

March 24, 2020

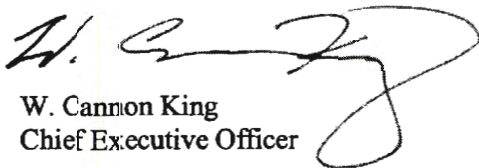
U. S. Nuclear Regulatory Commission
Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Dear Sir or Madam:

Advanced Medical Imaging would like to terminate its Byproduct Materials License, Number 13-32467-01. Licensed materials use ceased as of January 24, 2020. Supporting documentation for this request is enclosed. Termination paperwork wasn't sent to the NRC until our recent transfer of ownership amendment was completed.

If there are any questions concerning this license amendment, please contact our nuclear medicine physicist, Mr. Bryce A. Caudle, DABSNM at 317-443-9035 or by email at bcaudle@mpcphysics.com.

Sincerely,



W. Cannon King
Chief Executive Officer

RECEIVED MAR 31 2020

CERTIFICATE OF DISPOSITION OF MATERIALS

PLEASE READ THESE INSTRUCTIONS BEFORE COMPLETING NRC FORM 314.

Subpart E of 10 CFR Part 20 establishes the radiological criteria for license terminations/decommissioning of facilities licensed under 10 CFR Parts 30, 40, 50, 60, 61, 70, and 72, as well as other facilities subject to the Commission's jurisdiction under the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, as amended.

INSTRUCTIONS

Section B, Item 2.

Licensees should describe the specific radioactive material transfer actions. If radioactive wastes were generated in terminating this license, the licensee should describe the disposal actions taken, including the disposition of low-level radioactive waste, mixed waste, greater-than-Class-C waste, and sealed sources.

Section B, Item 2.a.

The information provided concerning the transfer of radioactive material to another licensee should specify the date of the transfer, the name of the licensee recipient, an individual contact name and telephone number for the licensee recipient, and the recipient's NRC or Agreement State license number.

Section B, Item 2.b.

For disposal of radioactive materials, licensees should describe the specific disposal method or procedure (e.g., decay-in-storage). For those cases when radioactive materials are disposed of by a licensed disposal site or by a waste contractor, the licensee should specify the name, address, and telephone number of the licensed disposal site operator or waste contractor.

Section B, Item 2.c.

"Residual radioactivity," as defined in 10 CFR 20.1003, means radioactivity in 'areas' (structures, materials, soils, etc.) remaining as a result of activities (licensed and unlicensed) under the licensee's control from sources used by the licensee, excluding background radiation. ALARA is defined in 10 CFR 20.1003.

FILE CERTIFICATES AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND CERTIFICATES TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND CERTIFICATES TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND CERTIFICATES TO:

MATERIAL RADIATION PROTECTION SECTION
U. S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511



**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

Advanced Medical Imaging
2008 West Boulevard
Kokomo, IN 46902

LICENSE NUMBER

13-32467-01

DOCKET NUMBER

LICENSE EXPIRATION DATE

12/31/2023

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:
- b. Disposal of radioactive materials:
1. Directly by the licensee:
2. By licensed disposal site:
3. By waste contractor:
Eckert and Ziegler Isotope Products
- 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
Bryce Caudle	Nuclear Medical Physicist	(317) 443-9035	bcaudle@mpcphysics.com

Mail all future correspondence regarding this license to:

Scott Morrow, Advanced Medical Imaging, 2008 West Boulevard, Kokomo, IN 46902

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
W. Cannon King, Chief Manager		3/26/20

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.

Close-out survey of Nuclear Medicine Department, Advanced Medical Imaging
2008 West Boulevard, Kokomo, IN 46902

Performed by: Bryce A. Caudle, M.S., DABSNM
Medical Physics Consultants, Inc.

Radioactive materials usage at this location of use was limited to materials licensed under 10 CFR 35.100, 35.200 and 35.300. Sealed radioactive sources were possessed and used for equipment quality control.

Wipe tests for removable radioactive contamination were taken on 1/31/20 and analyzed in a Ludlum Model 243 (S/N: 145366) Shielded Well Scintillator coupled to a Ludlum Model 2200 (S/N: 138705) Scaler Ratemeter. A window of 50 to 400 keV was used to analyze the wipes. The efficiency of this system for cobalt-57 is 1.09 dpm/cpm. The results of the wipe samples are enclosed.

The radiation levels survey was performed on 1/31/20 by Bryce Caudle, using a Ludlum Model 3 Geiger-Muller survey meter (S/N: 193960) with an end-window probe. The meter was calibrated on 5/13/19. The range used for the radiation level survey was 0.0 to 0.2 mR/hr.

