



Cardinal Health  
Medical & Health Physics Services  
9668 Marion Ridge  
Kansas City, MO 64137  
816.965.0330 tel  
816.966.2040 fax

www.cardinal.com

January 8, 2008

Materials Licensing Section  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Ste. 210  
Lisle, IL 60532-4352

To Whom It May Concern:

This correspondence is in regard to the closing of a nuclear cardiology clinic. The facilities Radioactive Materials License number is #24-32492-01 (Cardiology and Critical Care Consultants; 3915 Watson, Suite 103; St. Louis, MO 63109).

1. In accordance with 10 CFR 20 Subpart E, the facility was decommissioned. Please see the attached documents.
2. There were three radioactive sealed sources identified at this site:

	<b>Nuclide</b>	<b>Type</b>	<b>Serial Number</b>	<b>Activity</b>	<b>Location</b>
a.	Co-57	Flood	BM-02100358	1.95 mCi	Hot Lab
b.	Cs-137	E-Vial	1014-57-4	199.5 $\mu$ Ci	Hot Lab
c.	Cs-137	Spot	345	0.92 $\mu$ Ci	Hot Lab

**Please see the attached Final Sealed Source Inventory.**

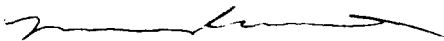
3. The Co-57 flood source and the Cs-137 vial source were leak tested to ensure the removable activity was less than 0.005  $\mu$ Ci. **Please see the attached Final Certificate of Leak Test.**
4. The Co-57 flood source, Cs-137 vial source and Cs-137 spot source were transferred to Cardinal Health 414, Inc. (Radioactive Materials License #01-59-01). They were transferred in a D.O.T. approved shipping container. **Please see the attached Shipping Papers and the Sealed Source Transfer Statements.**

RECEIVED JAN 17 2008

5. The Co-57 flood source and Cs-137 e-vial were returned to the manufacturer for disposal.  
**Please see the attached Return Authorization and Verification Receipt.**
6. There was a box of short-life waste in the waste storage container. This waste was stored on 12-03-07. The container was monitored with the GM survey meter on 12-21-07 and found to be at background. The waste was placed into the Stericycle waste box for disposal.
7. When the decommissioning wipe test and surveys verified that there was no removable contamination in excess of 200 dpm/cm<sup>2</sup>, the following final steps of the decommissioning were completed:
  - a. All "Caution: Radioactive Materials" signs were removed from the doors, I-Block and waste storage containers.
  - b. The NRC-"Notice to Employees" were removed.
  - c. The Emergency Procedures were removed.
  - d. All Radiation Safety Policies were removed.
  - e. All biohazard labels were removed.
  - f. All records pertaining to this Radioactive Materials license were placed in a manual for future reference.

Your attention to this matter is greatly appreciated.

Sincerely,



Marcia R. West  
Regional Health Physicist  
Cardinal Health Medical & Health Physics

(9-2007)  
10 CFR 30.36(j)(1), 40.42(j)(1),  
70.38(j)(1); and 72.54(k)(5)(1)(1)

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**CERTIFICATE OF DISPOSITION OF MATERIALS**

LICENSEE NAME AND ADDRESS

**Cardiology & Critical Care Consultants**  
**3915 Watson Street, Ste. 103 ; St. Louis, MO 63109**

LICENSE NUMBER

**24-32492-01**

DOCKET NUMBER

**030-36505**

LICENSE EXPIRATION DATE

**02/28/2014**

**A. LICENSE STATUS (Check the appropriate box)**

This license has expired.  This license has not yet expired; please terminate it.

**B. DISPOSAL OF RADIOACTIVE MATERIAL**

*(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)*

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
  - a. Transfer of radioactive materials to the licensee listed below:  
**Cardinal Health, Inc.; 9668 Marion Ridge; Kansas City, MO 64137**
  - b. Disposal of radioactive materials:
    - 1. Directly by the licensee:
    - 2. By licensed disposal site:
    - 3. By waste contractor:
  - c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

**C. SURVEYS PERFORMED AND REPORTED**

- 1. A radiation survey was conducted by the licensee. The survey confirms:
  - a. the absence of licensed radioactive materials
  - b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 2. A copy of the radiation survey results:
  - a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: \_\_\_\_\_ Date \_\_\_\_\_
- 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
  - a. The results of the latest leak test are attached; and/or
  - b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME: **Tina Kraus** TITLE: **Practice Manager** TELEPHONE (Include Area Code): **(314) 781-8082** E-MAIL ADDRESS: \_\_\_\_\_

