



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

*D. Spillmeyer*

AUG 05 1983

RECEIVED BY LFMR	
Date	10/21/83
Log	oct 13 1983
By	cap
Orig. To	030-01614
Action Compl.	cap

Reid Memorial Hospital  
ATTN: Barry S. MacDowell  
Executive Vice President  
1401 Chester Boulevard  
Richmond, IN 47374

Control No. 15175

Gentlemen:

Enclosed is Amendment No. 35 to your NRC License Number 13-03284-02 which authorizes the changes you requested in letter received June 27, 1983.

Please be advised that we cannot authorize you to release your old nuclear medicine space for unrestricted use (even by other members of your staff) until we have received and reviewed a copy of the results of your close-out survey. The survey should consist of exposure rate measurements to show that all sources of radioactive have been removed, and contamination checks of areas where radioactive materials were used or stored. We recommend that average radiation levels associated with surface contamination not exceed 0.2 mR/hr at 1 cm and that removable contamination not exceed 200 dpm/100 cm<sup>2</sup>. Please submit the following information with your close out survey:

- a diagram of your old facility with survey and wipe test results keyed to specific locations.
- the name of the person performing the survey.
- the date the survey was performed.
- the instrument(s) used for exposure rate measurements and for analysis of the wipes.
- background readings.

Information submitted in response to this letter should state that it is additional information and not a new amendment request. If you have questions, please contact our office by dialing (312) 932-2625.

Sincerely,

*Gentlemen,*

*This is the results  
of our close-out survey  
you requested.*

*William J. Adam*  
William J. Adam, Ph.D.  
Materials Licensing Section

**FREE EXEMPT**

*Watch Wolfentzner C.V.M.T., R.P.*

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REG LIC30  
13-03284-02 PDR

Control No. 75748

RECEIVED  
OCT 17 1983  
REGION III  
OCT 17 1983

October 5, 1983

Dr. John Spellmeyer  
Radiology Department  
Reid Memorial Hospital  
Richmond, Indiana 47374

Subject: Exit survey of previous location of nuclear medicine lab.

SURVEY:

Instrument used: Victoreen model 498 survey meter, window open; calibrated 7/12/1983

Location	Meter reading mr/hr
<hr/>	
<u>Hot Lab</u>	
A. counter top surface	0.07
B. hood surface	0.08
C. countertop surface around sink and "L" shield	0.07
D. floor near countertop and hood	0.06
E. floor near sink and "L" shield	0.05
 <u>Patient Care Area</u>	
F. floor around uptake system	0.05
G. floor around Picker Dynacamera 3C	0.06
H. floor around Picker Dynacamera 415	0.07
Background	0.08

Surface Wipe Tests:

Technique used: Surface area (100cm<sup>2</sup>) wiped with moistened cotton applicator; applicator placed in test tube and counted using a Searle well counter and Picker spectrometer 4; PHA window-independent; MeV range 0-1; LLO50, UL=1000; HI voltage 1110 volts; efficiency (<sup>57</sup>Co) = 0.90; background 100 cpm.

Control No. 75748

Location	Net cpm	net dpm 100 cm <sup>2</sup>
<u>Hot Lab</u>		
A. countertop surface	138	42
B. hood surface	101	1
C. countertop surface anround sink & "L" shield	116	18
D. floor near countertop and hood	117	19
E. floor near sink and "L" shield	117	19
<u>Patient Counting Area</u>		
F. floor anround uptake system	101	1
G. floor around Picker Dynacamera 3C	101	1
H. floor around Picker Dynacamera 415	101	1

Comments: No indication of radiation levels above background in this area; surface wipes are less than 100dpm/100cm<sup>2</sup> in this area

*Deborah Wolfinbarger*  
Deborah Wolfinbarger, R.T., C.N.M.T.  
Reid Memorial Hospital

