

Dec. 29. 2014 8:54AM CMCH Radiology

No. 3853 P. 1



December 24, 2014

UNITES STATES NUCLEAR REGULATORY COMMISSION
Region III, Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Re: Notification to License No. 13-32723-01

Please find the enclosed close-out survey of the "old" nuclear medicine department, PET/CT scanner room, uptake room and Hot Lab. The close-out surveys were performed on December 4, 2014. This survey is enclosed for your review. All sealed sources have been removed from this area and placed in the "new" department.

Thank you for your cooperation with this matter. If you have any question please contact our physicist, Michelle Kritzman, at (734) 662-3197.

Sincerely,

Connie McCahill, RN, MSA
Chief Operating Officer
Cameron Memorial Community Hospital
Angola, IN 46703

RECEIVED DEC 29 2014

Close-out of Old Hospital Departments

Cameron Memorial Community Hospital
416 Maumee Street
Angola, IN 46703
License No. 13-32723-01

Date Performed: December 4, 2014

Performed By: Michelle Kritzman, MS

Wipe tests analyzed with Captus 3000 sodium iodide well counter with a 50-700 keV window. Efficiency for this energy range is 40% and MDA is 149 dpm. The conversion factor used is 2.5 dpm/cpm.

Survey performed with Ludlum 14 C GM survey meter with Pancake probe S/N 214857 calibrated on 03/17/2014. Range used was 0-0.2 mR/hr.

Visual Check

All sealed sources, waste and unused dosages were moved to the new department on December 4, 2014.

The area was checked to ensure that all radioactive material had been removed. No radioactive material was located. The last dates of use of radioactive material were as follows:

Nuclear Medicine Room:	Tc-99m on 12/04/12014
	I-123 on 11/18/2014
PET/CT Scanner:	F-18 on 12/04/14
Uptake Room:	F-18 on 12/04/14
PET/CT Hot Lab:	F-18 on 12/04/14

Radiation Level Survey

No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

Removable Contamination

1 minute counts of a wipe sample covering at least a 100 square centimeter area

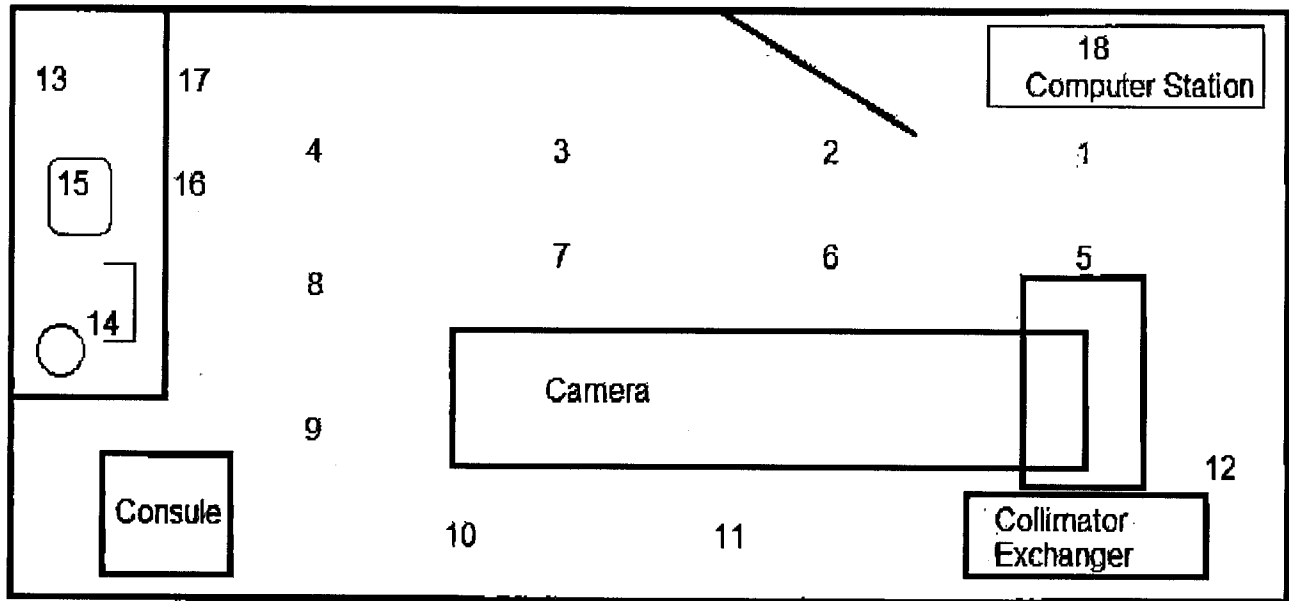
Maximum removable contamination: 123 net cpm x 2.5 dpm/cpm
=308 net dpm

See Enclosures for complete wipe test results and map of areas tested.

Conclusion

As of December 4, 2014 all radioactive materials were removed from the site and no removable contamination was present.

