

FROM: RADIATION ONCOLOGY TO: 916305151078PP252025 02/26/2014 17:10:42 #25803 P.002/006

2800 Clay Edwards Drive  
North Kansas City, MO  
64116-3220(816) 691-2000  
www.nkch.org

February 26, 2014

Toye Simmons  
Nuclear Regulatory Commission Region III  
Materials Licensing Branch  
2443 Warrenville Road,  
Lisle, Illinois 60532-4352

Re: NRC Materials License Number 24-18628-01

Dear Ms Simmons:

This regards our telephone conversation of February 20, 2014 concerning our amendment request to decommission Suite 521 dated January 3, 2014. The last routine wipe tests and survey was inadvertently left out. It is now attached to this correspondence. As discussed, the street address needed to be changed on the final wipe tests and survey and also on the room diagram (from 2800 Clay Edwards Dr to 2790 Clay Edwards Dr). These changes have been made and are now attached. Finally, the wipe tests column headers have been changed from CPM to DPM, which is what was actually reported.

I would also like to confirm that only 35,200 materials were used in this area, known in-house as Non Invasive Cardiology or Suite 521.

Sincerely,

A handwritten signature in black ink that reads "Martin Richman".

Martin Richman, M.S.  
Radiation Safety Officer  
North Kansas City Hospital  
2800 Clay Edwards Dr  
North Kansas City, MO 64116  
816 691 5343 (Dept)  
913 706 9200 (Cell)  
Martin.Richman@nkch.org

## Enclosures:

1. Final wipe tests and survey
2. Room diagram
3. Last routine wipe tests and survey

Survey and Wipe Test Results  
 Non Invasive Cardiology  
 2790 Clay Edwards Dr.  
 5<sup>th</sup> Floor Suite 521

December 5, 2013

Capintec Caprac  
 Cs-137 404  $\mu$ Ci 12/5/2013 242,100 CPM  
 Background 579 DPM

Ludlum Model 14C GM #  
 Background Reading: <0.02 mR/hr

Nuclear Camera 1	DPM	Removable Activity $\mu$ Ci	Survey mR/hr
Location 1 sink	574	<.005	<0.02
Location 2 workspace	574	<.005	<0.02
Location 3 SE corner	616	<.005	<0.02
Location 4 Entrance	616	<.005	<0.02
Location 5 NE corner	645	<.005	<0.02
Location 6 N side	645	<.005	<0.02
Location 7 NW corner	660	<.005	<0.02
Location 8 Cam location	660	<.005	<0.02

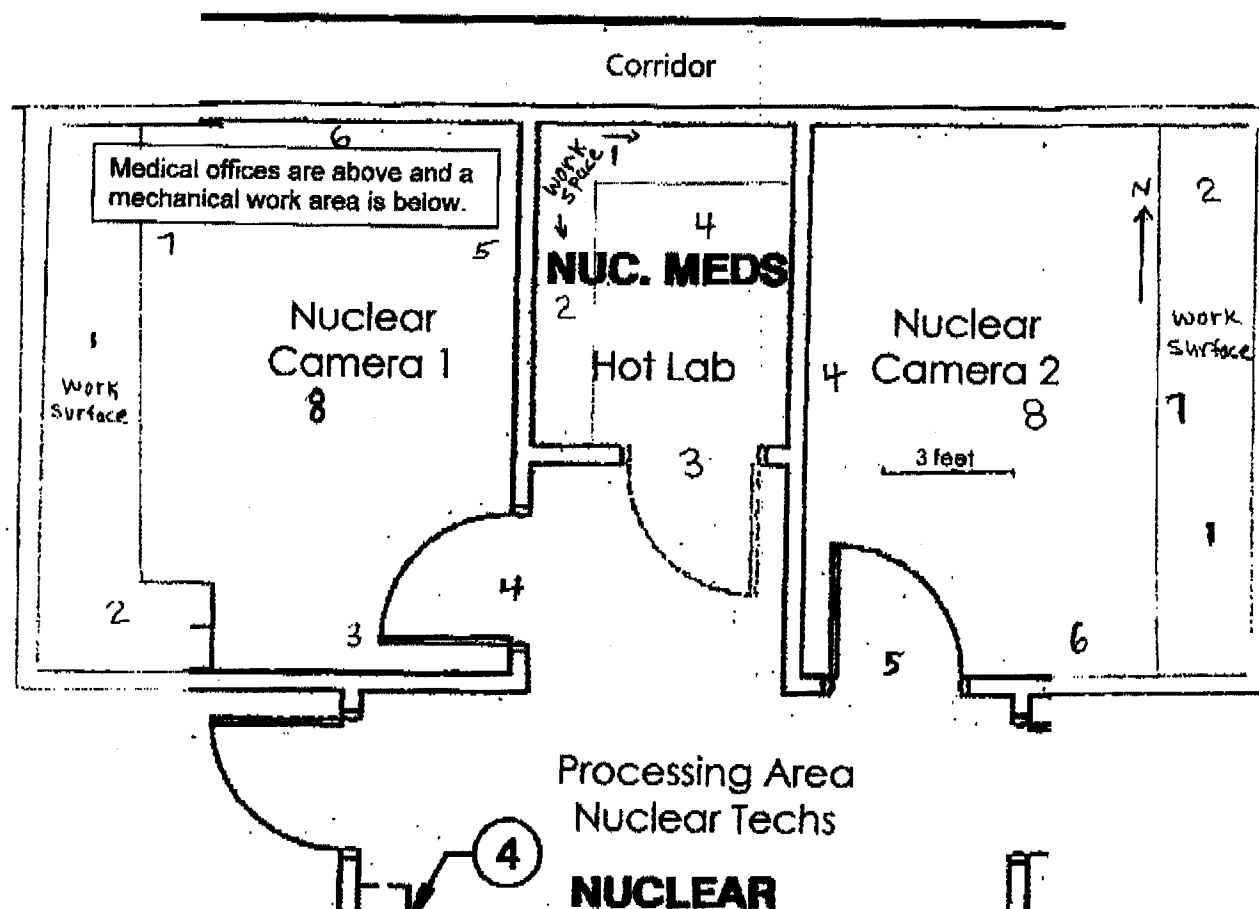
Nuclear Camera 2	DPM	Removable Activity $\mu$ Ci	Survey mR/hr
Location 1 sink	566	<.005	<0.02
Location 2 workspace	566	<.005	<0.02
Location 3 Floor E side	660	<.005	<0.02
Location 4 Floor W side	660	<.005	<0.02
Location 5 Entrance	594	<.005	<0.02
Location 6 Floor S side	594	<.005	<0.02
Location 7 Floor E Side	606	<.005	<0.02
Location 8 Cam location	606	<.005	<0.02

