

September 1, 2017

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

**RE: Amendment NRC License No. 13-32478-01  
Remove location of use**

Dear Sir/Madam:

We would like to request the removal of the Portage Heart Care, 6375 U.S. Highway 6, Suite B, Portage, Indiana facility from our NRC license number 13-32478-01. We are no longer providing nuclear medicine services at this facility. Prior to performing a closeout survey, all radioactive sealed sources were transferred on August 7, 2017 to the 3545 Arbors Boulevard, Portage, Indiana facility listed on St. Mary Medical Center's NRC License # 13-03459-03.

We have included the confirmation of receipt from St. Mary Medical Center that the sources were accepted into their inventory. In addition, please find the most recent sealed source leak test, the close-out survey results and diagram. Please note that Cobalt-57 flood source (s/n 1777-181) listed on the sealed source leak test was returned to the manufacturer prior to the closeout survey. We have enclosed the acknowledgement of receipt from Eckert & Ziegler.

If you have any questions, please contact our radiation safety officer, Sharon Updike, MHP, DABR at 517-795-8786.

Respectfully Yours,



Teresa A. Kempfer, MBA  
Director, Physician Practices  
Community Care Network



# ST. MARY *Medical Center*

## ACKNOWLEDGEMENT OF SEALED SOURCE RECEIPT

Please let this letter serve as an acknowledgement that the following sealed sources were received from Portage Heart Care and accepted into inventory at the 3545 Arbors Boulevard, Portage, Indiana facility under St. Mary Medical Center's NRC license #13-03459-03 on August 7, 2017:

Cs-137 Vial Source (s/n 63537)  
Cs-137 Check Source (s/n 52629)  
Ba-133 Vial Source (s/n 1218-45-2)  
Co-57 Flood Source (s/n 1934-021)

Respectfully Yours,

*S. Kar*  
09/06/2017

Santosh K. Kar  
Radiation Safety Officer  
St. Mary Medical Center,  
1500 South Lake Park Avenue,  
Hobart, IN, 46342



### Sealed Source Leak Test

Licensee: Community Care Network-Portage Heart Care

Date: 04/24/17

Performed by: Sharon Updike

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	233.8 uCi	04/01/05	RAM Closet	MED3550	63537
Current Activity: 176.91 uCi						
Co-57	Flood	20 mCi	12/01/14	RAM Closet	MED3709	1777-181
Current Activity: 2.133 mCi						
Co-57	Flood	20 mCi	03/01/17	RAM Closet	MED3709	1934-021
Current Activity: 17.42 mCi						
Ba-133	Vial	244.5 uCi	04/01/07	RAM Closet	RV-133-250U	1218-45-2
Current Activity: 125.98 uCi						

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

<u>Nuclide</u>	<u>MDA</u>	<u>Background</u>
Cs-137	$2.0 \times 10^{-4}$ uCi	145 counts/1 min
Ba-133	$8.8 \times 10^{-5}$ uCi	204 counts/1 min
Co-57	$1.7 \times 10^{-5}$ uCi	53 counts/1 min

**RADIATION SAFETY OFFICER:** \_\_\_\_\_



Receiving  
 1800 Facility  
 1800 N. Keystone St.  
 Burbank, CA 91504  
 US

Telephone.....: (661) 309-1010  
 Fax.....: (661) 257-8303  
 Giro.....:  
 Tax exempt number.....: SRAC11-638175  
 Recipient.....:

Shipped From:  
 Portage Heart Care  
 Sharon Updike MHP  
 (517)795-8786  
 supdike@mpcphysics.com  
 6375 US HWY 6 Suite B  
 Portage, IN 46368  
 United States

## Return acknowledgement

Return Number: .....: 298703  
 RMA number.....: RMA\_029538  
 Date .....: 8/24/2017  
 Page .....: 1 of 1  
 Customer account.....: PINTEC01  
 Customer reference.....:  
 Contact .....: Wendy Koehnen  
 Customer requisition.....:

Dear Valued Customer,  
 Eckert & Ziegler Isotope Products Laboratories has received your radioactive source(s) and takes responsibility for tracking and storage of the source(s) listed below. If you have any further questions about the source(s), please contact EZIP and reference the return number listed above. Thank you or your business.