Visual Inspection

The area was visually inspected to ensure that all radioactive waste had been removed. No radioactive material was located in the area. All radioactive material signage has been removed from the area.

Radiation Level Survey

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

Sealed Sources

All sources have been transferred to an approved disposal company. Acknowledgement of receipt by the disposal company is enclosed.

Removable Contamination Survey Results

Wipe samples were counted in a Ludlum Model 243 Shielded Well Scintillator (S/N: 145366) coupled to a Ludlum Model 2200 Scaler Ratemeter (S/N: 138705). The efficiency of this system for cobalt-57 is 1.09 dpm/cpm.

Background: 346 counts per minute

Wipe Number	Gross counts per minute	Net counts per minute	Disintegrations per minute
1	334	0	0
2	393	47	51.23
3	324	0	0
4	316	0	0
5	345	0	0
6	312	0	0
7	377	31	33.79
8	376	30	32.7
9	296	0	0
10	353	7	7.63
11	300	0	0
12	320	0	0
13	363	17	18.53
14	344	0	0
15	323	0	0
16	344	0	0
17	327	0	0
18	355	9	9.81
19	359	13	14.17
20	311	0	0
21	373	27	29.43

*Please refer to the attached survey map for wipe locations.

Maximum removable contamination occurred in area 2. Gross count rate = 393 cpm/100cm². Net count rate (gross minus background) = 393 - 346 = 47 cpm/100cm². Net removable disintegrations per minute = 47 cpm/100cm² x 1.09 dpm/cpm = 51.23 dpm/100cm².

Conclusion

All radioactive materials have been removed from the area of use and no removable contamination is present.



Sealed Source Inventory

Facility: Advanced Medical Imaging

Date: 08/01/19

Performed by: Bryce Caudle

Nuclide	Type	Location	M/N	S/N	Manufacturer
Cs-137	Vial	Hot Lab	MED3550	36299	
Calibration Activity:	219 uCi	Calibration Date:	05/01/03	Current Activity	150.6 uCi
Cs-137	Rod	Hot Lab	IPL	780-34-44	
Calibration Activity:	0.5 uCi	Calibration Date:	08/01/03	Current Activity	0.345 uCi
Co-57	Flood	Hot Lab	MED3709	2011-170	
Calibration Activity:	15 mCi	Calibration Date:	06/01/18	Current Activity	5.044 mCi

SEALED SOURCE AMBIENT EXPOSURE SURVEY

Meter: Ludlum

Max Reading: 0.08 mR/hr

RADIATION SAFETY OFFICER: _____



Receiving
Eckert & Ziegler Isotope Products Ltd.
1800 N Keystone St.
Burbank, CA 91504
United States

Telephone +1-661-309-1010
Fax +1-661-257-8303

Shipped From:
Advanced Medical Imaging

Bryce Caudle, 317-443-9035
bcaudle@mpcphysics.com
2008 West Blvd.
Kokomo, IN 46902
United States

Return Acknowledgement

Return Number CO-411601
RMA number RMA-003764
Date 2/4/2020
Page 1 of 1
Customer account CARDINAL
Customer reference Received on 2/3/2020
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 for your business.

Item number	Batch number	Serial number	Quantity returned	Description
EXCHANGE	36299		1.00	Misc item for recycle/disposal Vial-NASI (MED3550)
	Nuclide Info: Cs-137	219 uCi	Ref. Date: 5/1/2003	
GF-0008		780-34-44	1.00	CE1: 5" Rod, Cs-137, 0.5uCi (18.5kBq), 1102, Type R2 Rod, Exempt 127mm H x 12.7 mm D, Nominal, Exempt Qty. Rod Source
	Nuclide Info: Cs-137	0.5 uCi	Ref. Date: 8/1/2003	

**Receiving**

Eckert & Ziegler Isotope Products Ltd.
1800 N Keystone St.
Burbank, CA 91504
United States

Telephone +1-661-309-1010
Fax +1-661-257-8303

Shipped From:

Advanced Medical Imaging

Bryce Caudle, 317-443-9035
bcaudle@mpcphysics.com
2008 West Blvd.
Kokomo, IN 46902
United States

