

 **Belton Regional** MEDICAL CENTER  
HCA Midwest HEALTH SYSTEM\*

18 October 2012

Nuclear Regulatory Commission Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Re: Decommissioning of Treadmill Room for Belton Regional Medical Center

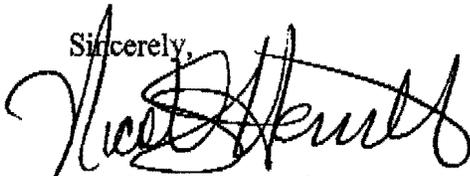
Belton Regional Medical Center, holder of license 24-24405-01, is undergoing expansion and has submitted letters on 20 June and 18 September 2012 regarding moving the treadmill room for Nuclear Medicine stress tests. In each letter, we promised to submit decommissioning information once the move was made. We now wish to submit information on the decommissioning survey of rooms 209 and 210 of Belton Regional Medical Center. The areas have been closed pending formal decommissioning.

The imaging room and stress room were decommissioned by verifying the absence of any forms of radioactivity. This was verified by performing an area radiation survey and wipe tests to detect any residual contamination. No radioactive materials were stored in the area. The rooms were completely emptied of all equipment, furniture and movable objects. The decommissioning report is attached.

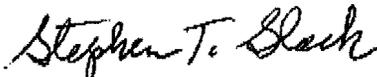
Please amend our license to remove the area identified in the attached report.

If you need to contact us or you need more information, please call Ty Robinson, Director of Radiology, at (816) 348-1200 or Stephen T. Slack, the radiation safety officer at (816) 276-4404.

Sincerely,



Nicole Smith-Hendricks  
Chief Operating Officer



Stephen T. Slack  
Radiation Safety Officer

Enclosure

Decommissioning Report

Printed: 10/15/2012

**REPORT  
DECOMMISSIONING OF NUCLEAR MEDICINE AREA**

<b>Date:</b>	<b>10/04/12</b>
<b>Location of Decommissioning:</b>	<b>Belton Regional Medical Center 17065 South 71 Highway Belton, MO 64012 (Midwest Division - RBH, LLC)</b>
<b>Rooms Decommissioned:</b>	<b>Second floor camera room, second floor stress room</b>
<b>Management Representative:</b>	Nicole Smith-Hendricks
<b>Radiation Safety Officer:</b>	Stephen Slack, Ph.D.
<b>Chair Radiation Safety Comm:</b>	Stephen Slack, Ph.D.
<b>Director of Radiology:</b>	Ty Robinson
<b>Nuclear Medicine Technologist:</b>	Brent Seever
<b>RADIOACTIVE MATERIALS LICENSES</b>	
<b>Nuclear Regulatory Commission Region III</b>	<b>License Number: 24-24405-01 Amendment Number: 22 Expiration Date: 04/30/21</b>
<b>DECOMMISSIONING RESULTS</b>	
1	No radioactive materials were stored in the area decommissioned.
2	The imaging system, stress system and all removable objects were removed from the rooms. The rooms were completely vacated on 09-26-12.
2	No radioactive materials or sources were found during the decommissioning survey.
3	The ambient exposure rate survey was acceptable.
4	The removable contamination survey was acceptable.
<b>Medical Physics Consultant:</b>	<i>Doug Billings</i> <b>Doug Billings, BA, RT(R), CNMT, LRT Diagnostic Technology Consultants, Inc. 5930 Roe Avenue Mission, Kansas 66205</b>
	<b>Date</b> <i>10/4/12</i> <b>(913) 236-8000 (913) 236-6655 FAX</b>
<b>Radiation Safety Officer:</b>	<i>Stephen T. Slack</i> <b>Stephen Slack, Ph.D.</b>
	<b>Date</b> <i>10/16/12</i>

Licensee: Belton Regional Medical Center	License Number: 24-24405-01
Address: 17065 South 71 Highway Belton, MO 64012	Expiration: 04/30/21

### Decommission Data

10/04/12

#### Historical Use:

The area for decommissioning consists of rooms 209 and 210. The rooms were originally used as patient rooms. The rooms are separated by a curtain. Located in each room is a restroom with a sink, toilet and shower. The main area of each room has a sink. The camera/imaging room is in room 210. The stress room is located in room 209.

No radioactive materials or sealed sources were stored in the rooms at any time. The radioactive material used in the stress room consisted of technetium for stress imaging. Thallium has been used for stress procedures during shortages of technetium. No thallium has been used for greater than one year.

The radioactive materials used in the camera/imaging area consisted of a cobalt-57 sealed sheet source for camera QC. Only technetium was used for imaging.

All radioactive waste from dose administration was stored in the hot lab for disposal according to policy. No waste storage containers were located in the area.

#### Equipment and Device Removal:

The rooms were cleared of all equipment, desks, chairs, wall canisters and items that were not permanently fixed in their location.

#### Wipe Survey Procedure:

Each wipe test sample was collected by wiping an alcohol pad over the surface of the areas identified on the diagrams. The wipe sample was secured in the alcohol packet and appropriately identified with the location of the wipe. The wipe samples were then taken to the Diagnostic Technology Consultants, Inc. office for measurement. The wipe samples were placed into the well counter after all required quality control and test measurements were completed. The results of the wipe surveys were then entered into the spread sheet tables in cpm. The dpm was calculated based on the most recent quarterly efficiency testing.