Mail all future correspondence regarding this license to:

**Tina Kraus; Cardiology & Critical Care Consultants; 3915 Watson St., Ste. 103; St. Louis, MO 63109**

**C. CERTIFYING OFFICIAL**

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

**Dr. Basim Mikhail, RSO**

SIGNATURE

*B. Mikhail*

DATE

**12-21-07**

**WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.**



Cardinal Health Medical & Health Physics  
9668 Marion Ridge  
Kansas City, Missouri 64137  
Tel 816.965.0330  
Fax 816.966.2040

Section 11

Form 117A

**FINAL  
CERTIFICATE OF LEAK TEST**

**DATE:** 12-21-2007

**LICENSEE:** Cardiology & Critical Care Consultants; St. Louis, MO

NUCLIDE	TYPE	SERIAL #	ACTIVITY	RESULTS
1. Co-57	Flood	BM-02100358	1.95 mCi	< 0.005 $\mu$ Ci
2. Cs-137	Vial	1014-57-4	199.5 $\mu$ Ci	< 0.005 $\mu$ Ci

**REMARKS:** The samples taken from each sealed source contained less than 0.005 microcuries of radioactive material. Each source meets the regulatory requirements for leaking testing and may remain in service until the next scheduled testing.

**NOTE:** The Co-57 flood source serial # BM-02100358, the Cs-137 vial serial # 1014-57-4, and the Cs-137 spot serial number 345 were transferred to Cardinal Health, 414 Inc. Ram License # 04-26507-01MD. Please see the attached return authorization shipping papers, and transfer statements.

**PERFORMED BY:**

For: CARDINAL HEALTH 414, MEDICAL & HEALTH PHYSICS  
State of Nebraska Registry Number: 50

**R.S.O.:**

\_\_\_\_\_

21 Dec 2007 14:17

Cardinal Medical & Health Physics

Page #1

Protocol #: 8

DECOMMISSIONING LEAK

User : KM

Tech ID: KM  
 CARDIOLOGY & CRITICAL CARE COMS.; ST. LOUIS, MO  
 Count Time(minutes): 1.00  
 Assay Type: CPM  
 Background Subtract : 1PA Bkg  
 Outlier: 5.0 FLAG  
 Dilution Operator : \$  
 XSpillup: 0.00  
 XSpilldown: 0.00  
 Screening: OFF

	Window A		Window B		Window C	
Nuclide:	Co-57	75 - 165 keV	MAN	562 - 762 keV	MAN	15 - 2000 keV
Bkg:	60.3		69.9		470	
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	2	2	0	3	BACKGROUND
2	1.00	0	0	0	0	CO-57 FLOGD #BM-02100358
3	1.00	0	0	7	0	CS-137 VIAL #1014-57-4

S#	TIME	CPMA	DPM1	MDA at 95% CL:
1	1.00	2		
2	1.00	0	0	9.3 cpm above background.
3	1.00	0	0	



Cardinal Health Medical & Health Physics  
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Section 7

