

December 17, 1984

Indiana Department of Civil Defense  
Attn: Mr. William J. Patterson  
Director  
Room 90-B State Office Building  
100 North Senate Ave.  
Indianapolis, IN 46204

Gentlemen:

This is in reference to your application, dated August 17, 1984 for a Byproduct Material License. In order to continue our review, we need the following additional information:

1. You have indicated that you wish to calibrate your own survey instruments. In order to do this, you need to submit your step-by-step procedures for survey instrument calibration. These procedures should include a two-point calibration on each scale with the points located at approximately 1/3 and 2/3 of full scale. These procedures should also include at what percent error you will consider the instrument in need of repair and a description of your method of maintaining a record of the results of the calibration.

2. If you intend to use pocket dosimeters as personnel monitors, please state how frequently individuals will be instructed to charge, read and record the output the dosimeters.

3. Please submit the criteria your Radiation Safety Committee will use for approval of storage sites for source sets. As a minimum, these criteria should be sufficient to prevent unauthorized removal from their authorized storage sites, as well as ensure that radiation levels from the stored sets will not exceed Part 20 limits.

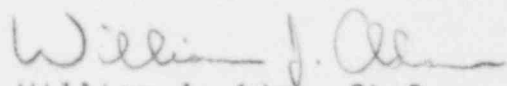
4. Please submit your procedures to ensure source accountability. While the forms you have included indicate some system is in place, you need to submit step-by-step procedures for source check-in and check-out, periodic inventory and an area survey upon completion of use at temporary sites to make sure all licensed material has been accounted for and returned to its storage container.

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	13-13408-02					

5. Please confirm that all maintenance and repair performed on your survey instrument calibrators will be by the device manufacturer or other agent licensed by the NRC to perform such activities.

We will continue our review of your application upon receipt of this information. Please reply in duplicate within thirty days and refer to Control No. 77474.

Sincerely,



William J. Adam, Ph.D.  
Material Licensing Section

REGION 3  
WJAdam

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OFFICE ▶						
SURNAME ▶						
DATE ▶						

# STATE OF INDIANA



INDIANAPOLIS, 46204

## DEPARTMENT OF CIVIL DEFENSE

90 STATE OFFICE BUILDING  
100 NORTH SENATE AVENUE

TELEPHONE: (317) 232-3830

August 17, 1984

Directorate of Licensing  
Material Branch  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Sir:

The Indiana Department of Civil Defense submits the attached request for a new Cesium License in lieu of the present Cesium Source 137 source #13-13769-01, and the Cobalt 60 Source #13-13408-01.

The Federal Emergency Management Agency is in the process of replacing our present sources. Both the calibrator Cesium 137, and the training source (cobalt) sets are being replaced by new Cesium 137 sources. Per telecon with Pat Bacherlon, NRC, Region III, 0800, June 21, 1984, it was deemed the most appropriate course of action to begin with a new license to cover the new sources and to put all the cesium sources on one license. In addition, we request the continued license of the Cobalt 60 source sets until they are shipped to FEMA. These sources are used to support a 100% federally funded training and maintenance contract. The department is not a fee agency.

If there are any questions, please contact the Radiation Safety Officer, Mr. Gerald W. Glaze, at (317) 232-6878.

Sincerely,

08:00 AM AUG 22 1984  
*William J. Patterson*  
William J. Patterson  
Director

Control No. 7 7 4 7 4

WJP/cjs

**FEE EXEMPT**  
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RECEIVED BY LFMB	
Date..	8/29/84
Log..	Aug. 24-111
By..	Jacques
Orig. To	
Action Compl.	8/30/84

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