#### Wipe Test Results Evaluation:

No Detectable Activity (NDA) means the wipe count was equal to or less than the Decision Limit  $[BKG + 2.33 \cdot \text{SQRT}(Bkg)]$

#### Area Survey Procedure:

The survey meter pancake probe was passed in a sweeping motion over each area identified on the diagrams. The probe to surface distance was maintained at a minimum distance of less than 3.0 cm. The background level was established by taking a series of area survey readings in the hallway adjacent to the rooms being surveyed. The background survey readings were determined to be  $\leq 3.0$  mR/hr.

#### Area Survey Results and Trigger Level:

The action level was based on any area survey reading exceeding background levels.

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**Survey and Analysis Equipment Parameters**  
**10/04/12**

All Equipment used for surveyers are the property of Diagnostic Technology Consultants, Inc.

**Well Counter**

Manufacturer: Capintec  
Model: Caprac-t  
Serial Number: 10067

Standard Source Information							
Source	Serial No.	Activity (uCi)	Calibration Date	Half-life (Days)	Decay Time (t) (Days)	A(t) (uCi)	A(t) (dpm)
Co-57	13377-66-2	9.81E-02	08/01/09	271.74	1060	6.57E-03	1.46E+04
Ba-133	1036-32-2	1.06E-01	02/01/04	3836.15	3068	6.07E-02	1.35E+05
Co-60	NEN02118	1.21E-01	02/26/80	1925.28	11809	1.72E-03	3.83E+03
Cs-137	962-51-9	9.76E-02	03/01/04	10975.55	3039	8.05E-02	1.79E+05

Minimum Detectable Activity (MDA)					
Analysis Date	Source Count (5 min)	Bkg (min)	Efficiency	MDA (dpm)	MDA (uCi)
06/26/12	68600	1425	0.921	88	3.97E-05
06/26/12	631970	1425	0.936	87	3.91E-05
06/26/12	9300	1425	0.411	197	8.89E-05
06/26/12	270665	1425	0.301	270	1.21E-04

<b>Survey Meter</b>		<b>Probe:</b>	
Manufacturer: Ludlum		Manufacturer: Ludlum	
Model: 14C		Model: 44-9 (pancake)	
Serial Number: 80111		Serial Number: 73930	

Per standard operating procedures, constancy checks using a <sup>137</sup>Cs sealed source are conducted each day prior to using the equipment. To verify constancy, the measured activity must fall within 3% of the calculated standard activity.

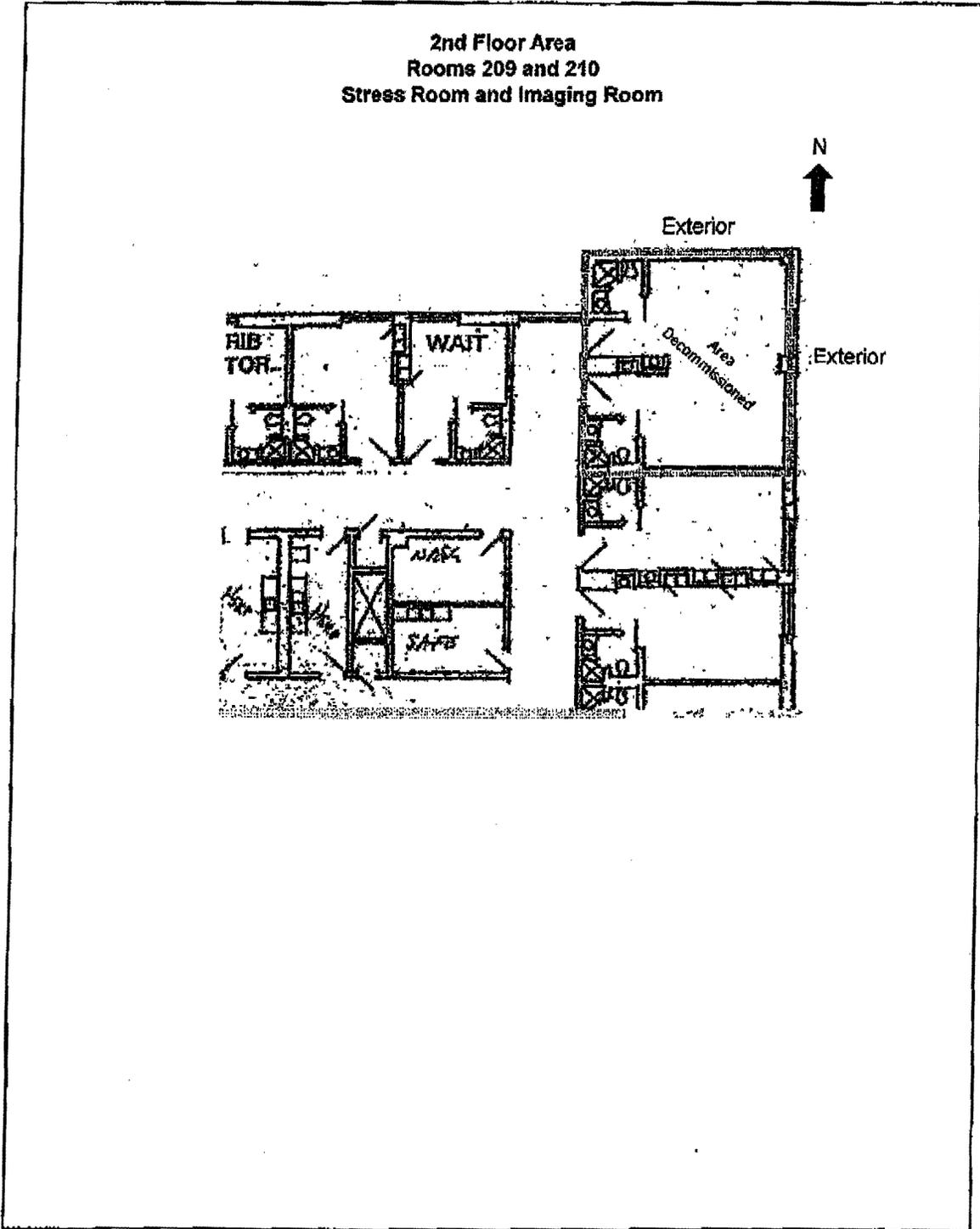
Correction Factors as of March 27, 2012.