Form 117B

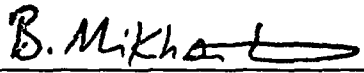
**FINAL  
SEALED SOURCE INVENTORY**

**DATE:** 12-21-2007

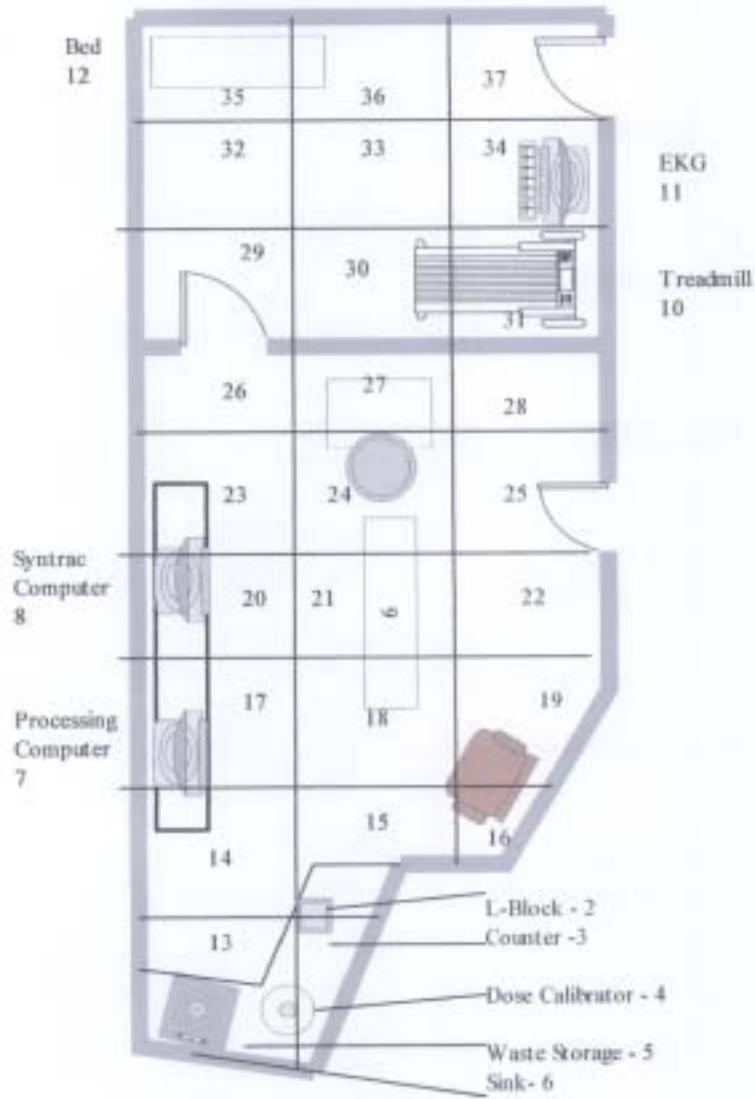
**LICENSEE:** Cardiology & Critical Care Consultants; St. Louis, MO.

	<b>NUCLIDE</b>	<b>TYPE</b>	<b>SERIAL #</b>	<b>CURRENT ACTIVITY</b>	<b>LOCATION</b>
1.	Co-57	Flood	BM-02100358	1.95 mCi	Hot Lab
2.	Cs-137	Vial	1014-57-4	199.5 $\mu$ Ci	Hot Lab
3.	Cs-137	Spot	345	0.92 $\mu$ Ci	Survey meter

**PERFORMED BY:**   
FOR: CARDINAL HEALTH 414, MEDICAL & HEALTH PHYSICS  
STATE OF NEBRASKA REGISTRY NUMBER: 50

**R.S.O.:** 

Decommissioning  
 Cardiology & Critical Care Consultants  
 12-21-2007






Cardinal Health Medical & Health Physics  
9668 Marion Ridge  
Kansas City, Missouri 64137  
Tel 816.965.0330  
Fax 816.966.2040

### CLOSE-OUT AREA SURVEYS

**DATE:** 12-21-2007  
**LICENSEE:** Cardiology & Critical Care Consultants; St. Louis, MO  
**INSTRUMENT:** Ludlum Model 9 SN: 169637 Calibration Date: 4-28-2007  
**LOCATION:** Imaging Room, Hot Lab, and Stress Lab

	<u>Location</u>	<u>Results</u>
1.	Background	9-12 µR
2.	L-Block	9-12 µR
3.	Counter	9-12 µR
4.	Dose Calibrator	9-12 µR
5.	Waste Storage	9-12 µR
6.	Sink	9-12 µR
7.	Processing Computer	9-12 µR
8.	Syntrac Computer	9-12 µR
9.	Camera Bed	9-12 µR
10.	Treadmill	9-12 µR
11.	EKG	9-12 µR
12.	Bed	9-12 µR
13.	Floor	9-12 µR
14.	Floor	9-12 µR
15.	Floor	9-12 µR
16.	Floor	9-12 µR
17.	Floor	9-12 µR
18.	Floor	9-12 µR
19.	Floor	9-12 µR
20.	Floor	9-12 µR
21.	Floor	9-12 µR
22.	Floor	9-12 µR
23.	Floor	9-12 µR
24.	Floor	9-12 µR
25.	Floor	9-12 µR
26.	Floor	9-12 µR
27.	Floor	9-12 µR
28.	Floor	9-12 µR
29.	Floor	9-12 µR
30.	Floor	9-12 µR
31.	Floor	9-12 µR
32.	Floor	9-12 µR
33.	Floor	9-12 µR
34.	Floor	9-12 µR
35.	Floor	9-12 µR
36.	Floor	9-12 µR
37.	Floor	9-12 µR

**REMARKS:** The above close-out area surveys were acquired of the assigned areas with a micro R meter. None of the areas exceeded the room background of 9-12 µR.

