

# LORIN M. BROWN, M.D., P.C.

FAAOS, FACS, FAAP

PEDIATRIC & ADOLESCENT ORTHOPEDIC SURGERY

&

SPORTS MEDICINE

July 31, 2007

U.S. Nuclear Regulatory Commission  
Radioisotopes Licensing Division  
Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

RE: Amendment to NRC Radioactive Materials License #13-32269-01, Lorin M. Brown, M.D., P.C. in Munster, Indiana

Dear Sir or Madam:

We request that the Nuclear Medicine Area located at 1650 45<sup>th</sup> Street, Munster, Indiana 46321 be released for unrestricted use. Lynn Wiabel performed a closeout survey on February 19, 2007. The area is at background for radiation exposure and removable contamination.

All radioactive material was removed from the area prior to the survey. All radiation area and radioactive material signs/labels have been removed.

The equipment used for the survey was: Ludlum, 14C, SN: 170008, Bkg: 0.03mR/hr; Packard Auto-Gamma Counter, Model: D5003, SN: 406282.

Lynn Wiabel collected the wipes during the survey process. Stan A. Huber Consultants, Inc. using the gamma counter indicated above counted the wipes. The counting data is attached. The survey meter was used to determine that all of the areas are at background levels for exposure rate measurements. The survey was performed within one inch of each surface. Areas surveyed are indicated on the attached diagrams. These areas also include the inside of cabinets, drawers, under sinks and drains.

We hope this information is sufficient to grant our request for amendment. If you have questions or need additional information concerning this request please contact me at 800-383-0468.

Sincerely,



James C. Hatten  
Radiation Safety Officer

OFFICE:  
1650 45TH STREET  
MUNSTER, INDIANA 46321

OFFICE TELEPHONE NUMBERS  
(219) 924-6544 (708) 895-9275  
FAX (708) 895-6753

ATTENDING SURGEON - THE CHILDREN'S MEMORIAL HOSPITAL  
ASSISTANT PROFESSOR OF CLINICAL ORTHOPEDIC SURGERY - NORTHWESTERN UNIVERSITY MEDICAL SCHOOL

RECEIVED AUG 03 2007



**Stan A. Huber Consultants, Inc.**  
Health Physics and Radiation Safety Services

200 North Cedar Road - New Lenox, Illinois 60451-1751 - (800) 383-0468 or (815) 485-6161 - FAX (815) 485-4433 - Email sahci@aol.com - Home Page www.sahci.com

Wipes Taken on 2-19-2007

Lorin M. Brown, M.D., P.C.

Munster, IN

Counting Efficiency

Background CPM

0.841

158

RAM License No.: 13-32269-01

Sample #	Channel A			
	Gross	Net	BKG	DPM
1	112	-46	158	-55
2	123	-35	158	-42
3	127	-31	158	-37
4	139	-19	158	-23
5	122	-36	158	-43
6	128	-30	158	-36
7	115	-43	158	-51
8	120	-38	158	-45
9	125	-33	158	-39
10	120	-38	158	-45
11	137	-21	158	-25
12	129	-29	158	-34
13	128	-30	158	-36
14	141	-17	158	-20
15	122	-36	158	-43
16	128	-30	158	-36
17	114	-44	158	-52
18	135	-23	158	-27
19	105	-53	158	-63
20	122	-36	158	-43
21	134	-24	158	-29
22	108	-50	158	-59
23	120	-38	158	-45
24	133	-25	158	-30
25	121	-37	158	-44
26	131	-27	158	-32
27	110	-48	158	-57
28	147	-11	158	-13
29	127	-31	158	-37
30	122	-36	158	-43
31	133	-25	158	-30
32	127	-31	158	-37
33	120	-38	158	-45
34	119	-39	158	-46
35	126	-32	158	-38
36	140	-18	158	-21
37	108	-50	158	-59
38	151	-7	158	-8
39	124	-34	158	-40
40	132	-26	158	-31