Scale Multiplier	Distance (cm)	Calculated mr/hr	Measured (mr/hr)	Correction Factor
1000	37.5	1500	1400	1.07
1000	64.9	500	520	0.96
100	118.5	150	150	1.00
100	205.3	50	50	1.00
10	265.7	15	14	1.07
10	322.6	5	5.2	0.96
1	125.8	1.5	1.5	1.00
1	218	0.5	0.5	1.00
0.1	120.7	0.15	0.15	1.00
0.1	209	0.05	0.05	1.00

Calibrated by Mid-America Calibrations, Inc. 808 SW Nautica Court, Lee's Summit, Missouri 64082, NRC License No. 24-32531-01, with a J.L. Shepherd Model 28-6a calibrator, serial #10018, 1.2 Ci Cs-137, 3M 4F6H, source serial #2824 or a Ludlum Model 500-2 Pulser, serial #127533. The output is traceable to the NBS (N.I.S.T.) and all instruments are calibrated in accordance with MIL-STD 45662A and ANSI N323-1978.

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	Belton, MO 64012		

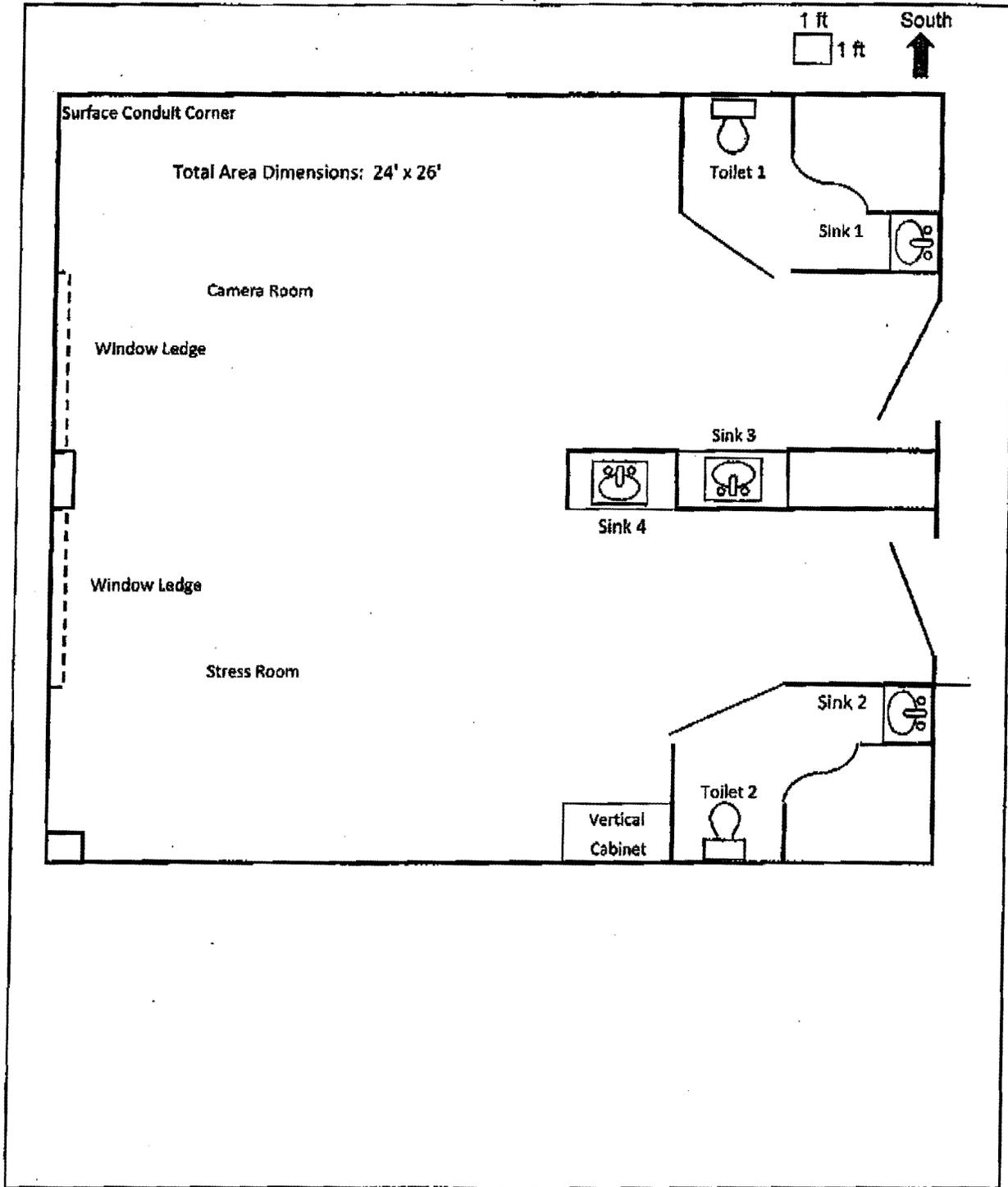
**FACILITY LOCATION DIAGRAM**  
**10/04/12**