"Old" Nuclear Medicine Department
Cameron Memorial Community Hospital



Cameron Memorial Community Hospital**License # 13-32723-01****"Old" nuclear medicine suite****Date: 12/4/2014****Performed By: M Kritzman, M.S.****Survey Meter: Ludlum 14 C****Check Value: 0.5 mR/hr**

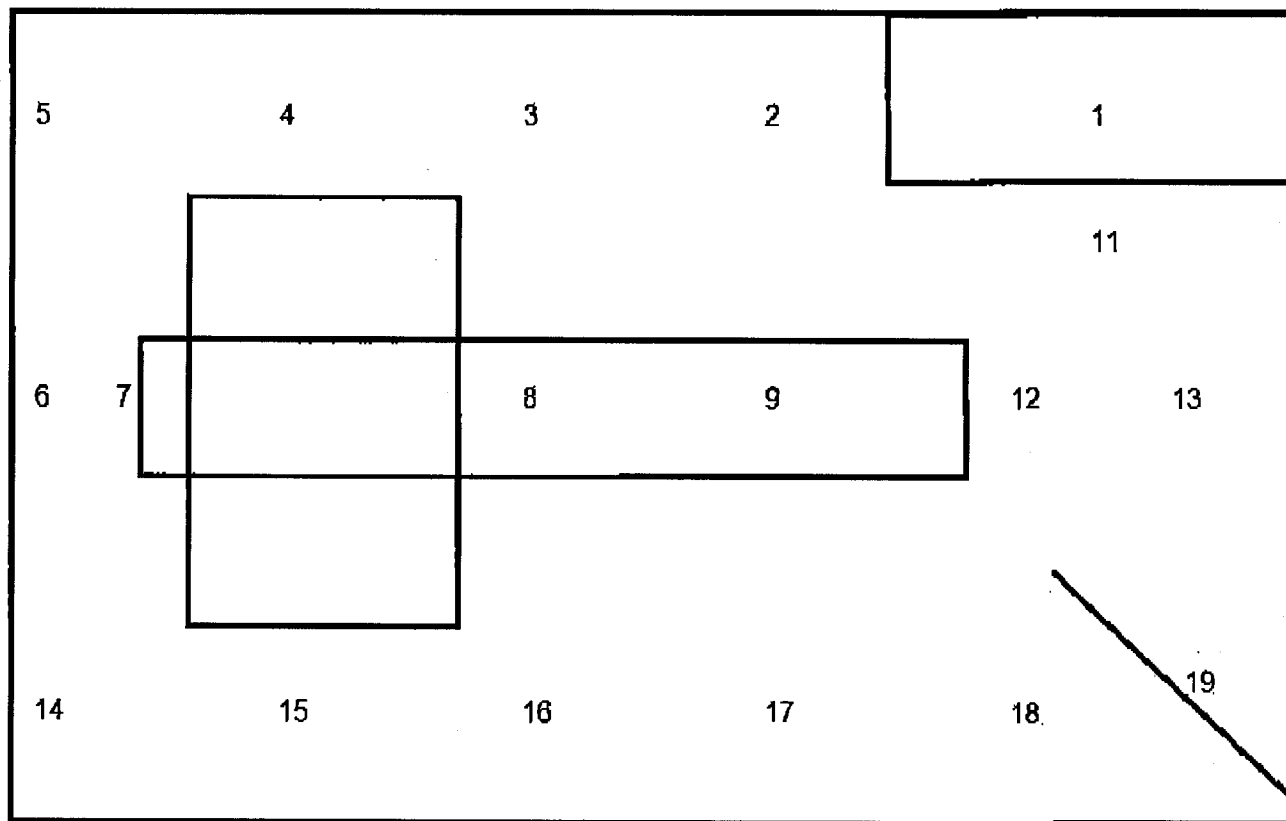
		net cpm	net dpm	mR/h
1	floor	0	0	0.02
2	floor	0	0	0.02
3	floor	30	75	0.02
4	floor	30	75	0.02
5	floor	31	78	0.02
6	floor	31	78	0.02
7	floor	26	65	0.02
8	floor	26	65	0.02
9	floor	38	95	0.02
10	floor	38	95	0.02
11	floor	9	23	0.02
12	floor	9	23	0.02
13	counter top	16	40	0.02
14	counter top	16	40	0.02
15	sink	52	130	0.02
16	cabinet	18	45	0.02
17	cabinet	60	150	0.02
18	desk top	60	150	0.02
	Background	558 cpm		0.02

ACTION LEVELS: 2000 dpm

Conversion factor 2.5 dpm/cpm

COMMENTS: No evidence of removable contamination.

