



March 30, 2020

Debra Breining
CIMA HEART INSTITUTE AND TESTING CENTER
3960 Patient Care Drive, Ste. 109
Lansing, MI 48911

Dear Ms. Breining:

Please find the enclosed information required for the decommissioning of your NRC license. The following steps need to be taken for completion.

1. Review carefully and be sure all information is correct. Fill in the **current date** on the Cover letter to the NRC. **Retype or copy** the NRC cover letter onto **Facility** letterhead.
2. Executive management (VP or higher) must sign the cover letter to NRC, the close-out page with survey and wipe results, and sign and date the Disposition of Materials (314) form. Also add to the 314 form Deb's email address, and the address of future correspondence.
3. Make 1 copy of the cover letter, close-out survey and numbered diagram, the wipes and survey page, NRC 314 form, confirmation of returned sources from Hot Shots, and sealed source leak test page.
4. Mail to the following address: ***Fed Ex or UPS is advised.***

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Office of Materials Licensing
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

5. File the original in the MPC binder under the license correspondence tab.

It has been a pleasure to work with you. If you have any questions or I may be of assistance, please contact me by phone at (734) 662-3197 or email lluna@mpcphysics.com.

Respectfully Yours,

Laura M. Luna, B.S.
Medical Physics Consultant

Enclosures

Corporate: 214 E. Huron Street, Ann Arbor, MI 48104 (734) 662-3197 Fax: (734) 662-9224

Regional: 50 E. 91st Street, Suite 211, Indianapolis, IN 46240 (317) 581-1911 Fax: (317) 581-1931

Salt Lake City, UT ✱ Sussex, WI ✱ Springfield, IL

www.mpcphysics.com ✱ mpc@mpcphysics.com

RECEIVED APR 09 2020



CERTIFICATE OF DISPOSITION OF MATERIALS

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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollections.Resource@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.

LICENSEE NAME AND ADDRESS

CIMA Heart Institute and Testing Center
3960 Patient Care Drive
Lansing, MI 48911

LICENSE NUMBER

21-32508-01

DOCKET NUMBER

LICENSE EXPIRATION DATE

05/31/2024

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:
Hot Shots, 3960 Patient Care Drive, St. 105, Lansing, MI 48911. NRC license #
 - 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	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Debra Breining	Technologist	(989) 277-6705	dmbreining@gmail.com

Mail all future correspondence regarding this license to:

Debra Breining, 7500 S. Chatworth Cir., Sioux Falls, SD, 57108

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
MICHELE MORLOCK EXECUTIVE DIRECTOR	<i>Michele Morlock</i>	4/3/20

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.



CIMA HEART INSTITUTE AND TESTING CENTER

3960 Patient Care Dr., Suite 109 • Lansing, MI 48911
(517) 853-5581 • Fax: (517) 272-0974
Visit us on the web at: cimamed.com



4/3/2020

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

Close-out request for CIMA Heart Institute and Testing Center, #21-32508-01

A close-out survey was performed on March 30, 2020 of address 3960 Patient Care Drive, Lansing, MI 48911 and is enclosed for your review.

1. The last date of receipt of radioactive material was November 25, 2019. Sealed sources were on site until they were transferred to the Hot Shots Pharmacy on March 26, 2020. Tc-99m was the only radionuclide used at this address.
2. A current copy of the leak test results for the sealed sources used at our facility is enclosed for your review.
3. Also the documentation for the confirmation of the transfer of our sealed sources to Hot Shots Pharmacy is enclosed.
4. We did not dispose of radioactive materials by release to sewers or incineration.
5. In addition, there were no spills of any long-lived radioactive material or on-site burials of radioactive materials.

Cordially,

Michele Morlock, BSN, JD Executive Director
CIMA Heart Institute and Testing Center

Close-out Survey

Date Performed: March 30, 2020

Performed By: Laura Luna, Physics Consultant

Wipe tests analyzed with Ludlum 2200 well counter. Efficiency for Cobalt-57 is 1.25 dpm/cpm. MDA is 95 dpm. A generic conversion factor of 2 dpm/cpm was used. This efficiency was performed March 18, 2019.

Survey performed with Ludlum survey meter model 14C with end window probe S/N # 210332, calibrated on 1/17/20 with a check source reading of 0.6 mR/hr. Range used was 0.1 mR/hr.

All sealed radioactive sources were transferred to Hot Shots Pharmacy, NRC license # 21-26597-01MD. Documentation of receipt is enclosed.

