



Children's Mercy

HOSPITALS & CLINICS

www.childrens-mercy.org

Department of Radiology

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October 20, 2006

Nuclear Regulatory Commission, Region III
Medical Licensing Division
2443 Warrenville Road
Lisle, IL 60532-4351

To Whom It May Concern:

Please amend our Radioactive Materials License #24-15513-01 (Children's Mercy Hospital; 2401 Gillham Road; Kansas City, MO 64108) to include the following physical changes in our Restricted Areas of Use:

1. Due to the new regulations allowing us to dispose of radioactive waste once it is at background, we are no longer in need of our waste storage area. We would like to amend our license to remove the waste storage area in the basement of Children's Mercy Hospital room 03.03.18.
2. The results of the decommissioning performed on October 10, 2006 are included with this correspondence for your review. As you can see, all of the area surveys and wipes fell within required levels. This room is no longer in use.

If you should have any questions or need additional information, please contact our Health Physicist, Marcia West at 816-807-8090 or by fax at 816-966-2040. Your attention to this matter is greatly appreciated.

Sincerely:

Nanci Burchell
Radiation Safety Officer

Frank P. Morello, MD
Radiologist-in-Chief
Katherine M. Gyves-Ray, MD
Lisa H. Lowe, MD
Megan E. McDonald, DO
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M. Craig Morris, MD
Cynthia N.R. Taylor, MD
Steven T. Welch, MD
Carliss J. Panis, BA, RT (R),
Administrative Director

Close-out Wipe Tests

Date: 10-10-2006
Licensee: Children's Mercy Hospital; Kansas City, MO
Instrument: Cobra II Auto Gamma NaI MCA
Location: Storage Room

<u>Location</u>	<u>Results</u>
1. Background	< 200 dpm / 100 cm ²
2. Floor	< 200 dpm / 100 cm ²
3. Floor	< 200 dpm / 100 cm ²
4. Floor	< 200 dpm / 100 cm ²
5. Floor	< 200 dpm / 100 cm ²
6. Floor	< 200 dpm / 100 cm ²
7. Floor	< 200 dpm / 100 cm ²
8. Floor	< 200 dpm / 100 cm ²
9. Floor	< 200 dpm / 100 cm ²
10. Floor	< 200 dpm / 100 cm ²
11. Sink	< 200 dpm / 100 cm ²
12.	
13.	
14.	
15.	
16.	
17.	
18.	
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21.	
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Completed by: 
 For: Cardinal Health Nebraska Registry #50

Remarks: The above close-out wipe tests were acquired of the assigned areas. The sample areas consisted of a contiguous wipe from a 3' x 3' area or approximately 8361 cm². Please see the attached print-out that lists the cpm and dpm.



Close-out Area Surveys

Date: 10-10-2006
Licensee: Children's Mercy Hospital; Kansas City, MO
Instrument Model: Ludlum MicroR Model 19 **Serial Number:** 169637 **Calibration date:** 04-12-2006
Location: Storage Room

<u>Location</u>	<u>Results</u>
1. Background	9-11 μ R
2. Floor	9-11 μ R
3. Floor	9-11 μ R
4. Floor	9-11 μ R
5. Floor	9-11 μ R
6. Floor	9-11 μ R
7. Floor	9-11 μ R
8. Floor	9-11 μ R
9. Floor	9-11 μ R
10. Floor	9-11 μ R
11. Sink	9-11 μ R
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
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21.	
22.	
23.	
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Completed by: *[Signature]*
 For: Cardinal Health Nebraska Registry #50

Results: The above area surveys were acquired of the assigned areas with a micro R meter. None of the areas exceeded the room background reading of 9-11 μ R.



Tech ID: MP
 CH N'S MERCY HOSPITAL; KANSAS CITY, MO (DECOM)
 Count Time(minutes): 1.00
 Assay Type: CPM
 Background Subtract : IPA Bkg
 Outlier: 5.0 FLAG
 Dilution Operator : †
 XSpillop: 0.00
 XSpilldown: 0.00
 Screening: OFF

	Window A		Window B		Window C	
Nuclide:	MAN	15 - 1000 keV	MAN	264 - 464 keV	MAN	15 - 2000 keV
Bkg:	370		86.5		439	
Sigma:	0.00		0.00		0.00	
LCR:	0		0		0	
Half Life(hours):	0.00		0.00			
Multiplier:	2.0000					
XCV Flag Limit:	0.00		0.00			

S#	TIME	A:CPM	B:CPM	C:CPM	CCPM	PAT/ID
1	1.00	0	0	0	0	BACKGROUND
2	1.00	0	0	19	1	FLOOR
3	1.00	17	0	22	35	FLOOR
4	1.00	0	0	4	0	FLOOR
5	1.00	0	0	3	0	FLOOR
6	1.00	0	3	9	0	FLOOR
7	1.00	0	0	0	0	FLOOR
8	1.00	0	0	0	1	FLOOR
9	1.00	0	20	4	0	FLOOR
10	1.00	0	0	5	0	FLOOR
11	1.00	24	12	32	49	SINK

