

Leslie Austere  
Regarding: Advanced Medical Testing Systems  
277 Middle Road  
Santa Barbara, CA 93108

Materials Licensing Section  
Attention: Bryan A. Parker, Health Physicist  
U. S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Ste. 210  
Lisle, Illinois 60532-4352

**RE: CONTROL NUMBER 584592**

November 3, 2015

To Whom It May Concern:

**Termination of NRC License No.: 24-25953-01**

**This is a request to terminate NRC License No.: 24-25953-01:**

Please terminate NRC License No.: 24-25953-01, "Advanced Medical Testing Systems" at 235  
Dunn Road, Florissant, MO 63031. Submitted is a Decommissioning Report in accordance with  
documentation found in NUREG-1757, Vol. 1, Rev. 2.

Should there be any further needed information or clarification, please direct questions to our  
Medical Physicist, John J. Chorzel, M.S., DABR, at 314-809-7511.

Sincerely,



Leslie Austere  
Advanced Medical Testing Systems

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# Advanced Medical Testing Systems

Rooms: Imaging Room, Hot Lab

## Decommissioning Report

November 3, 2015

The following information is submitted for release of Nuclear Medicine Rooms: Imaging Room, and Hot Lab for unrestricted use.

1) Isotopes Used:

<u>Isotope</u>	<u>Type</u>	<u>Form</u>	<u>Quantity</u>
Tc99m	Diagnostic	liquid	NA
Co57	Calibration	Solid/Sealed	<1 mCi, 10mCi
Cs137	Calibration	Solid/Sealed	<1 mCi
Ba133	Calibration	Solid/Sealed	<0.5 mCi

2) Neither major nor minor spills have occurred.

3) No sources were determined to be leaking in this area. (Leak Test surveys attached)

4) Final Surveys (attachment 2a)

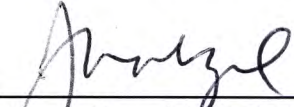
5) Survey Instrumentation

a) Survey Meter: Ludlum 14C sn: 179532  
Detector: EWGM  
Calibration: 10/2015  
Check Source: 1.5mR/hr (x1 scale)  
Meter Display: 0-2 R/hr

b) Wipe Test Counter: Capintec CAPRAC sn: 000323  
Efficiency: 31%

6) Maps (attachment 2b)

7) Disposition of Materials (attached are NRC FORM 314, "Certification of Disposition of Materials", and letter of receipt from NRC Lic.#24-20091-01)

  
\_\_\_\_\_  
John J. Chorzel, M.S., DABR  
Medical Physicist

ATTACHMENT 2a

Decommissioning Survey

Advanced Medical Testing Systems

November 3, 2015

Equipment Used for Survey

Survey Meter: Ludlum 14C #179532  
Calibrated 10/20105

Wipe Test: CAPRAC #000323  
Efficiency: 31%

Results

Location	Survey (mR/hr)	Wipe Test (dpm/100cm <sup>2</sup> )
Key 1 - Floor	<0.02	<background
Key 2 - Floor	<0.02	<background
Key 3 - Floor	<0.02	<background
Key 4 - Floor	<0.02	<background
Key 5 - Floor	<0.02	<background
Key 6 - Sink	<0.02	<background
Key 7 - Bench	<0.02	<background
Key 8 - Floor	<0.02	<background

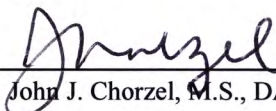
Surveys at 1cm from surface.