Visual Check

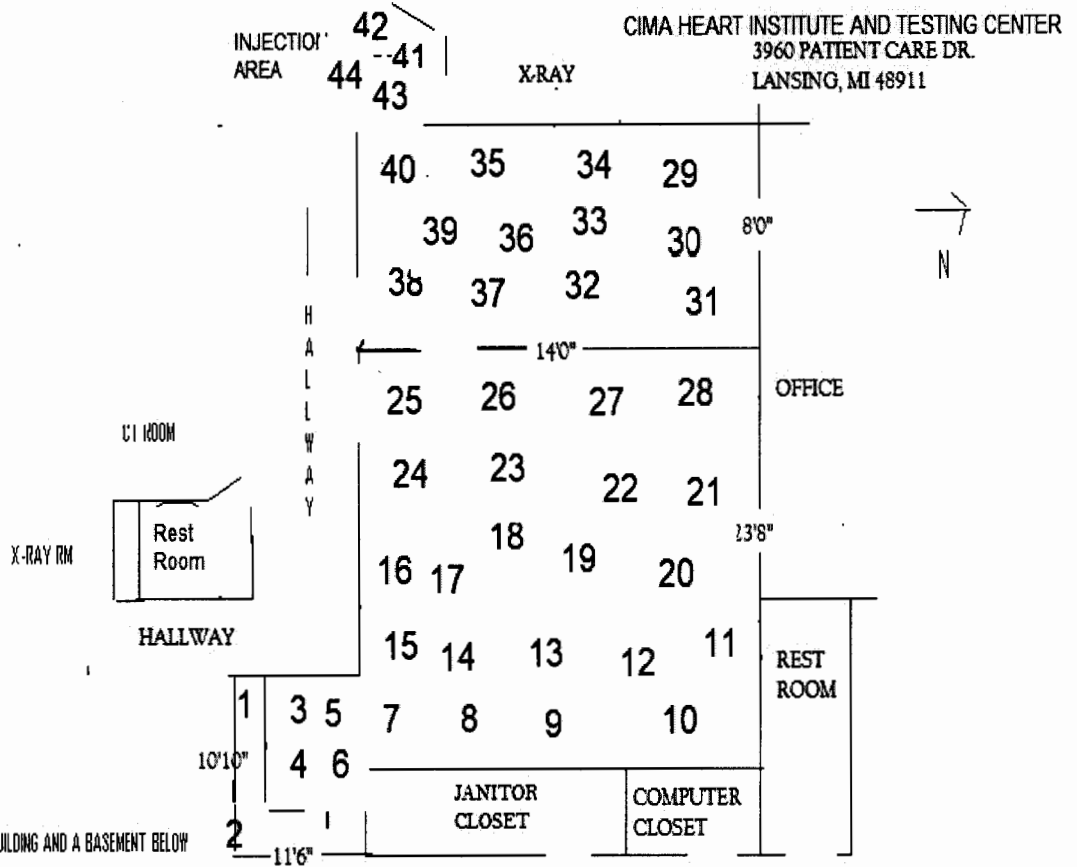
The area was checked to ensure that all radioactive material had been removed. No radioactive material was located.

Radiation Level Survey

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

Numbered Diagram

CIMA Heart Institute and Testing Center, # 21-32508-01
 3960 Patient Care Drive, Ste. 109
 Lansing, MI 48911



THERE IS NOTHING ABOVE THIS BUILDING AND A BASEMENT BELOW USED FOR STORAGE.

THE HOT LAB DOORS WILL BE UNDER LOCK AND/OR KEY AT ALL TIMES.



Sealed Source Leak Test

Licensee: CIMA Heart Institute & Testing Center

Date: 12/20/19

Performed by: Laura Luna

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	208.4 uCi	03/01/05	Hot Lab	IPL	1093-74-7
Current Activity: 148.01 uCi						
Ba-133	Vial	246.4 uCi	03/01/05	Hot Lab	IPL	1093-63-8
Current Activity: 92.914 uCi						
Co-57	Flood	10 mCi	05/01/15	Hot Lab	MED3727	1810-104
Current Activity: 0.131 mCi						

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 leak test wipes were analyzed using instrumentation capable of detecting 185 Bq (0.005 uCi) radioactivity on the wipe.

RADIATION SAFETY OFFICER: _____

CIMA HEART INSTITUTE AND TESTING CENTER

LICENSE #: 21-32508-01

DATE: 3/30/20

WELL COUNTER: 2200 SN# 3487322

MDA: 95

SURVEY METER: Ludlum 14C SN# 210332

CK. VALUE: 0.6

CAL DATE: 1/17/2020

PERFORMED BY: Laura M. Luna, BS

	AREA	dpm	mR/h		AREA	dpm	mR/h
1	HL COUNTER	0	0.02	31	Stress Rm	52	0.02
2	RA STORAGE	0	0.02	32	Stress Rm	52	0.02
3	HL FLOOR	0	0.02	33	Stress Rm	52	0.02
4	HL FLOOR	0	0.02	34	Stress Rm	52	0.02
5	HL FLOOR	0	0.02	35	Stress Rm	52	0.02
6	HL FLOOR	0	0.02	36	Stress Rm	10	0.02
7	HL FLOOR	0	0.02	37	Stress Rm	10	0.02
8	HL FLOOR	0	0.02	38	Stress Rm	10	0.02
9	Imaging Rm	0	0.02	39	Stress Rm	10	0.02
10	Imaging Rm	0	0.02	40	Stress Rm	10	0.02
11	Imaging Rm	40	0.02	41	Inj Area	0	0.02
12	Imaging Rm	40	0.02	42	Inj Area	0	0.02
13	Imaging Rm	40	0.02	43	Inj Area	0	0.02
14	Imaging Rm	40	0.02	44	Inj Area	0	0.02
15	Imaging Rm	40	0.02	45			
16	Imaging Rm	32	0.02	46			
17	Imaging Rm	32	0.02	47			
18	Imaging Rm	32	0.02	48			
19	Imaging Rm	32	0.02	49			
20	Imaging Rm	32	0.02	50			
21	Imaging Rm	0	0.02	51			
22	Imaging Rm	0	0.02	52			
23	Imaging Rm	0	0.02	53			
24	Imaging Rm	0	0.02	54			
25	Imaging Rm	0	0.02	55			
26	Stress Rm	0	0.02				
27	Stress Rm	0	0.02				
28	Stress Rm	0	0.02				
29	Stress Rm	0	0.02				
30	Stress Rm	0	0.02				

ACTION LEVEL: 200 dpm

EFFICIENCY (dpm/cpm): 2.0 dpm

Background: 108 cpm

NO EVIDENCE OF REMOVABLE CONTAMINATION

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