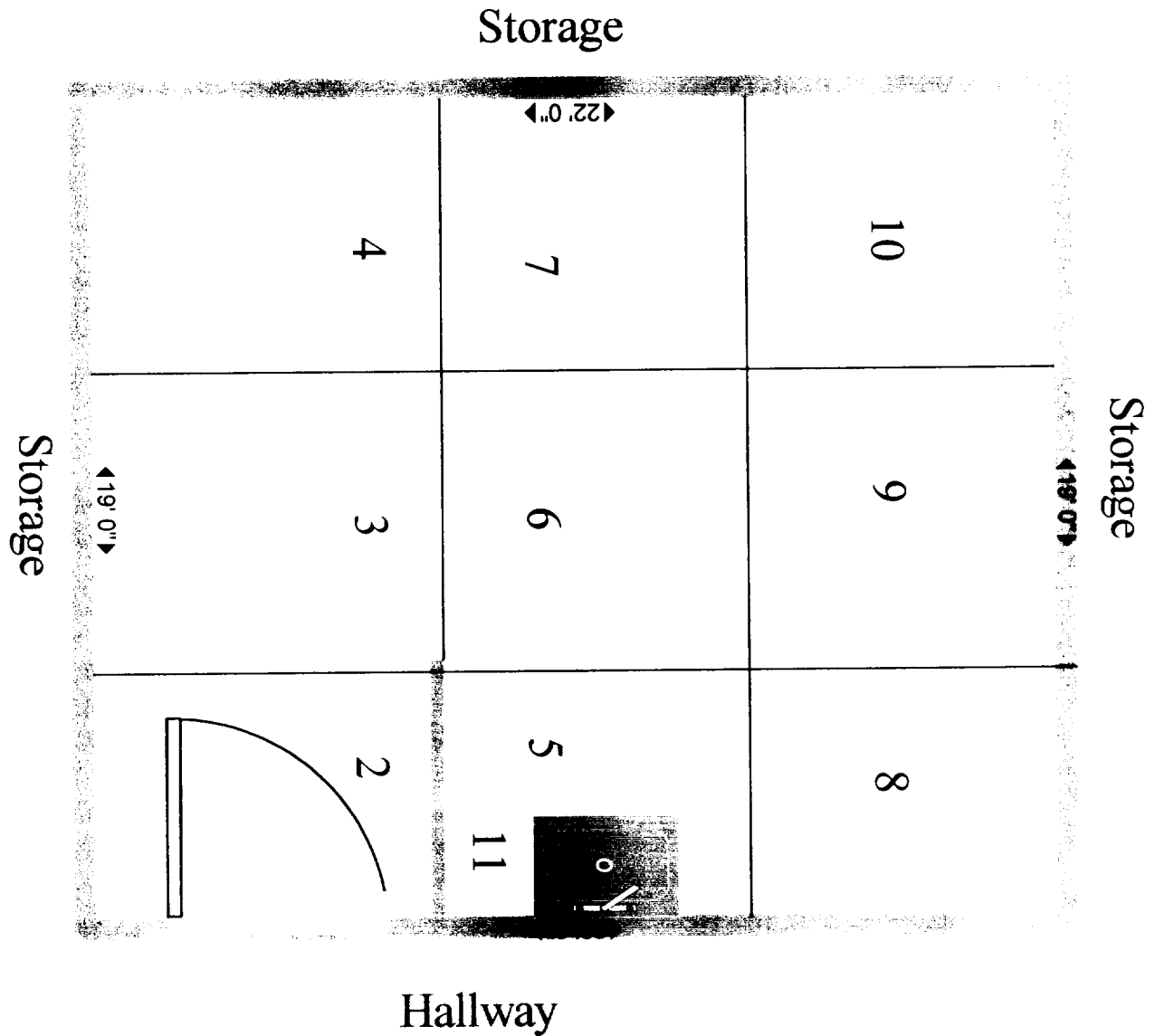
S#	TIME	CPMA	DFM1	MDA at 95% CL:
1	1.00	0		
2	1.00	0	0	2.7 cpm above background.
3	1.00	17	35	
4	1.00	0	0	
5	1.00	0	0	
6	1.00	0	0	
7	1.00	0	0	
8	1.00	0	0	
9	1.00	0	0	
10	1.00	0	0	
11	1.00	24	49	

Decommissioning Report

Children's Mercy Hospital Waste Storage Area

Scale: 2 Feet = 1 Foot

*NOTE: The only Radioactive Material stored for decay in this area was I-125.
All waste was disposed of properly



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Department of Radiology
2401 Gillham Road
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FIRST CLASS



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