**PERFORMED BY:**   
For: Cardinal Health 414, Inc. Medical & Health Physics  
Nebraska Registry #50





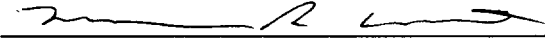
Cardinal Health Medical & Health Physics  
9668 Marion Ridge  
Kansas City, Missouri 64137  
Tel 816.965.0330  
Fax 816.966.2040

### CLOSE-OUT WIPE TESTS

**DATE:** 12-21-2007  
**LICENSEE:** Cardiology & Critical Care Consultants; St. Louis, MO  
**INSTRUMENT:** Cobra II Auto Gamma MCA  
**LOCATION:** Imaging Room, Hot Lab, and Stress Lab

	<u>Location</u>	<u>Results</u>
1.	Background	0 CPM (110-170 KEV)
2.	L-Block	<200 dpm/100 cm <sup>2</sup>
3.	Counter	<200 dpm/100 cm <sup>2</sup>
4.	Dose Calibrator	<200 dpm/100 cm <sup>2</sup>
5.	Waste Storage	<200 dpm/100 cm <sup>2</sup>
6.	Sink	<200 dpm/100 cm <sup>2</sup>
7.	Processing Computer	<200 dpm/100 cm <sup>2</sup>
8.	Syntrac Computer	<200 dpm/100 cm <sup>2</sup>
9.	Camera Bed	<200 dpm/100 cm <sup>2</sup>
10.	Treadmill	<200 dpm/100 cm <sup>2</sup>
11.	EKG	<200 dpm/100 cm <sup>2</sup>
12.	Bed	<200 dpm/100 cm <sup>2</sup>
13.	Floor	<200 dpm/100 cm <sup>2</sup>
14.	Floor	<200 dpm/100 cm <sup>2</sup>
15.	Floor	<200 dpm/100 cm <sup>2</sup>
16.	Floor	<200 dpm/100 cm <sup>2</sup>
17.	Floor	<200 dpm/100 cm <sup>2</sup>
18.	Floor	<200 dpm/100 cm <sup>2</sup>
19.	Floor	<200 dpm/100 cm <sup>2</sup>
20.	Floor	<200 dpm/100 cm <sup>2</sup>
21.	Floor	<200 dpm/100 cm <sup>2</sup>
22.	Floor	<200 dpm/100 cm <sup>2</sup>
23.	Floor	<200 dpm/100 cm <sup>2</sup>
24.	Floor	<200 dpm/100 cm <sup>2</sup>
25.	Floor	<200 dpm/100 cm <sup>2</sup>
26.	Floor	<200 dpm/100 cm <sup>2</sup>
27.	Floor	<200 dpm/100 cm <sup>2</sup>
28.	Floor	<200 dpm/100 cm <sup>2</sup>
29.	Floor	<200 dpm/100 cm <sup>2</sup>
30.	Floor	<200 dpm/100 cm <sup>2</sup>
31.	Floor	<200 dpm/100 cm <sup>2</sup>
32.	Floor	<200 dpm/100 cm <sup>2</sup>
33.	Floor	<200 dpm/100 cm <sup>2</sup>
34.	Floor	<200 dpm/100 cm <sup>2</sup>
35.	Floor	<200 dpm/100 cm <sup>2</sup>
36.	Floor	<200 dpm/100 cm <sup>2</sup>
37.	Floor	<200 dpm/100 cm <sup>2</sup>

**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 cm<sup>2</sup>.

**PERFORMED BY:**   
For: Cardinal Health 414, Inc. Medical & Health Physics  
Nebraska Registry #50

Protocol #: 8

LEAK TEST

User : I

Tech ID: DK  
 CARDIOLOGY & CRITICAL CARE CONS. ST. LOUIS, MO.  
 Count Time(minutes): 1.00  
 Assay Type: CPM  
 Background Subtract : IPA Bkg  
 Outlier: 5.0 FLAG  
 Dilution Operator : \*  
 %Spillup: 0.00  
 %Spilldown: 0.00  
 Screening: OFF

