

Mr. John Cooper Ph.D. Chief
Regional Licensing Section
License Management Branch
Division Of Fuel Cycle and
Material Safety

Mr. Cooper,

This is in response to your letter concerning License Application
for Daviess County Hospital, Washington, Indiana. Control # 01731.
License # 13-16138-01. Docket # 030-10475.

The information you requested is as follows:

1. Sources to be used for future calibration of our Dose Calibrator
are:
- a. Cesium - 137 (201 uCi)
 - b. Barium - 133 (170 uCi)

The machine was initially calibrated at the factory on 5-4-79 using
the following standards:

- a. Cesium - 137 (175)
- b. CO - 57 (188.8)
- c. CO - 60 (54.3)
- d. Tc -99m (741.6)

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- 2a. Any technologist employed at this institution, in the Nuclear Medicine
department in the capacity of a technologist, must have graduated from
an A.M.A. approved program of Nuclear Medicine technology and be
registered by the American Registry of Radiologic Technologists.

The orientation of a new technologist will include review of the depart-
ment Manual which will include a section concerning radiation-safety
for the technologist. A copy of this section is inclosed.

- 2b. All personnel who have the possibility of entering a radiation area
in this department, will be verbally instructed initially and given
an annual refresher course concerning matters which may affect them
while they are in this department. This department is small in nature,
employing only one technologist presently and using a 100 mCi generator,
thus this instruction will only need to cover such matters as: Locations
of all radioactive materials, amounts of radioactivity on hand etc.
Especially, potential hazards of radiation and their responsibility to
report any unsafe conditions.

I feel this information will satisfactorily meet your needs. For any further
information, please contact me at the following address. Thank you.

Sincerely,

Richard D. Smith

Mr. Richard D. Smith R.T.
% Daviess County Hospital
1314 Grand Avenue
Washington, Indiana 47501

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Radiation Safety for the Technologist

The following outline will be covered with all newly employed technologists (Nuclear Medicine), during their orientation and before they assume responsibilities with or in the vicinity of radioactive materials.

This same outline will be covered with all Nuclear Medicine technologists on an annual basis, as a refresher course, or whenever there is a significant change in duties, regulations or the terms of the license.

- A. Areas where radioactive materials are used or stored.
- B. Potential hazards associated with radioactive material.
- C. Radiological safety procedures appropriate to their respective duties.
- D. Pertinent N.R.C. regulations.
- E. Rules and regulations of the license. (Kept in desk of Chief technologist)
- F. Pertinent terms of the license.
- G. Their obligation to report unsafe conditions.
- H. Appropriate response to emergencies or unsafe conditions.
- I. The right to be informed of their radiation exposure and bioassay results, if applicable.
- J. Locations where the licensee has posted or made available notices, copies of pertinent regulations, and copies of pertinent licenses and license conditions (including applications and applicable correspondence), as required by 10 CFR Part 19.
- K. Storage, transfer or use of radioactive materials or of radiation in such portions of the restricted area.
- L. All entities of 19.12 of 10 CFR Part 19.