41	144	-14	158	-17
42	147	-11	158	-13
43	123	-35	158	-42
44	128	-30	158	-36
45	116	-42	158	-50
46	135	-23	158	-27
47	155	-3	158	-4
48	129	-29	158	-34
49	122	-36	158	-43
50	141	-17	158	-20
51	133	-25	158	-30
52	128	-30	158	-36
53	150	-8	158	-10
54	135	-23	158	-27
55	131	-27	158	-32
56	137	-21	158	-25
57	127	-31	158	-37
58	147	-11	158	-13
59	132	-26	158	-31
60	130	-28	158	-33
61	112	-46	158	-55
62	125	-33	158	-39
63	149	-9	158	-11
64	117	-41	158	-49
65	130	-28	158	-33
66	139	-19	158	-23
67	130	-28	158	-33
68	161	3	158	4
69	119	-39	158	-46
70	141	-17	158	-20
71	132	-26	158	-31
72	149	-9	158	-11
73	122	-36	158	-43
74	152	-6	158	-7
75	139	-19	158	-23
76	140	-18	158	-21
77	153	-5	158	-6
78	152	-6	158	-7
79	157	-1	158	-1
80	125	-33	158	-39
81	142	-16	158	-19
82	151	-7	158	-8
83	137	-21	158	-25
84	126	-32	158	-38
85	139	-19	158	-23