Item number	Batch number	Serial number	Quantity returned	Received on	Description
A3525-2-20M		1777-181	1.000000	8/21/2017	MED3709
Nuclide Info: Co-57      20.000000 mCi      Ref. Date: 12/1/2014					

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**Close-out Survey/Information**

**Date performed:** August 17, 2017

**Performed by:** Tracy Day, CNMT

**Comments:** Sealed sources and waste were removed from our department prior to performing the close-out survey.

**Instruments**

Wipe tests analyzed with a Atomlab 500 Well Counter  
s/n : 13100172

Date Efficiency performed: 04/25/17

Radionuclide: Cobalt-57 MDA for Co-57: 55.7 dpm Conversion factor: 1.11 dpm/cpm

Radionuclide: Cesium-137 MDA for Cs-137: 287 dpm Conversion factor: 8.11 dpm/cpm

Area survey performed with the following survey meter:

Manufacturer: Ludlum  
Type: GM  
Model Number: 14C  
Serial Number: 208891  
Probe Model: EW  
Annual Calibration Performed: 1/13/17  
Battery check acceptable: YES  
Operational check acceptable: YES  
Current reading: 5.5 mR/hr

**Historical Use of Radionuclides from inception of NRC license**

**Unsealed**

Tc99m

**Sealed**

Co-57, Ba-133, Cs-137 – last date of use -- 7/12/17

**Last date of byproduct radiopharmaceutical use:** Tc 99m – 7/12/17

**Visual Check:** The area was checked to ensure that all sealed sources and radioactive waste had been removed. No evidence of radioactive material was noted.

**Sealed Source Leak Testing:** No history of leaks from Sealed Sources.

**Radiation Level Survey:** No area within the department demonstrated radiation levels in excess of 0.02 mR/hr.

**Removable Contamination:** No area within the department demonstrated removable contamination in excess of 167 dpm's.

***Imaging and Hot Lab, Stress Room***

See Diagram Attachment

**Conclusion:** No radioactive materials remain in this area. No removable contamination is present.

**Portage Heart Care**  
**License # 13-32478-01**

**CLOSEOUT SURVEY RESULTS**

Date: 8/17/2017

Performed By: Tracy Day, CNMT

		Bkg. 496 cpm		
Wipe	AREA		net dpm	Bkg. 0.02 mR/hr gross mR/hr
1	Camera Gantry Base		0	0.02
2	Camera Gantry Base		66.00	0.02
3	Imaging Room floor		96.00	0.02
4	Imaging Room floor		52.00	0.02
5	Imaging Room floor		88.00	0.02
6	Imaging Room floor		102.00	0.02
7	Imaging Room floor		0	0.02
8	Imaging Room desk		99.00	0.02
9	Imaging Room floor		167.00	0.02
10	Imaging Room floor		58.00	0.02
11	Hot Lab Cabinet		99.00	0.02
12	Hot Lab Cabinet		63.00	0.02
13	Hot Lab counter		41.00	0.02
14	Imaging Room floor		167.00	0.02
15	Imaging Room floor		41.00	0.02
16	Imaging Room floor		66.00	0.02
17	Imaging Room floor		104.00	0.02
18	Imaging Room floor		80.00	0.02
19	RAM Storage Closet		0	0.02
20	RAM Storage Closet		33.00	0.02
21	Stress Room Bed		30.00	0.02
22	Stress Room Counter		82.00	0.02
23	Stress Room floor		0	0.02
24	Stress Room floor		0	0.02
25	Stress Room floor		0	0.02