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**Room Diagram and Area Identification**

10/04/12



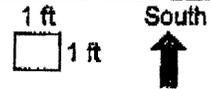
Licensee: <b>Belton Regional Medical Center</b> Address: <b>17065 South 71 Highway</b> <b>Belton, MO 64012</b>	License Number: <b>24-24405-01</b> Expiration: <b>04/30/21</b>
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### Hot Lab Wipe and Survey Locations

10/04/12

#### Area Survey and Wipe Survey Floor Locations

Wipe and Survey areas: 2' x 2' quadrants for most areas

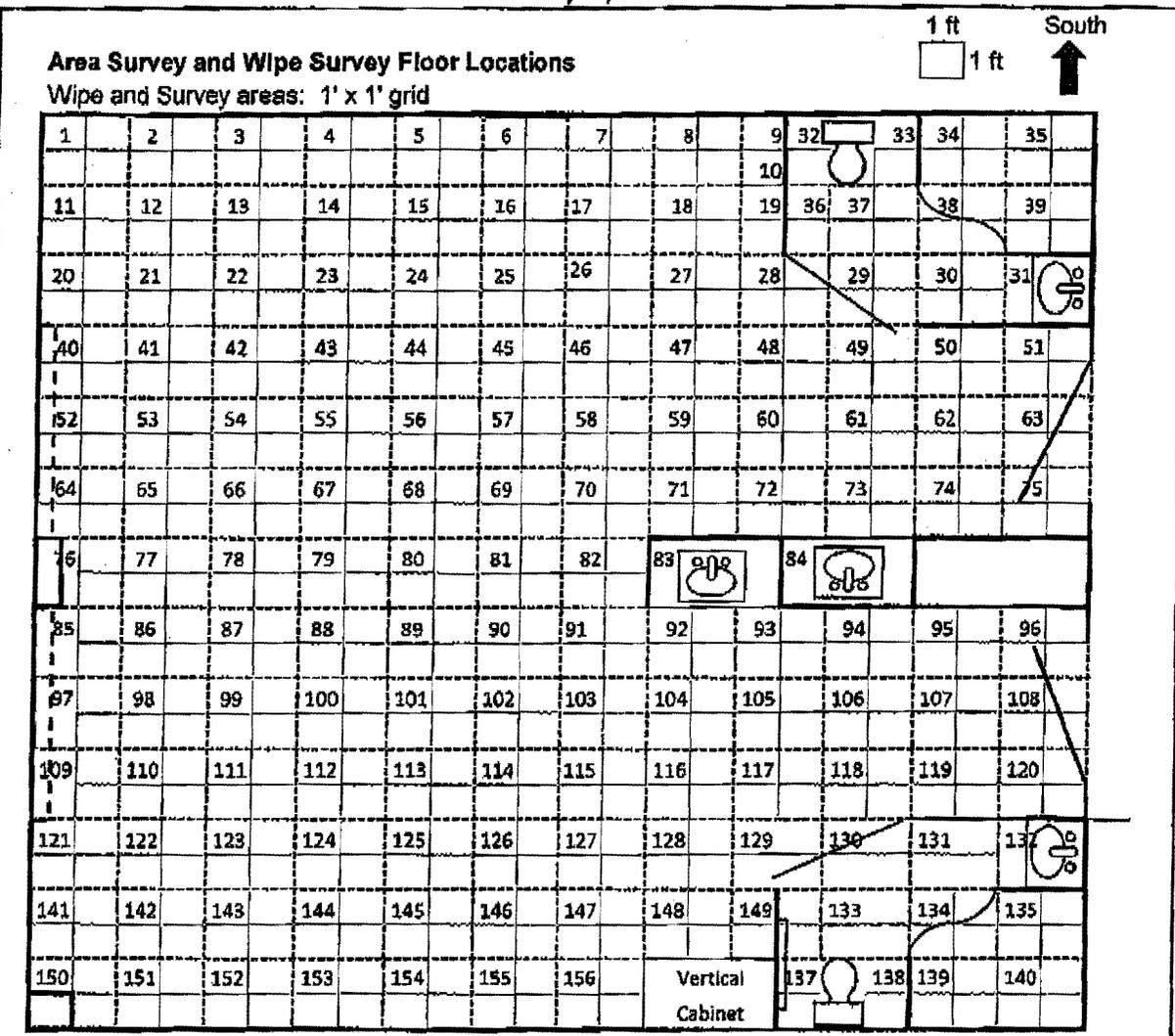


1	2	3	4	5	6	7	8	9	32	33	34	35	
10	11	12	13	14	15	16	17	18	19	36	37	38	39
20	21	22	23	24	25	26	27	28	29	30	31	32	
40	41	42	43	44	45	46	47	48	49	50	51	52	
53	54	55	56	57	58	59	60	61	62	63	64	65	
66	67	68	69	70	71	72	73	74	75	76	77	78	
79	80	81	82	83	84	85	86	87	88	89	90	91	
92	93	94	95	96	97	98	99	100	101	102	103	104	
105	106	107	108	109	110	111	112	113	114	115	116	117	
118	119	120	121	122	123	124	125	126	127	128	129	130	
131	132	133	134	135	136	137	138	139	140	141	142	143	
144	145	146	147	148	149	150	Vertical Cabinet	151	152	153	154	155	