Hot Lab	DPM	Removable Activity $\mu$ Ci	Survey mR/hr
Location 1 sink	529	<.005	<0.02
Location 2 workspace	529	<.005	<0.02
Location 3 Entrance	690	<.005	<0.02
Location 4 floor	690	<.005	<0.02

Appendix A

Item 9 FACILITY DIAGRAM  
Non Invasive Cardiology  
2790 Clay Edwards Dr.  
5<sup>th</sup> Floor  
Suite 521

Location 5



SECURITY RELATED INFORMATION - WITHHOLD UNDER 10 CFR 2.390

**Northland Cardiology**

Nuclear Medicine Department

North Kansas City Hospital 2790 Clay Edwards Dr. - Suite 521, North Kansas City, Missouri

Lic. # 24-18628-01

Survey

February 21, 2014

**Area Monitoring Report****Group Name : 5HSP SURVEY****Date Range : 11/01/2013 To 11/30/2013**

Date/Time	In Tech	St	Batt	Chk.Src mR/hr	Bkg mR/hr	Area 1 mR/hr	Area 2 mR/hr	Area 3 mR/hr	Area 4 mR/hr	Area 5 mR/hr	Area 6 mR/hr
11-01-13 14:23	CA	2	P*	1.40*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-04-13 15:48	DLG	2	P*	1.10*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-05-13 16:06	DLG	2	P*	1.50*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-06-13 15:12	DLG	2	P*	1.20*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-07-13 14:13	DLG	2	P*	1.50*	0.02	0.02	0.02	0.02	0.02	0.03	0.02
11-11-13 15:14	CLG	2	P*	1.50*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-12-13 15:35	CLG	2	P*	1.50*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-13-13 14:22	LM	2	P*	1.50*	0.03	0.03	0.03	0.03	0.03	0.03	0.03
11-14-13 15:54	CLG	2	P*	1.30*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-15-13 12:56	LM	2	P*	1.40*	0.03	0.03	0.03	0.03	0.03	0.03	0.03
11-18-13 15:44	CLG	2	P*	1.50*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-19-13 16:30	DLG	2	P*	1.20*	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Area 1 Hot lab  
Area 2 Nuc cam 1  
Area 3 Nuc cam 2  
Area 4 }  
Area 5 } Processing Area  
Area 6 } and Nuc Techs

**Northland Cardiology**

Nuclear Medicine Department

North Kansas City Hospital 2790 Clay Edwards Dr. - Suite 521 North Kansas City, Missouri

Lic. # 24-18628-01

Wipe Tests

February 21, 2014

**Area Wipe Report****Group Name : 5HSP SURVEY****Date Range : 11/01/2013 To 11/30/2013**

			In		Ck.Src Bkg Area 1				Area 2		Area 3		Area 4		Area 5		Area 6	
Date/Time	Tech	st Batt	CPM	CPM	CPM	DPM	CPM	DPM	CPM	DPM	CPM	DPM	CPM	DPM	CPM	DPM	CPM	DPM
11-01-13 13:06	CA	1 --	62041*	3099	666	723	0	0	0	0	365	396	705	766	102	110		
11-07-13 10:59	DLG	1 --	62311*	2987	0	0	0	0	0	0	0	0	10	11	0	0		
11-15-13 12:37	LM	1 --	62964*	3112	70	76	303	329	77	84	252	273	118	128	43	47		

**Note:**Areas Underlined are over trigger limit.

\*\*\*\*\*

Battery Check: "P" = Pass "F" = Fail

Test Not performed or Not Required: "--"

Check source reading was done today but not as part of this survey/wipe test: " \* "

Wipe Area : 100.00 Sq. CM

Trigger Limit : 2000.00 DPM

Current Area Trigger Limits (DPM): 2,000.00

**Instrument Details:**

#	Instrument	Manufacturer	Next Cal Date	Serial No	Efficiency
1	LUDLUM SCALER	Ludlum	08-13-2014	166193	92.00%

**Original area names:**

Generic Name	Actual area name	Generic Name	Actual area name	Generic Name	Actual area name
Area 1	HOT LAB	Area 2	IMAGING ROOM 1	Area 3	TREADMILL ROOM 1



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## FAX

Date 2/26/14 Time 4:05 PM # of pages 6  
(including cover sheet)

To Toye Simmons  
Fax # 1-630 515 1078  
Company NRC Materials Licensing Branch  
Department \_\_\_\_\_

From Martin S. Richman  
Fax # 1-816 346 7869  
Phone # 1-913 706 9200  
1-816 691 5343

Comments:

This is in regard to

1. License amendment submission of Jan 3, 2014
2. Telephone conversation of Feb 20, 2014

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