmental Health & Safety Department
625 North Jordan
Bloomington, Indiana 47405

Re: APPLICATION FOR RENEWAL OF THE LICENSE NUMBER SR-007

Gentlemen:

Instead of renewing your source material license, we propose to terminate License Number SR-007 and authorize your possession and use of thorium-232 under License Number IS-00100-05. Before we can proceed, however, we need the following additional information:

1. A description of your thorium-232 generator and the method by which alpha calibration sources are prepared. (A sketch would be helpful.) Include in your description the type, position and thickness of any shielding used around the generator.
2. The location(s) on your campus where the thorium generator is used and stored and where the thorium calibration sources are stored when not in use.
3. Your means of securing the generator and sealed calibration sources against unauthorized use or removal.
4. Radiation safety precautions used when transferring the thorium-232 to the glove box.
5. Your means of insuring that personnel working with or in the vicinity of the generator are not exposed to air concentrations of thorium or its daughter products in excess of the limits specified in 10 CFR Part 20 from leakage outside the glove box.

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SURNAME	Holt/bl						
DATE	1/19/83						

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Indiana University

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We will continue our review of your application upon receipt of this information. Please reply in duplicate within 30 days and reference Control No. 22550.

Sincerely,

L. J. Holt
Materials Licensing Section

Enclosure: 10 Crk Part 20

OFFICE

SURNAME

DATE