	Window A		Window B		Window C	
Nuclide:	Co-57	75 - 165 keV	MAN	562 - 762 keV	MAN	15 - 2000 keV
Bkg:	58.0		68.6		460	
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	9	0	0	BACKGROUND
2	1.00	6	3	26	12	L-BLOCK
3	1.00	0	0	0	0	COUNTER TOP
4	1.00	0	0	0	0	DOSE CALIBRATOR
5	1.00	0	0	14	0	WASTE STORAGE CONTAINER
6	1.00	0	0	0	0	SINK
7	1.00	0	5	0	0	COMPUTER TERMINAL
8	1.00	4	0	30	8	SYNTRAC COMPUTER
9	1.00	0	0	0	0	GAMMA CAMERA TABLE
10	1.00	0	1	0	0	TREADMILL
11	1.00	8	5	15	16	EKG MACHINE
12	1.00	2	0	0	4	PHARM STRESS BED
13	1.00	0	9	0	0	FLOOR
14	1.00	3	0	0	6	FLOOR
15	1.00	5	0	0	10	FLOOR
16	1.00	5	2	1	10	FLOOR
17	1.00	5	18	0	10	FLOOR
18	1.00	0	6	0	0	FLOOR
19	1.00	0	0	0	0	FLOOR
20	1.00	8	0	0	16	FLOOR
21	1.00	11	9	27	22	FLOOR
22	1.00	0	0	5	0	FLOOR
23	1.00	0	0	0	0	FLOOR
24	1.00	7	3	0	14	FLOOR
25	1.00	0	1	34	0	FLOOR
26	1.00	0	0	0	0	FLOOR
27	1.00	10	0	7	20	FLOOR
28	1.00	0	9	12	0	FLOOR
29	1.00	0	0	0	0	FLOOR
30	1.00	1	0	5	2	FLOOR
31	1.00	5	0	0	10	FLOOR

Protocol #: 8

LEAK TEST

User : 1

S#	TIME	A:CPM	B:CPM	C:CPM	CCPM	PAT/ID
32	1.00	0	0	0	0	FLOOR
33	1.00	0	10	0	0	FLOOR
34	1.00	0	13	0	0	FLOOR
35	1.00	0	6	0	0	FLOOR
36	1.00	0	8	4	0	FLOOR
37	1.00	0	0	0	0	FLOOR

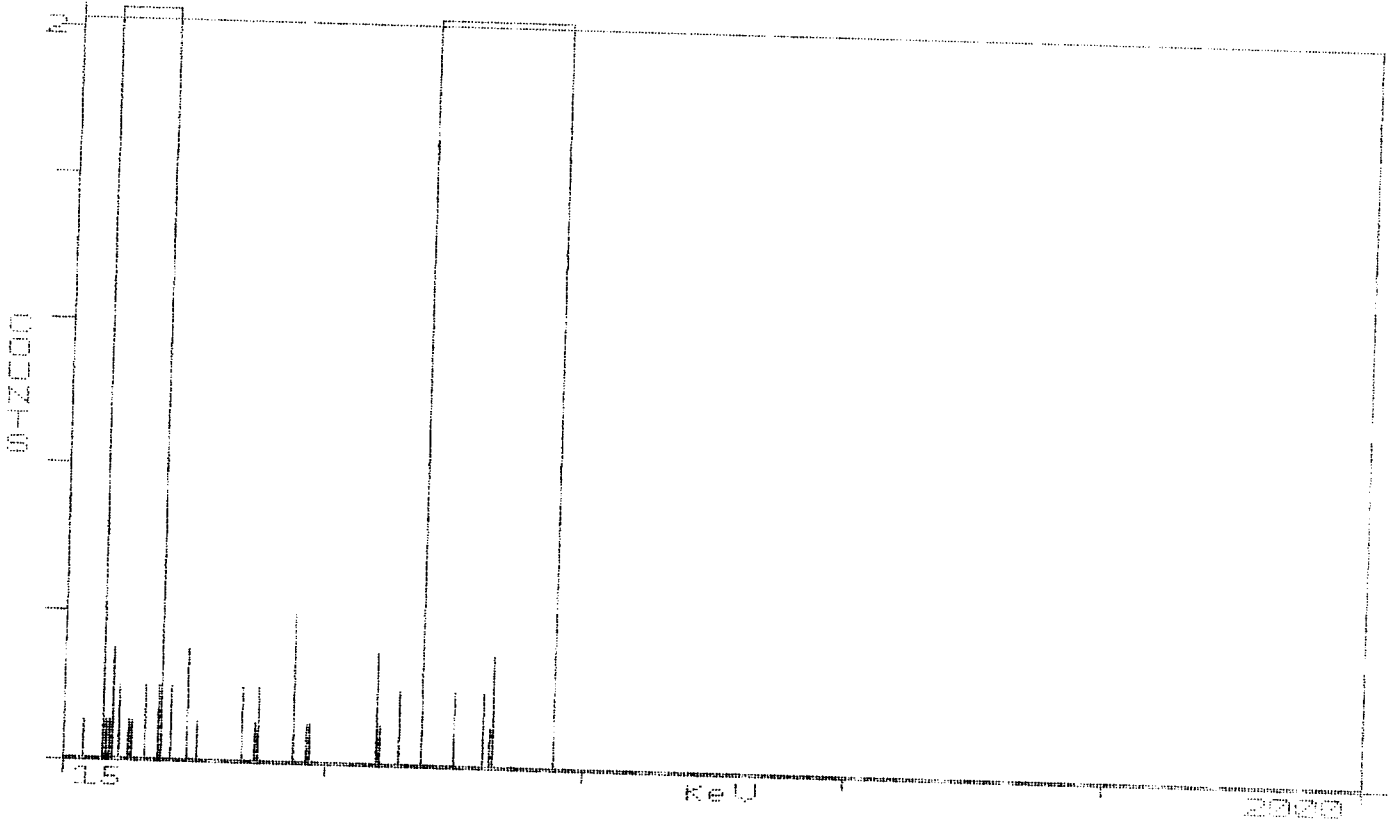
S#	TIME	CPMA	DPM1	MDA at 95% CL:
1	1.00	0		
2	1.00	6	12	2.7 cpm above background.
3	1.00	0	0	
4	1.00	0	0	
5	1.00	0	0	
6	1.00	0	0	
7	1.00	0	0	
8	1.00	4	8	
9	1.00	0	0	
10	1.00	0	0	
11	1.00	8	16	
12	1.00	2	0	
13	1.00	0	0	
14	1.00	3	6	
15	1.00	5	10	
16	1.00	5	10	
17	1.00	5	10	
18	1.00	0	0	
19	1.00	0	0	
20	1.00	8	16	
21	1.00	11	22	
22	1.00	0	0	
23	1.00	0	0	
24	1.00	7	14	
25	1.00	0	0	
26	1.00	0	0	
27	1.00	10	20	
28	1.00	0	0	
29	1.00	0	0	
30	1.00	1	0	
31	1.00	5	10	
32	1.00	0	0	
33	1.00	0	0	
34	1.00	0	0	
35	1.00	0	0	
36	1.00	0	0	
37	1.00	0	0	