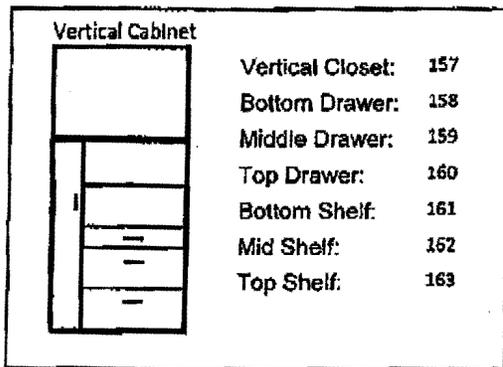
Vertical Cabinet 	Vertical Closet: 157 Bottom Drawer: 158 Middle Drawer: 159 Top Drawer: 160 Bottom Shelf: 161 Mid Shelf: 162 Top Shelf: 163
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### Hot Lab Wipe and Survey Locations 10/04/12



136 - surface of RR heater



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**Additional Wipe and Survey Locations**  
 10/04/12

**South Window Ledge**

164	165
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**North Window Ledge**

166	167
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**Rest room 1**

Sink counter	173
Sink Basin	174
Towel Dispenser	175
Soap Dispenser	176
Shower Fixtures	177
Toilet	178
Door Handles	179
Switch Plates	180

**Rest room 2**

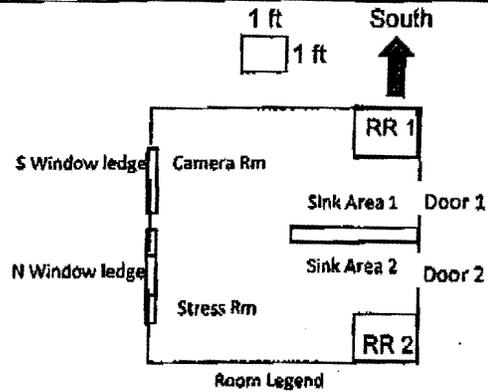
Sink counter	181
Sink Basin	182
Towel Dispenser	183
Soap Dispenser	184
Shower Fixtures	185
Toilet	186
Door Handles	187
Switch Plates	188

**Camera Rm/Sink Area 1**

Towel Dispenser	189
Soap Dispenser	190
Switch Plates	191
Entry Door	192
Gases Wall Plates	193
Sharps/Thermostat	194
Wall Dispensers	195
Wires/Cords	196

**Stress Rm/Sink Area 2**

Towel Dispenser	197
Soap Dispenser	198
Switch Plates	199
Entry Door	200
Gases Wall Plates	201
Sharps Container	202
Glove shelf holder	203
Wall Brackets	204
Thermostat	205



No surveys for 168, 169, 170, 171

Decommissioning Report

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**RADIATION SURVEY - Page 1 of 3**  
 10/04/12

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
Background				0.03	287		
1	Cam Rm	Floor	Restricted	0.03	313	NDA	PASS
2	Cam Rm	Floor	Restricted	0.03	313	NDA	PASS
3	Cam Rm	Floor	Restricted	0.03	295	NDA	PASS
4	Cam Rm	Floor	Restricted	0.03	295	NDA	PASS
5	Cam Rm	Floor	Restricted	0.03	293	NDA	PASS
6	Cam Rm	Floor	Restricted	0.03	293	NDA	PASS
7	Cam Rm	Floor	Restricted	0.03	293	NDA	PASS
8	Cam Rm	Floor	Restricted	0.03	316	NDA	PASS
9	Cam Rm	Floor	Restricted	0.03	316	NDA	PASS
10	Cam Rm	Floor	Restricted	0.03	316	NDA	PASS
11	Cam Rm	Floor	Restricted	0.03	316	NDA	PASS
12	Cam Rm	Floor	Restricted	0.03	280	NDA	PASS
13	Cam Rm	Floor	Restricted	0.03	280	NDA	PASS
14	Cam Rm	Floor	Restricted	0.03	280	NDA	PASS
15	Cam Rm	Floor	Restricted	0.03	301	NDA	PASS
16	Cam Rm	Floor	Restricted	0.03	301	NDA	PASS
17	Cam Rm	Floor	Restricted	0.03	301	NDA	PASS
18	Cam Rm	Floor	Restricted	0.03	271	NDA	PASS
19	Cam Rm	Floor	Restricted	0.03	271	NDA	PASS
20	Cam Rm	Floor	Restricted	0.03	271	NDA	PASS
21	Cam Rm	Floor	Restricted	0.03	271	NDA	PASS
22	Cam Rm	Floor	Restricted	0.03	310	NDA	PASS
23	Cam Rm	Floor	Restricted	0.03	310	NDA	PASS
24	Cam Rm	Floor	Restricted	0.03	310	NDA	PASS
25	Cam Rm	Floor	Restricted	0.03	282	NDA	PASS
26	Cam Rm	Floor	Restricted	0.03	282	NDA	PASS
27	Cam Rm	Floor	Restricted	0.03	282	NDA	PASS
28	Cam Rm	Floor	Restricted	0.03	311	NDA	PASS
29	RR 1	Floor	Restricted	0.03	311	NDA	PASS
30	RR 1	Floor	Restricted	0.03	311	NDA	PASS
31	RR 1	Floor	Restricted	0.03	297	NDA	PASS
32	RR 1	Floor	Restricted	0.03	297	NDA	PASS
33	RR 1	Floor	Restricted	0.03	297	NDA	PASS
34	RR 1	Floor	Restricted	0.03	301	NDA	PASS
35	RR 1	Floor	Restricted	0.03	301	NDA	PASS
36	RR 1	Floor	Restricted	0.03	301	NDA	PASS
37	RR 1	Floor	Restricted	0.03	316	NDA	PASS
38	RR 1	Floor	Restricted	0.03	316	NDA	PASS
39	RR 1	Floor	Restricted	0.03	316	NDA	PASS
40	Cam Rm	Floor	Restricted	0.03	338	NDA	PASS
41	Cam Rm	Floor	Restricted	0.03	338	NDA	PASS
42	Cam Rm	Floor	Restricted	0.03	338	NDA	PASS
43	Cam Rm	Floor	Restricted	0.03	282	NDA	PASS
44	Cam Rm	Floor	Restricted	0.03	282	NDA	PASS
45	Cam Rm	Floor	Restricted	0.03	282	NDA	PASS