Background = < 0.02 mR/hr survey, 541 cpm wipe counter

Conclusion

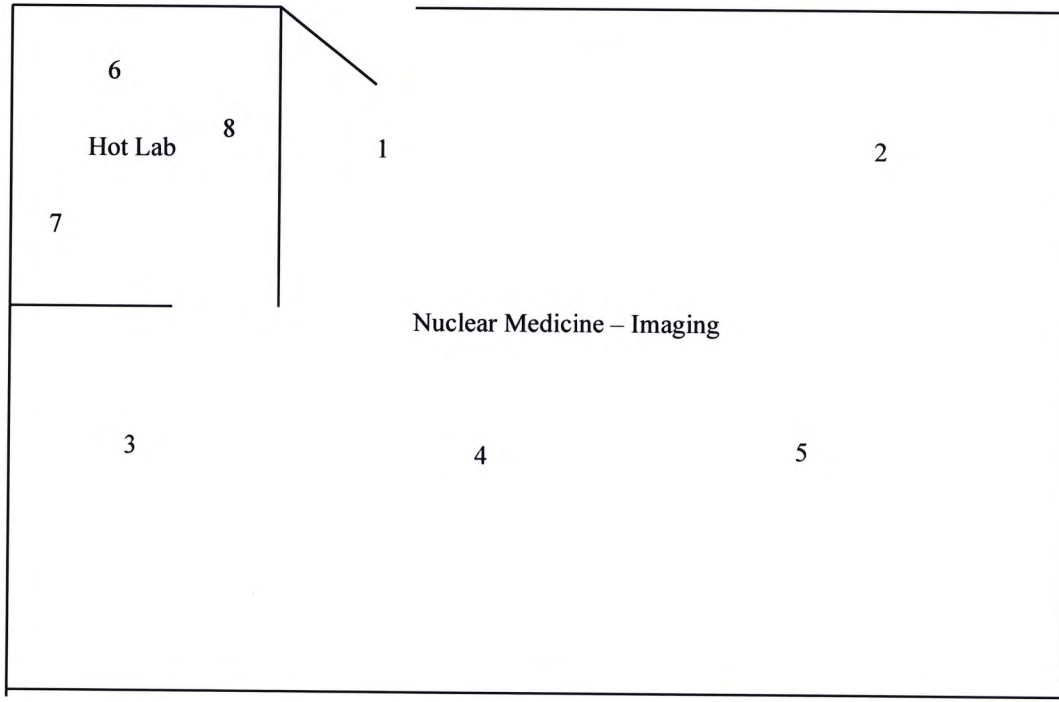
Radiation surveys and removable contamination levels are below release criteria for these isotopes.

This room may be released for unrestricted use pending NRC approval.

  
\_\_\_\_\_  
John J. Chorzel, M.S., DABR

ATTACHMENT 2b

Advanced Medical Testing Systems Map of Restricted Areas







**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 internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-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 Testing Systems (The Imaging Center)  
235 Dunn Road  
Florissant, MO 63031

LICENSE NUMBER

24-25953-01

DOCKET NUMBER

LICENSE EXPIRATION DATE

08/31/2014

**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:  
24-20091-01
- b. Disposal of radioactive materials:
1. Directly by the licensee:  
Waste decayed to background (Tc99m), disposed to trash 11/03/2015
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
John J. Chorzel, M.S., DABR	Medical Physicist	(314) 809-7511	medphys@sbcglobal.net

Mail all future correspondence regarding this license to:

Leslie Austere - 277 Middle Road - Santa Barbara, CA 93108

**C. CERTIFYING OFFICIAL**

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
Leslie Austere Advanced Medical Testing Systems (Responsible Party)		11/15/10

**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.**



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**R. M. WESTER and ASSOCIATES, INC**

215 Indacom Drive  
St. Peters, MO 63376  
(636) 928-9628  
www.rmwest.com

**RADIOACTIVE SEALED SOURCE LEAK TEST REPORT**

Test Date: 10/30/2015

Analytical Date: 11/3/2015

**Source Identification:**

Radionuclide: Co-57

Activity: 849 µCi

Manufacturer: Bench Mark

Model No.: BM01-10

Mach S/N: \_\_\_\_\_

Source S/N: 13028203

Sample Submitted By: John Chorzal

Facility: Advanced Medical Testing

Address: 235 Dunn Road

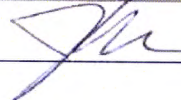
Florissant, MO 63031

The identified sealed source listed above has been tested for leakage of radioactive materials as required by the United States Nuclear Regulatory Commission. The analysis of the wipe material used in testing the sealed source reveals the presence of ≤ 1.31\*10<sup>-5</sup> µCi of loose contamination.

- ( X ) This source is acceptable for continued use.
- ( ) This source has been found to have a level of loose contamination greater than 0.005 µCi of removable radioactive materials, and should be removed from service immediately.
- ( ) Operational and performance check of shutter mechanism satisfactory.