Cardinal Medical & Health Physics

S # : 37

Time : 1.00

	LL	UL	CPM	%Sigma
Region A :	75	165	0.000	13.2
Region B :	562	762	0	12.3
Region C :	15	2000	0	4.9



**SHIPPING PAPER FOR DANGEROUS GOODS**

CARRIER: Cardinal Health

ORIGIN: TIME: 11:00

DATE: 12-21-2007

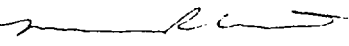
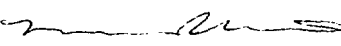
<p><b>SHIPPER:</b>                  Cardiology &amp; Critical Care Consultants                  Watson Medical Plaza                  3915 Watson Street, Ste. 103                  St. Louis, MO 63109</p>	<p><b>CONSIGNEE NAME AND ADDRESS:</b>                  Cardinal Health 414, Inc.                  Medical &amp; Health Physics                  9668 Marion Ridge                  Kansas City, MO 64137</p> <p>RAM # 04-26507-01MD</p>
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<u>Proper Shipping Name:</u> Radioactive Material, Type A Package	<u>Hazard Class</u> 7	<u>UN No.</u> UN 2915
--	--------------------------	--------------------------

NATURE AND QUANTITY OF DANGEROUS GOODS				
<u>NO. PIECES</u>	<u>RADIONUCLIDE</u>	<u>CHEMICAL FORM/PHYSICAL STATE</u>	<u>ACTIVITY - MBq</u>	<u>ACTIVITY - mCi</u>
1	Cobalt 57 (Flood Field Source SN: BM-02100358)	SOLID SEALED SOURCE	72.2 MBq	1.95 mCi
Total Activity Contained in one (1) box:			<u>72.2 MBq</u>	<u>1.95 mCi</u>

<b>RADIOACTIVE LABEL CATEGORY:</b>		
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">WHITE I</div>	YELLOW II	Transportation Index: _____
<b>EMERGENCY CONTACT: 816-966-2020</b>		

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to applicable regulations for the Department of Transportation.