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
Background				0.03	287		
46	Cam Rm	Floor	Restricted	0.03	290	NDA	PASS
47	Cam Rm	Floor	Restricted	0.03	290	NDA	PASS
48	Cam Rm	Floor	Restricted	0.03	290	NDA	PASS
49	Cam Rm	Floor	Restricted	0.03	332	NDA	PASS
50	Cam Rm	Floor	Restricted	0.03	332	NDA	PASS
51	Cam Rm	Floor	Restricted	0.03	332	NDA	PASS
52	Cam Rm	Floor	Restricted	0.03	303	NDA	PASS
53	Cam Rm	Floor	Restricted	0.03	303	NDA	PASS
54	Cam Rm	Floor	Restricted	0.03	303	NDA	PASS
55	Cam Rm	Floor	Restricted	0.03	295	NDA	PASS
56	Cam Rm	Floor	Restricted	0.03	295	NDA	PASS
57	Cam Rm	Floor	Restricted	0.03	295	NDA	PASS
58	Cam Rm	Floor	Restricted	0.03	316	NDA	PASS
59	Cam Rm	Floor	Restricted	0.03	316	NDA	PASS
60	Cam Rm	Floor	Restricted	0.03	308	NDA	PASS
61	Cam Rm	Floor	Restricted	0.03	308	NDA	PASS
62	Cam Rm	Floor	Restricted	0.03	318	NDA	PASS
63	Cam Rm	Floor	Restricted	0.03	318	NDA	PASS
64	Cam Rm	Floor	Restricted	0.03	300	NDA	PASS
65	Cam Rm	Floor	Restricted	0.03	300	NDA	PASS
66	Cam Rm	Floor	Restricted	0.03	279	NDA	PASS
67	Cam Rm	Floor	Restricted	0.03	279	NDA	PASS
68	Cam Rm	Floor	Restricted	0.03	279	NDA	PASS
69	Cam Rm	Floor	Restricted	0.03	323	NDA	PASS
70	Cam Rm	Floor	Restricted	0.03	323	NDA	PASS
71	Cam Rm	Floor	Restricted	0.03	323	NDA	PASS
72	Cam Rm	Floor	Restricted	0.03	300	NDA	PASS
73	Cam Rm	Floor	Restricted	0.03	300	NDA	PASS
74	Cam Rm	Floor	Restricted	0.03	300	NDA	PASS
75	Cam Rm	Floor	Restricted	0.03	296	NDA	PASS
76	Cam Rm	Floor	Restricted	0.03	296	NDA	PASS
77	Cam Rm	Floor	Restricted	0.03	296	NDA	PASS
78	Cam Rm	Floor	Restricted	0.03	276	NDA	PASS
79	Cam Rm	Floor	Restricted	0.03	276	NDA	PASS
80	Cam Rm	Floor	Restricted	0.03	276	NDA	PASS
81	Cam Rm	Floor	Restricted	0.03	296	NDA	PASS
82	Cam Rm	Floor	Restricted	0.03	296	NDA	PASS
83	Sink 4	Floor	Restricted	0.03	296	NDA	PASS
84	Sink 3	Floor	Restricted	0.03	332	NDA	PASS
85	Stress Rm	Floor	Restricted	0.03	332	NDA	PASS
86	Str Rm	Floor	Restricted	0.03	332	NDA	PASS
87	Str Rm	Floor	Restricted	0.03	306	NDA	PASS
88	Str Rm	Floor	Restricted	0.03	306	NDA	PASS
89	Str Rm	Floor	Restricted	0.03	306	NDA	PASS
90	Str Rm	Floor	Restricted	0.03	295	NDA	PASS

Cam Rm = Camera Room, RR 1 = Restroom in Camera Room, Sink 3 = sink in camera room, Sink 4 = Sink in Stress Room

Survey Performed By:	Doug Billings, CNMT	Background Count:	287
Survey Performed On:	10/04/12	Delta1 (net counts):	39
Wipe Test Samples Counted By:	Theresa Slika	Delta2 (net counts):	81
Wipe Test Samples Counted On:	10/04/12	Decision Limit (L <sub>c</sub> ):	388

Decommissioning Report

Printed: 10/4/2012

Licensee: Belton Regional Medical Center	License Number: 24-24405-01
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Belton, MO 64012	