"Old" PET/CT Suite
Cameron Memorial Community Hospital



Cameron Memorial Community Hospital**License # 13-32723-01****"Old" PET/CT Suite****Date: 12/4/2014****Performed By: M Kritzman, M.S.****Survey Meter: Ludlum 14 C****Check Value: 0.5 mR/hr**

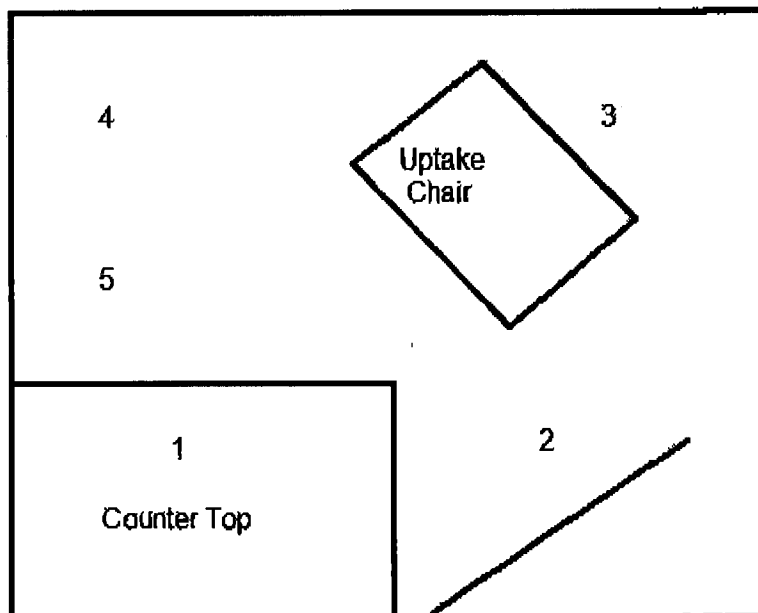
		net cpm	net dpm	mR/h
1	counter top	0	0	0.02
2	floor	0	0	0.02
3	floor	53	133	0.02
4	floor	51	128	0.02
5	floor	8	20	0.02
6	floor	8	20	0.02
7	floor	30	75	0.02
8	floor	30	75	0.02
9	floor	80	200	0.02
10	floor	80	200	0.02
11	floor	46	115	0.02
12	floor	41	103	0.02
13	floor	68	170	0.02
14	floor	68	170	0.02
15	floor	59	148	0.02
16	floor	66	165	0.02
17	floor	35	88	0.02
18	floor	35	88	0.02
18	floor	69	173	0.02
	Background	558 cpm		0.02

ACTION LEVELS: 2000 dpm

Conversion factor 2.5 dpm/cpm

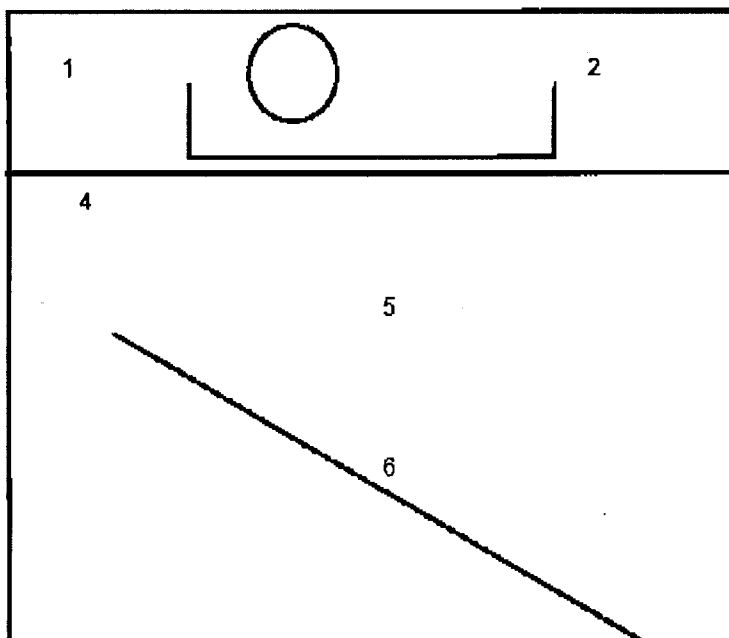
COMMENTS: No evidence of removable contamination.

"Old" Uptake Room



Cameron Memorial Community Hospital				
License # 13-32723-01				
"Old" Uptake Room				
Date: 12/4/2014		Performed By: M Krizman, M.S.		
Survey Meter: Ludlum 14 C		Check Value: 0.5 mR/hr		
		net cpm	net dpm	mR/h
1	counter top	0	0	0.02
2	floor	0	0	0.02
3	floor	0	0	0.02
4	floor	68	170	0.02
5	floor	28	70	0.02
	Background	558 cpm		0.02
ACTION LEVELS: 2000 dpm Conversion factor 2.5 dpm/cpm				
COMMENTS: No evidence of removable contamination.				

"Old" Hot Lab



Cameron Memorial Community Hospital				
License # 13-32723-01				
"Old" Hot Lab				
Date: 12/4/2014		Performed By: M Kritzman, M.S.		
Survey Meter: Ludlum 14 C		Check Value: 0.5 mR/hr		
		net cpm	net dpm	mR/h
1	counter top	5	13	0.02
2	counter top	50	125	0.02
3	cabinet	88	220	0.02
4	cabinet	60	150	0.02
5	floor	5	13	0.02
6	floor	123	308	0.02
	Background	558 cpm		0.02
ACTION LEVELS: 2000 dpm Conversion factor 2.5 dpm/cpm				
COMMENTS: No evidence of removable contamination.				