Certified By:		Name/Title of Signatory:		
				
Date:	Time:	Date:	Time:	
12-21-07	12:00	12-21-07	12:00	

**SHIPPING PAPER FOR DANGEROUS GOODS**

CARRIER: SAME AS SHIPPER

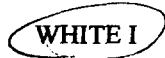
ORIGIN: TIME: 11:00

DATE: 12-21-2007



<p><b>SHIPPER:</b>                  Cardiology &amp; Critical Care Consultants                  Watson Medical Plaza                  3915 Watson Street, Ste. 103                  St. Louis, MO 63109</p>	<p><b>CONSIGNEE NAME AND ADDRESS:</b>                  Cardinal Health 414, Inc.                  Medical &amp; Health Physics                  9668 Marion Ridge                  Kansas City, MO 64137</p> <p>RAM # 04-26507-01MD</p>
---	---

<p><u>Proper Shipping Name:</u>                  Radioactive Material, Type A Package</p>	<p><u>Hazard Class</u>                  7</p>	<p><u>UN No.</u>                  UN 2915</p>
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NATURE AND QUANTITY OF DANGEROUS GOODS				
<u>NO. PIECES</u>	<u>RADIONUCLIDE</u>	<u>CHEMICAL FORM/PHYSICAL STATE</u>	<u>ACTIVITY - MBq</u>	<u>ACTIVITY - mCi</u>
1	Cs-137	SOLID SEALED SOURCE	4.42 MBq	0.1195 mCi
1	Cs-137	SOLID SEALED SOURCE	0.034 MBq	0.00092 mCi
Total Activity Contained in one (1) box:			<u>4.454 MBq</u>	<u>0.1195 mCi</u>

<b>RADIOACTIVE LABEL CATEGORY:</b>		
	YELLOW II	Transportation Index: _____
<b>EMERGENCY CONTACT: 816-807-8090</b>		

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to applicable regulations for the Department of Transportation.

Certified By:		Name/Title of Signatory:			
					
Date:	Time:	Date:	Time:		
12-21-07	12:00	12-21-07	12:00		


**B**

# RETURN PACKING LIST

**FROM:**

Company Name CARDINAL HEALTH  
 Address 91608 MARION RIDGE  
 City KANSAS CITY State MO  
 Zip 64137  
 Contact Name MARCIA WEST  
 Phone Number 816-807-8090

**SEND TO:**

 **Isotope Products  
Laboratories**  
 An Eckert & Ziegler Company  
 1800 North Keystone Street  
 Burbank, CA 91504  
 Tel 661-309-1010  
 Fax 661-257-8303  
 E-mail: nucmedsales@isotopeproducts.com

**RETURN #RA - 89040**

**STOP:** Fill in the return number to the left. This packing list must be affixed to the outside of the package. Each returned source to IPL must be on a one-to-one exchange basis only. For additional returns, please contact IPL customer service for additional cost considerations.

**Important: Please complete all requested information below.**

Nuclide	Activity	Reference Date	Serial Number	Capsule Description
1) <u>Cs-137</u>	<u>217.1 µCi</u>	<u>APR 1, 2004</u>	<u>1014-57-4</u>	<u>Sealed Solid Vial</u>
2) _____	_____	_____	_____	_____
3) _____	_____	_____	_____	_____
4) _____	_____	_____	_____	_____
5) _____	_____	_____	_____	_____

**FAX NUMBER:**

816-974-1443

NOTE: FAX number must be provided to ensure acknowledgement of return receipt.

This section for IPL internal use only

**Received at IPL By:**

Print Name ISIDORO LANDEROS

Date 7 JAN 08

All source(s) received at IPL per packing slip? Yes  No



# RETURN PACKING LIST

**FROM:**

Company Name CARDINAL HEALTH

Address 9668 MARION RIDGE

City KANSAS CITY state MO

Zip 64137

Contact Name MARCIA WEST

Phone Number 816-807-8090

**SEND TO:**

 **Isotope Products  
Laboratories**

An Eckert & Ziegler Company

1800 North Keystone Street  
Burbank, CA 91504

Tel 661-309-1010  
Fax 661-257-8303  
E-mail: nucmedsales@isotopeproducts.com

**RETURN #RA- 86812**

**STOP:** Fill in the return number to the left. This packing list must be affixed to the outside of the package. Each returned source to IPL must be on a one-to-one exchange basis only. For additional returns, please contact IPL customer service for additional cost considerations.

**Important: Please complete all requested information below.**

Nuclide	Activity	Reference Date	Serial Number	Capsule Description
1) <u>Co-57</u>	<u>10mCi</u>	<u>March 22, 2006</u>	<u>Bm-02100358</u>	<u>Sealed Solid Flccl</u> <small>RADON</small>
2) _____	_____	_____	_____	_____
3) _____	_____	_____	_____	_____
4) _____	_____	_____	_____	_____
5) _____	_____	_____	_____	_____

**FAX NUMBER:** 816-974-1443

NOTE: FAX number must be provided to ensure acknowledgement of return receipt.