**RADIATION SURVEY - Page 2 of 3**  
10/04/12

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
			Background	0.03	287		
91	Str Rm	Floor	Restricted	0.03	295	NDA	PASS
92	Str Rm	Floor	Restricted	0.03	295	NDA	PASS
93	Str Rm	Floor	Restricted	0.03	292	NDA	PASS
94	Str Rm	Floor	Restricted	0.03	292	NDA	PASS
95	Str Rm	Floor	Restricted	0.03	292	NDA	PASS
96	Str Rm	Floor	Restricted	0.03	300	NDA	PASS
97	Str Rm	Floor	Restricted	0.03	300	NDA	PASS
98	Str Rm	Floor	Restricted	0.03	300	NDA	PASS
99	Str Rm	Floor	Restricted	0.03	308	NDA	PASS
100	Str Rm	Floor	Restricted	0.03	308	NDA	PASS
101	Str Rm	Floor	Restricted	0.03	308	NDA	PASS
102	Str Rm	Floor	Restricted	0.03	325	NDA	PASS
103	Str Rm	Floor	Restricted	0.03	325	NDA	PASS
104	Str Rm	Floor	Restricted	0.03	325	NDA	PASS
105	Str Rm	Floor	Restricted	0.03	308	NDA	PASS
106	Str Rm	Floor	Restricted	0.03	308	NDA	PASS
107	Str Rm	Floor	Restricted	0.03	308	NDA	PASS
108	Str Rm	Floor	Restricted	0.03	287	NDA	PASS
109	Str Rm	Floor	Restricted	0.03	287	NDA	PASS
110	Str Rm	Floor	Restricted	0.03	287	NDA	PASS
111	Str Rm	Floor	Restricted	0.03	277	NDA	PASS
112	Str Rm	Floor	Restricted	0.03	277	NDA	PASS
113	Str Rm	Floor	Restricted	0.03	277	NDA	PASS
114	Str Rm	Floor	Restricted	0.03	281	NDA	PASS
115	Str Rm	Floor	Restricted	0.03	281	NDA	PASS
116	Str Rm	Floor	Restricted	0.03	281	NDA	PASS
117	Str Rm	Floor	Restricted	0.03	289	NDA	PASS
118	Str Rm	Floor	Restricted	0.03	289	NDA	PASS
119	Str Rm	Floor	Restricted	0.03	289	NDA	PASS
120	Str Rm	Floor	Restricted	0.03	269	NDA	PASS
121	Str Rm	Floor	Restricted	0.03	269	NDA	PASS
122	Str Rm	Floor	Restricted	0.03	269	NDA	PASS
123	Str Rm	Floor	Restricted	0.03	314	NDA	PASS
124	Str Rm	Floor	Restricted	0.03	314	NDA	PASS
125	Str Rm	Floor	Restricted	0.03	314	NDA	PASS
126	Str Rm	Floor	Restricted	0.03	297	NDA	PASS
127	Str Rm	Floor	Restricted	0.03	297	NDA	PASS
128	Str Rm	Floor	Restricted	0.03	297	NDA	PASS
129	Str Rm	Floor	Restricted	0.03	316	NDA	PASS
130	RR 2	Floor	Restricted	0.03	316	NDA	PASS
131	RR 2	Floor	Restricted	0.03	316	NDA	PASS
132	RR 2	Floor	Restricted	0.03	290	NDA	PASS
133	RR 2	Floor	Restricted	0.03	290	NDA	PASS
134	RR 2	Floor	Restricted	0.03	290	NDA	PASS
135	RR 2	Floor	Restricted	0.03	301	NDA	PASS

Str Rm - Stress Room, RR 2 = Restroom in Stress Room

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
			Background	0.03	287		
136	RR 2	Base Heater	Restricted	0.03	301	NDA	PASS
137	RR 2	Floor	Restricted	0.03	301	NDA	PASS
138	RR 2	Floor	Restricted	0.03	299	NDA	PASS
139	RR 2	Floor	Restricted	0.03	299	NDA	PASS
140	RR 2	Floor	Restricted	0.03	299	NDA	PASS
141	Str Rm	Floor	Restricted	0.03	292	NDA	PASS
142	Str Rm	Floor	Restricted	0.03	292	NDA	PASS
143	Str Rm	Floor	Restricted	0.03	292	NDA	PASS
144	Str Rm	Floor	Restricted	0.03	278	NDA	PASS
145	Str Rm	Floor	Restricted	0.03	278	NDA	PASS
146	Str Rm	Floor	Restricted	0.03	278	NDA	PASS
147	Str Rm	Floor	Restricted	0.03	252	NDA	PASS
148	Str Rm	Floor	Restricted	0.03	252	NDA	PASS
149	Str Rm	Floor	Restricted	0.03	252	NDA	PASS
150	Str Rm	Floor	Restricted	0.03	302	NDA	PASS
151	Str Rm	Floor	Restricted	0.03	302	NDA	PASS
152	Str Rm	Floor	Restricted	0.03	302	NDA	PASS
153	Str Rm	Floor	Restricted	0.03	291	NDA	PASS
154	Str Rm	Floor	Restricted	0.03	291	NDA	PASS
155	Str Rm	Floor	Restricted	0.03	291	NDA	PASS
156	Str Rm	Floor	Restricted	0.03	292	NDA	PASS
157	Str Rm	Vert Closet	Restricted	0.03	292	NDA	PASS
158	Str Rm	Bottom draw	Restricted	0.03	292	NDA	PASS
159	Str Rm	Middle draw	Restricted	0.03	289	NDA	PASS
160	Str Rm	Top drawer	Restricted	0.03	289	NDA	PASS
161	Str Rm	Bot Shelf	Restricted	0.03	289	NDA	PASS
162	Str Rm	Top Shelf	Restricted	0.03	263	NDA	PASS
163	Str Rm	Cab hardware	Restricted	0.03	263	NDA	PASS
164	Cam Rm	Wndw Ledge	Restricted	0.03	294	NDA	PASS
165	Cam Rm	Wndw Ledge	Restricted	0.03	294	NDA	PASS
166	Str Rm	Wndw Ledge	Restricted	0.03	304	NDA	PASS
167	Str Rm	Wndw Ledge	Restricted	0.03	304	NDA	PASS
168			No survey area surface conduit removed				
169			No survey area surface conduit removed				
170			No survey area surface conduit removed				
171			No survey area surface conduit removed				
172	Cam Rm	Breaker Panel	Restricted	0.03	273	NDA	PASS
173	RR 1	Sink Ctr	Restricted	0.03	273	NDA	PASS
174	RR 1	Sink Basin	Restricted	0.03	273	NDA	PASS
175	RR 1	Towel Disp	Restricted	0.03	318	NDA	PASS
176	RR 1	Soap Disp	Restricted	0.03	318	NDA	PASS
177	RR 1	Shwr Fixture	Restricted	0.03	318	NDA	PASS
178	RR 1	Toilet	Restricted	0.03	267	NDA	PASS
179	RR 1	Door Handles	Restricted	0.03	267	NDA	PASS
180	RR 1	Switch plates	Restricted	0.03	267	NDA	PASS