Next Leak Test Date: April 30, 2016

Analysis By: Kenneth Barnes

Reviewed By: 





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**RADIOACTIVE SEALED SOURCE LEAK TEST REPORT**

Test Date: 10/30/2015

Analytical Date: 11/3/2015

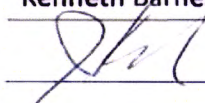
**Source Identification:**

Radionuclide:	<u>Cs-137</u>	Activity:	<u>120<math>\mu</math>Ci</u>
Manufacturer:	<u>Dupont</u>	Model No.:	<u>NES 356</u>
Mach S/N:	<u></u>	Source S/N:	<u>5356008-28</u>

Sample Submitted By: John Chorzal  
Facility: Advanced Medical Testing  
Address: 235 Dunn Road  
Florissant, MO 63031

The identified sealed source listed above has been tested for leakage of radioactive materials as required by the United States Nuclear Regulatory Commission. The analysis of the wipe material used in testing the sealed source reveals the presence of  $\leq 6.65 \times 10^{-5}$   $\mu$ Ci of loose contamination.

- ( X ) This source is acceptable for continued use.
- ( ) This source has been found to have a level of loose contamination greater than 0.005  $\mu$ Ci of removable radioactive materials, and should be removed from service immediately.
- ( ) Operational and performance check of shutter mechanism satisfactory.

Next Leak Test Date: April 30, 2016  
Analysis By: Kenneth Barnes  
Reviewed By: 



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**RADIOACTIVE SEALED SOURCE LEAK TEST REPORT**

Test Date: 10/30/2015

Analytical Date: 11/3/2015

**Source Identification:**

Radionuclide: Ba-133

Activity: 48 µCi

Manufacturer: Dupont

Model No.: NES 358

Mach S/N: \_\_\_\_\_

Source S/N: 5358003-49

Sample Submitted By: John Chorzel

Facility: Advanced Medical Testing

Address: 235 Dunn Road

Florissant, MO 63031

The identified sealed source listed above has been tested for leakage of radioactive materials as required by the United States Nuclear Regulatory Commission. The analysis of the wipe material used in testing the sealed source reveals the presence of ≤ 3.48\*10<sup>-5</sup> µCi of loose contamination.

- ( X ) This source is acceptable for continued use.
- ( ) This source has been found to have a level of loose contamination greater than 0.005 µCi of removable radioactive materials, and should be removed from service immediately.
- ( ) Operational and performance check of shutter mechanism satisfactory.

Next Leak Test Date: April 30, 2016

Analysis By: Kenneth Barnes

Reviewed By: \_\_\_\_\_



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[www.mwester.com](http://www.mwester.com)

November 3, 2015

Mr. John Chorzal  
Medical Physics Consulting Services Inc.  
P. O. Box 579  
Grover, MO 63040-0579

Dear Mr. Chorzal,

This letter is to confirm receipt of the following sources at R. M. Wester and Associates, Inc., license number 24-20091-01 on November 3, 2015 from the former The Imaging Center, 235 Dunn Road, Florissant, MO 63031:

Dupont NES 356, SN: S356008-28, Cs-137, 225  $\mu$ Ci  
Dupont Ruler, SN: 1050, Co-57, 80  $\mu$ Ci  
Dupont NES 358, SN: S358003-49, Ba-133, 278  $\mu$ Ci  
Check Source, CAL2602, SN: 64745, Cs-137, 0.8  $\mu$ Ci  
Spectrum Tech, SN: 127, Cs-137, 0.5  $\mu$ Ci  
The Source, SN: 99-1089, Cs-137, 10  $\mu$ Ci  
Dupont, NES 139S, SN: S1398035, Cs-137, 0.109  $\mu$ Ci  
Bench Mark, BM01-10, SN: 13028203, Co-57, 823  $\mu$ Ci (Current Activity)

Please feel free to contact me if you need additional information.

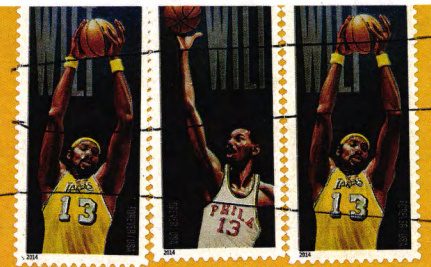
Sincerely,



Joseph D. Koch, PhD, RPIH  
Director of Operations  
R. M. Wester and Associates, Inc.



Leslie Austere  
Advanced Medical Testing Systems  
277 Middle Road  
Santa Barbara, CA 93108



Materials Licensing Section  
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