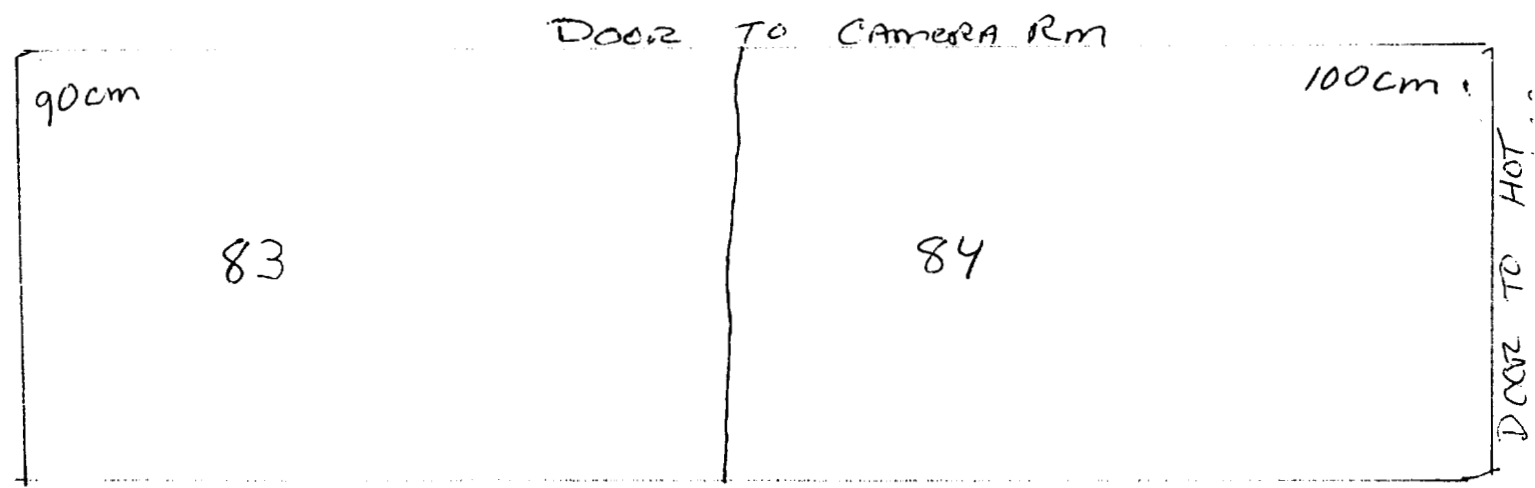
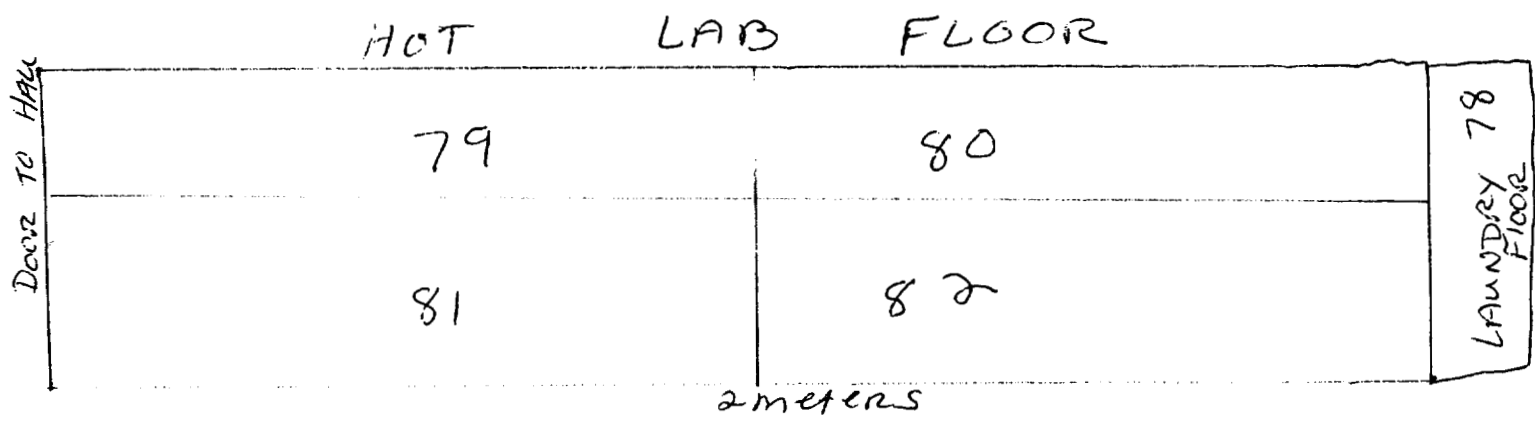
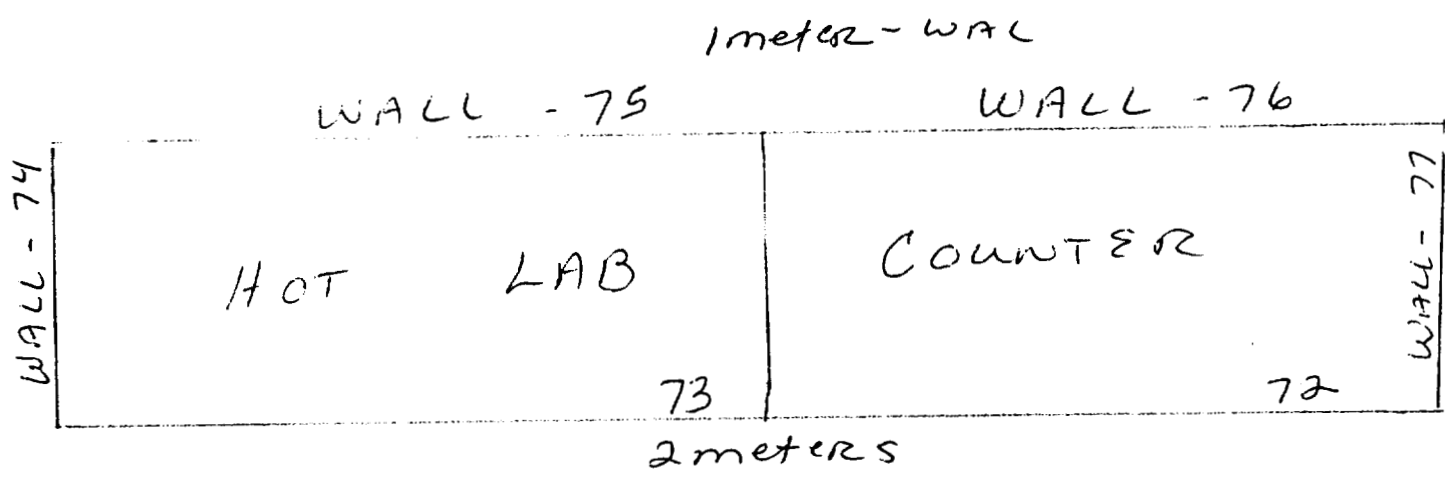
ANALYSIS PERFORMED USING:

Packard Auto-Gamma Scintillation Spectrometer Model #D5003 Serial #406282

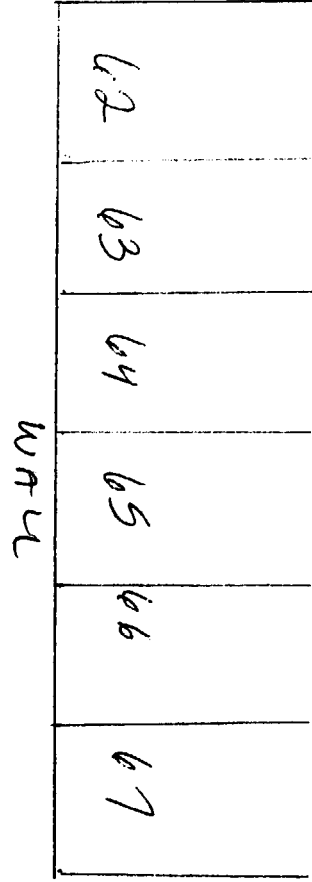
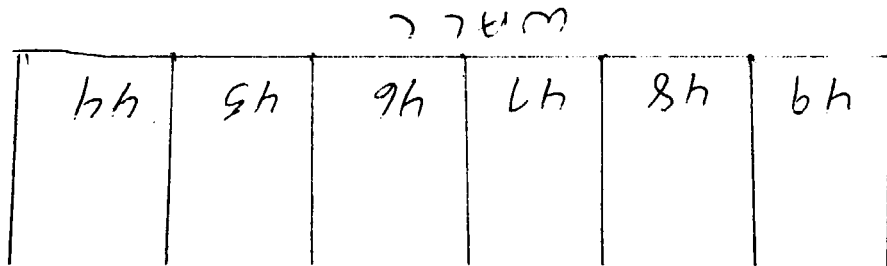
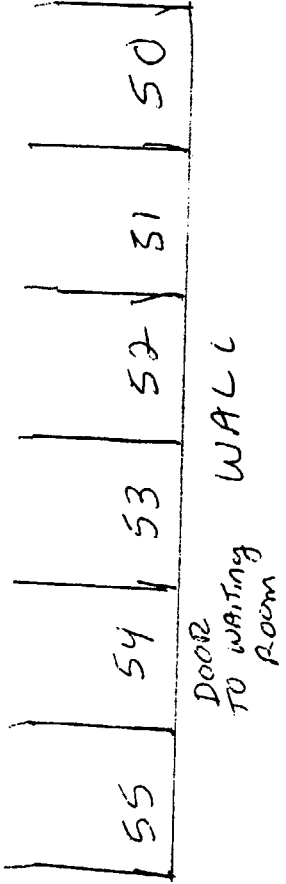
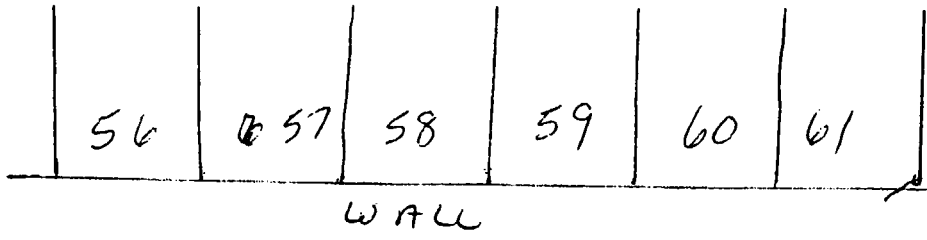
on March 6, 2007

All results < MDA

MDA = 3.45E-5 uCi



1 meter



Stan A. Huber Consultants, Inc.  
200 North Cedar Road  
New Lenox, Illinois 60451

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