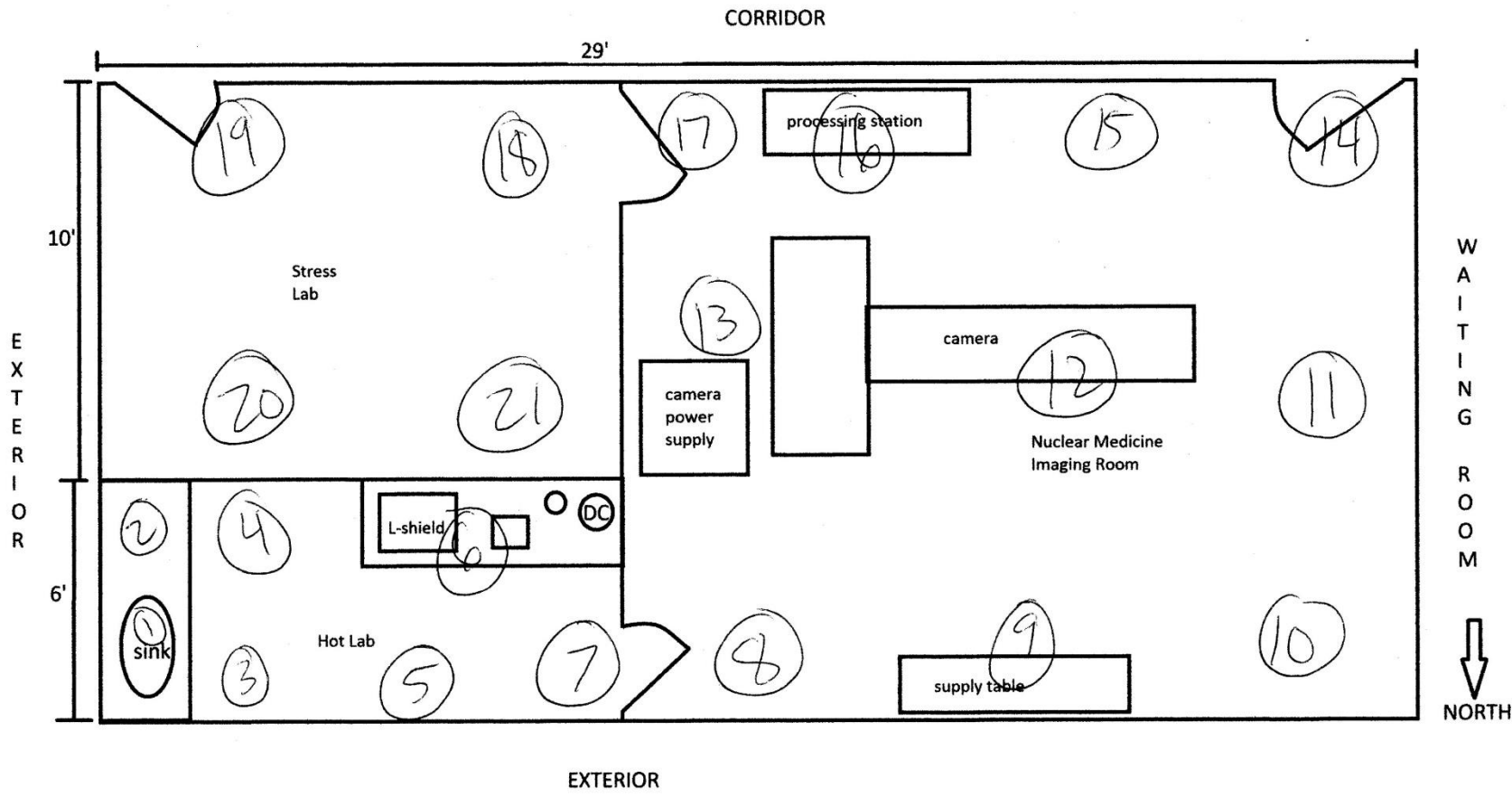
Return Acknowledgement

Return Number CO-411601
RMA number RMA-003763
Date 2/4/2020
Page 1 of 1
Customer account CARDINAL
Customer reference Received on 2/3/2020
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 for your business.

Item number	Batch number	Serial number	Quantity returned	Description
A3525-2-15M		2011-170	1.00	COMPONENT : R24 Flood Source MED3709
Nuclide Info: Co-57		15 mCi	Ref. Date: 6/1/2018	



Advanced Nuclear Medicine, LLC
 Nuclear Medicine Department



Sealed Source Leak Test

Licensee: Advanced Medical Imaging

Date: 01/31/20

Performed by: Bryce Caudle

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Cs-137	Vial	219.3 uCi	05/01/03	Hot Lab	MED3550	36299
		Current Activity: 150.62uCi				
Cs-137	Rod	0.5 uCi	08/01/03	Hot Lab	IPL	780-34-44
		Current Activity: 0.345uCi				
Co-57	Flood	15 mCi	06/01/18	Hot Lab	MED3709	2011-170
		Current Activity: 5.044mCi				

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: _____



Advanced Medical Imaging
2008 West Boulevard
Kokomo, IN 46902

Return Service Requested



US Nuclear Regulatory Commission
Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RECEIVED MAR 31 2020

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