

**Welborn Baptist Hospital:**401 Southeast Sixth Street
Evansville, Indiana 47713

December 18, 1987

United States Nuclear Regulatory Commission
Materials Licensing Branch
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Ms. Frazier:

Enclosed is our request for the 26th amendment to our Nuclear Regulatory license number 13-01674-01. We wish to extend our Nuclear Medicine services to include an office in the Medical Center of Vincennes, 406 North 1st Street, Vincennes, IN. Our authorized users Dr. S. Young and Dr. M. Miller in conjunction with Welborn Baptist Hospital will provide basic diagnostic services. We wish to operate this extended service under the same provisions as stated in our current license. We will not perform any therapeutic procedures, nor use any radioactive gasses. All other diagnostic procedures will be performed in the same manner as we are currently performing them.

Security to areas where radioactive material may be used and/or stored will be provided by locks on the doors to the hot lab and imaging room. These areas will be kept locked at all times when not in use.

Disposal of radioactive waste will be as here, using the decay-in-store method, holding material for 10 half-lives, surveying with a low-level GM meter to ensure no detectable radiation above background (.04 mr/hr), recording results and disposing into routine trash. Molybdenum 99 TC 99m generators may be returned to the manufacturers after use as we are currently doing in accordance with 10CFR 71 and DOT regulations.

We have ordered a Siemens 750C orbiter Gamma Camera with Micro-Delta 60 plus computer. We intend to modem transfer data as we expect volume to be quite small. (ie: 5-10 thalliums per week, 5-10 mugas per week, 5-10 bone scans per week.)

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JAN 08 1988

REGION III

CONTROL NO. 84686

JAN 18 1988

Log Jan 7th
Remitter 1039847
Check No. 51257
Amount \$5.00
Fee Category and
Type of Fee
Date Completed 1/19/88
By P.S. Young

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Welborn Baptist Hospital

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Evansville, Indiana 47713

We intend to purchase a Ludlum 14C Geiger Counter with a thin end window ($1.7 \pm .3$ mg/cm² mica and 6.4 cm² active window area). We also intend to purchase a Kiethly Digital Cutie Pie (0.1 mr/hr to 20 Rh/r). We wish to use Capentic's CRC7 Dosecalibrator with the CAP-MAC moly assay option, all contingent of course on NRC approval of this extended service.
(see attached area drawing, page 3)

Sincerely,

Marshall Miller MD

Marshall Miller, M.D.
Director, Nuclear Medicine
Radiation Safety Officer

MM/pc
enclosure

CONTROL NO 84686

THE MEDICAL CENTER OF VINCENNES
406 NORTH FIRST STREET
VINCENNES, INDIANA