This section for IPL internal use only

**Received at IPL By:**

Print Name ISIDORO LANDROS

Date 7 JAN 08

All source(s) received at IPL per packing slip? Yes  No



# Sealed Source Transfer Statement

**Licensee:** Cardiology & Critical Care Consultants      **License #:** 24-32492-01

**Location:** 3915 Watson St.; Ste. 103      **Date:** 12-21-2007  
St. Louis, MO 64137

## Source Information

**Isotope:** Co-57 Flood Source      **Manufacturer:** Benchmark  
**Model #:** Bm 02-01      **Serial #:** BM-02100358  
**Remaining Activity:** 1.95 mCi      **Calibration Date:** 3-22-06

## T.I. Source Measurements

*Bkg Reading: 0.08 mR/hr*

1. Surface Reading	<u>0.52</u> mR/hr	1. Meter Reading	<u>0.08</u> mR/hr
2. Surface Reading	_____ mR/hr	2. Meter Reading	_____ mR/hr
3. Surface Reading	_____ mR/hr	3. Meter Reading	_____ mR/hr

## Transfer Information

**Licensee:** Cardinal Health 414, Inc.      **License #:** 04-26507-01MD

**Location:** 9668 Marion Ridge      **Date:** 12-21-2007  
Kansas City, MO 64137

Shipper/Licensee

Radiation Safety Officer: B. Mikhael      Date: \_\_\_\_\_

Recipient

Radiation Safety Officer: Amr Alkharzi      Date: 12/24/07

# Sealed Source Transfer Statement

**Licensee:** Cardiology & Critical Care Consultants      **License #:** 24-32492-01

**Location:** 3915 Watson St.; Ste. 103      **Date:** 12-21-2007  
St. Louis, MO 64137

## Source Information

**Isotope:** Cs-137 Vial      **Manufacturer:** Isotope Products  
**Model #:** 217.1 uci      **Serial #:** 1014-57-4  
**Remaining Activity:** 119.5 uCi      **Calibration Date:** 4-1-04

## T.I. Source Measurements

*Bkg Reading: 0.08 mR/hr*

1. Surface Reading	<u>1.86</u> mR/hr	1. Meter Reading	<u>0.08</u> mR/hr
2. Surface Reading	_____ mR/hr	2. Meter Reading	_____ mR/hr
3. Surface Reading	_____ mR/hr	3. Meter Reading	_____ mR/hr

## Transfer Information

**Licensee:** Cardinal Health 414, Inc.      **License #:** 04-26507-01MD

**Location:** 9668 Marion Ridge      **Date:** 12-21-2007  
Kansas City, MO 64137

Shipper/Licensee  
X Radiation Safety Officer: B. Mikhael      Date: \_\_\_\_\_

Recipient  
Radiation Safety Officer: Amir Almasi      Date: 12/24/07

## Sealed Source Transfer Statement

**Licensee:** Cardiology & Critical Care Consultants      **License #:** 24-32492-01

**Location:** 3915 Watson St.; Ste. 103      **Date:** 12-21-2007  
St. Louis, MO 64137

### Source Information

**Isotope:** Cs-137 Spot      **Manufacturer:** Spectrum Technologies  
**Model #:** \_\_\_\_\_      **Serial #:** 345  
**Remaining Activity:** 0.92 uCi      **Calibration Date:** 1.0 uCi on 3-04

### T.I. Source Measurements

*Bkg Reading: 0.08 mR/hr*

1. Surface Reading	<u>0.611</u> mR/hr	1. Meter Reading	<u>0.049</u> mR/hr
2. Surface Reading	_____ mR/hr	2. Meter Reading	_____ mR/hr
3. Surface Reading	_____ mR/hr	3. Meter Reading	_____ mR/hr

### Transfer Information

**Licensee:** Cardinal Health 414, Inc.      **License #:** 04-26507-01MD

**Location:** 9668 Marion Ridge      **Date:** 12-21-2007  
Kansas City, MO 64137

X Shipper/Licensee

Radiation Safety Officer: B. Mikhael      Date: \_\_\_\_\_

Recipient

Radiation Safety Officer: Anna Wilson      Date: 12/24/07

Cardinal Health  
Medical & Health Physics Services  
9668 Marion Drive  
Kansas City, MO 64137



Materials Licensing Section  
U.S. Nuclear Regulatory  
Commission, Region III  
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Lisle, IL 60532-4352

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