

# TIPTON COUNTY MEMORIAL HOSPITAL

1000 South Main Street  
TIPTON, INDIANA 46072

## Trustees

Hilton Hobbs, Pres.  
Howard Adler, Sec'y  
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James C. Talley

October 1984

U.S. NRC  
LIC. FEE EXEMPT. BRANCH

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Date	10/17/84
Log	Oct 18 1984
By	CP
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Material Licensing Branch  
Division of Fuel Cycle and Material Safety  
U.S. Nuclear Regulatory Commission, Region III  
799 Roosevelt Rd.  
Glen Ellyn, Illinois 60137

Gentlemen:

Please renew our byproduct material license number 13-01719-02. With the exception of the following minor modifications, we wish to continue to operate under our current license, as reflected in our last application dated Nov. 27, 1978 and letter dated March 2, 1979. We will continue to operate in accordance with these documents and applicable NRC regulations and license conditions.

## MODIFICATIONS:

1. Delete Bonnie C. Riley, M.D. as an Authorized User.
2. See enclosed Appendix C form for list of current equipment.
3. Radiopharmaceuticals are currently being supplied by Syncor, Inc. 50-75 mCi of Tc-99m will be used for our linearity test protocol on the dose calibrator (the protocol requires starting with the maximum activity that might need to be assayed). If a Mo-Tc generator is ever used, we will again use the first milk of the generator as the starting activity.
4. Our area survey procedure is as specified in our license application dated Nov. 27, 1978, with the exception that an area will be cleaned if the contamination level exceeds 1070 dpm (.00048 uCi)/100 sq. cm. This is the minimum detectable activity (MDA) for our Siemens gamma camera (without collimator) for a one minute count. This is the most sensitive system that we have available for counting wipe samples.
5. A nurse has been added to the Radiation Safety Committee as required by 10 CFR Part 35.

CONTROL NO. 77611

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13-01719-02 PDR

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REGION III

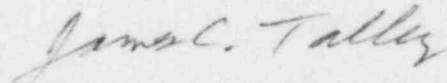
OCT 11 1984

6. The survey meter will be calibrated by James Durlacher (license No. 13-07215-01) or by Syncor, Inc. (license no. 13-19229-01 MD) or by return to the manufacturer.

We would sincerely appreciate an expedited response to this renewal application since it should have been submitted prior to Oct. 1. The renewal was prepared by our consulting physicist and he did not return this information to us in a timely fashion. No fee is submitted with this renewal since Tipton County Memorial Hospital is a County hospital and is exempt from such fees.

Sincerely,

TIPTON COUNTY MEMORIAL HOSPITAL



James C. Talley, Administrator

JCT/bc

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APPENDIX C  
INSTRUMENTATION

1. Survey meters

- a. Manufacturer's name: Eberline E520  
 Manufacturer's model number: E520  
 Number of instruments available: 1  
 Minimum range: 0 mR/hr to 0.2 mR/hr  
 Maximum range: 0 mR/hr to 2000 mR/hr
- b. Manufacturer's name: \_\_\_\_\_  
 Manufacturer's model number: \_\_\_\_\_  
 Number of instruments available: \_\_\_\_\_  
 Minimum range: \_\_\_\_\_ mR/hr to \_\_\_\_\_ mR/hr  
 Maximum range: \_\_\_\_\_ mR/hr to \_\_\_\_\_ mR/hr

2. Dose calibrator

- Manufacturer's name: Picker  
 Manufacturer's model number: Isotope Calibrator  
 Number of instruments available: 1

3. Instruments used for diagnostic procedures

Type of Instrument	Manufacturer's Name	Model No.
Large field of view Gamma Camera	Siemens	ZLC-37

Dual probe rectilinear  
scanner (5 inch)

4. Other (e.g., liquid scintillation counter, area monitor, velometer)

Thyroid uptake system

Raytheon

Picker

Spectroscaler 4

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Oct. 9, 1984