Survey Performed By:	Doug Billings, CNMT	Background Count:	287
Survey Performed On:	10/04/12	Delta1 (net counts):	39
Wipe Test Samples Counted By:	Theresa Stlka	Delta2 (net counts):	81
Wipe Test Samples Counted On:	10/04/12	Decision Limit (L <sub>c</sub> ):	368

Decommissioning Report

Printed: 10/4/2012

Licensee: Belton Regional Medical Center	License Number: 24-24405-01
Address: 17065 South 71 Highway	Expiration: 04/30/21
Belton, MO 64012	

**RADIATION SURVEY**  
10/04/12

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
		Background		0.03	287		
181	RR 2	Sink Ctr	Restricted	0.03	267	NDA	PASS
182	RR 2	Sink Basin	Restricted	0.03	298	NDA	PASS
183	RR 2	Towel Disp	Restricted	0.03	288	NDA	PASS
184	RR 2	Soap Disp	Restricted	0.03	288	NDA	PASS
185	RR 2	Shwr Fixture	Restricted	0.03	309	NDA	PASS
186	RR 2	Toilet	Restricted	0.03	309	NDA	PASS
187	RR 2	Door Handles	Restricted	0.03	309	NDA	PASS
188	RR 2	Switch Plates	Restricted	0.03	296	NDA	PASS
189	Cam Rm	Towel	Restricted	0.03	296	NDA	PASS
190	Cam Rm	Soap Disp	Restricted	0.03	296	NDA	PASS
191	Cam Rm	Switch Plates	Restricted	0.03	297	NDA	PASS
192	Cam Rm	Entry Door	Restricted	0.03	297	NDA	PASS
193	Cam Rm	Gases Plates	Restricted	0.03	297	NDA	PASS
194	Cam Rm	Thermostat	Restricted	0.03	287	NDA	PASS
195	Cam Rm	Sharps/Wall	Restricted	0.03	287	NDA	PASS
196	Cam Rm	Wires/Cords	Restricted	0.03	287	NDA	PASS
197	Str Rm	Towel	Restricted	0.03	285	NDA	PASS
198	Str Rm	Soap Disp	Restricted	0.03	285	NDA	PASS
199	Str Rm	Switch Plates	Restricted	0.03	285	NDA	PASS
200	Str Rm	Entry Door	Restricted	0.03	308	NDA	PASS
201	Str Rm	Gases Plates	Restricted	0.03	308	NDA	PASS
202	Str Rm	Sharps cont	Restricted	0.03	308	NDA	PASS
203	Str Rm	Glove Shelf	Restricted	0.03	298	NDA	PASS
204	Str Rm	Wall Bracket	Restricted	0.03	298	NDA	PASS
205	Str Rm	Thermostat	Restricted	0.03	298	NDA	PASS

SURVEY				Radiation Survey			Results
No.	Room	Location	Area	Ambient (mR/hr)	Wipe (cpm)	Wipe (dpm)	
		Background		0.03	287		

RR 2 = Stress room restroom, Cam Rm = Camera Room, Str Rm = Stress Room

Survey Performed By:	Doug Billings, CNMT	Background Count:	287
Survey Performed On:	10/04/12	Delta1 (net counts):	39
Wipe Test Samples Counted By:	Theresa Stika	Delta2 (net counts):	81
Wipe Test Samples Counted On:	10/04/12	Decision Limit (L <sub>d</sub> ):	368

Method: Each leak test sample was collected by wiping an alcohol pad over the exposed surface of the source.

No Detectable Activity (NDA): Wipe count equal to or less than the Decision Limit (Bkg + 2.33\*SQRT(Bkg))



# Belton Regional MEDICAL CENTER

HCA Midwest HEALTH SYSTEM

Date: October 18, 2012

Number of pages: 12

Time: 1030

To:

Company: Nuclear Regulatory Commission Region III

Fax #: 630-515-1078

From: Ty Robinson, Medical Imaging Director

Company: Belton Regional Medical Center

Fax : 816-348-1296

Voice #: 816-348-1224

If you do not receive all pages, please contact at voice number.

**Comments:**

**Decommissioning report for stress test treadmill room at**

**Belton Regional Medical Center**

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