Comments: No evidence of removable contamination

**ACTION LEVELS: 2000 dpm/100 cm<sup>2</sup>**

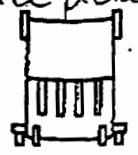
**< 0.2 mR/hr**

**COMMENTS: No evidence of removable contamination.**

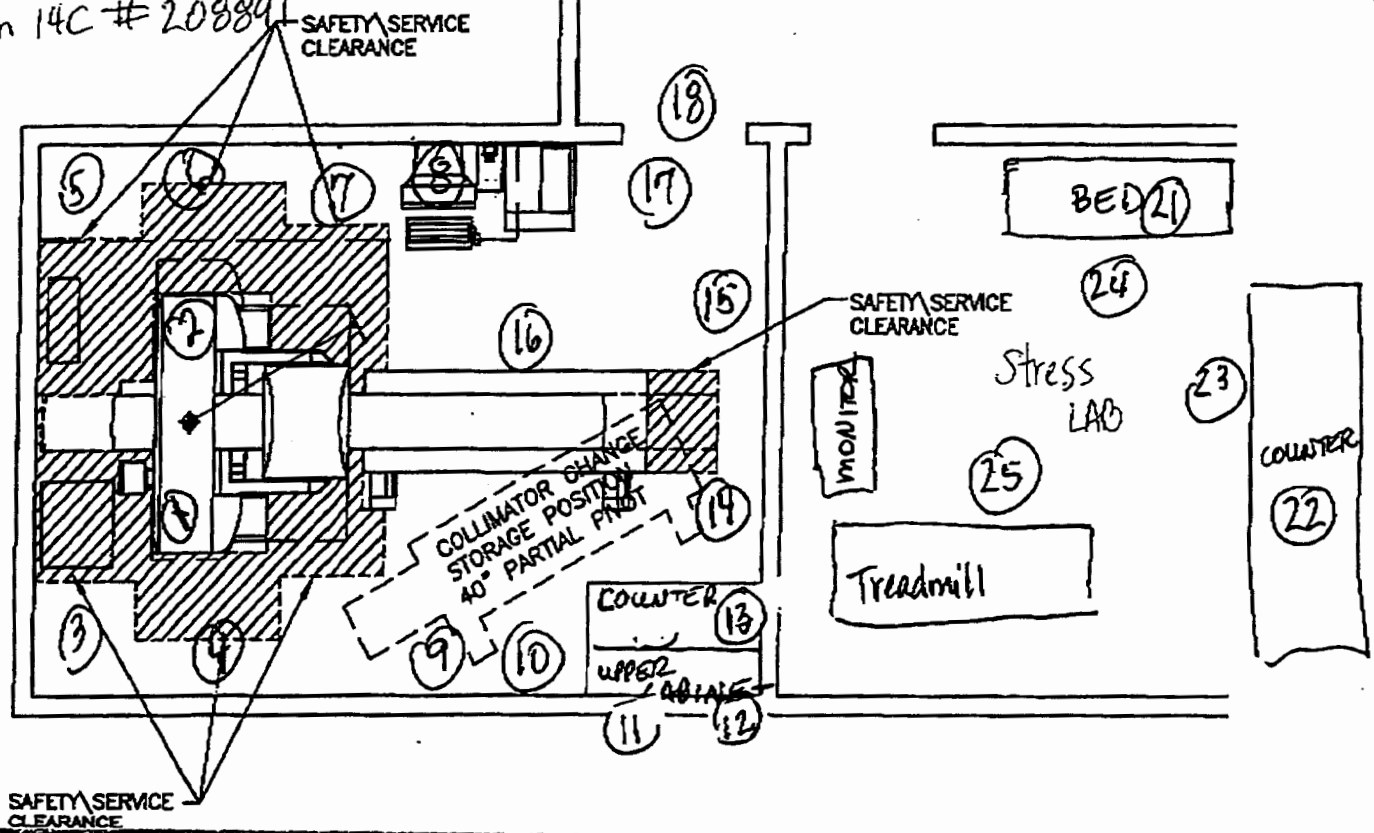
\* WIPES PERFORMED 8/17/17

\*\* Co<sup>57</sup> sheet source picked up via FEDEx on 8/16/17

\*\*\* LAST DAY ISOTOPES / LAB USED 7/12/17



All areas surveyed 0.02mR/hr on 8/17/17 using Ludlum 14C # 208891



RADIOACTIVE STORAGE CLOSET

1. Gantry base - 0
2. Gantry base - 66
3. FLOOR - 96
4. FLOOR - 52
5. FLOOR - 88
6. FLOOR - 102
7. FLOOR - 0
8. DESK - 99
9. FLOOR - 167
10. FLOOR - 58
11. HOT LAB CAB - 99
12. HOT LAB CAB - 63
13. HOT LAB BASE - 41
14. FLOOR - 167
15. FLOOR - 41
16. FLOOR - 66
17. FLOOR - 104
18. FLOOR - 80
19. Storage Closet - 0
20. Storage Closet - 33
21. BED - 30
22. COUNTER - 82
23. FLOOR - 0
24. FLOOR - 0
25. FLOOR - 0

BACKGROUND ON ATOMLAB 500 =

496  
8/17/17

tlou

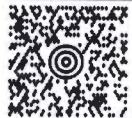


PORTAGE HEARTCARE  
(215) 752-9400  
THE UPS STORE 83691  
8212 US HIGHWAY 8  
PORTAGE IN 46368-5057

1 LBS 1 OF 1  
SHIP WT: 1 LBS  
DATE: 12 SEP 2017

SHIP U S NUCLEAR REGULATORY COMMISSION  
TO: STE 210  
2443 WARRENVILLE RD

LISLE IL 60532-4352

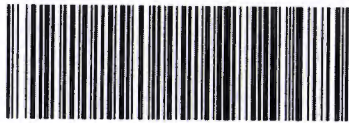


IL 603 9-03



UPS GROUND

TRACKING #: 1Z 296 YX3 03 1023 9892



BILLING: P/P

12H 10:00N 22P 450 96.00 07/2017

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RECEIVED SEP 13 2017