

FROM :LSMITH PHYSICS

NRC FORM 314 (4-2008) 10 CFR 30.38(j)(1); 40.42(j)(1); 70.38(j)(1); and 72.54(k)(5)(1)(i)	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0028	EXPIRES: 08/31/2010
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 Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20565-0001, or by internet e-mail to infocollect@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 Diagnostics, PLLC dba Adv Diag Services 1220 E. Nine Mile Rd. Ferndale, MI 48220	LICENSE NUMBER 21-32436-01	DOCKET NUMBER
	LICENSE EXPIRATION DATE 01/13/2013	

This license has expired. **A. LICENSE STATUS (Check the appropriate box)** 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:
21-03210-01

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

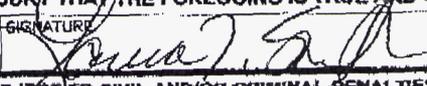
a. The results of the latest leak test are attached; and/or b. No leaking sources have ever been identified.

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

NAME Laura T. Smith	TITLE RSO	TELEPHONE (Include Area Code) (586) 215-5947	E-MAIL ADDRESS lsphysics@att
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Mail all future correspondence regarding this license to:
Laura Smith, 50292 RoseMarie, Chesterfield, MI 48047

C. CERTIFYING OFFICIAL
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE Laura T. Smith, RSO	SIGNATURE 	DATE 12/10/2010
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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.



L. Smith Diagnostic Physics Services
50292 RoseMarie Dr.
Chesterfield, MI 48047
(586) 716-8885
Fax: (586) 716 - 0577

December 5, 2010

U. S. NUCLEAR REGULATORY COMMISSION
Region III
Materials Licensing Branch
2443 Warrenville Road, Ste 210
Lisle, IL 60532-4352

RE: Decommission of Nuclear Medicine Department NRC License #21-32436-01

PHYSICISTS:

MICHIGAN

Laura T. Smith, M.S.
Cell: (586) 215-5947
LSphysics@att.net

Vincent McCormick, M.S.
Cell: (737) 395-9323
V_mccormick@comcast.net

Bill Hack, M.S.

The license and location #21-32436-01 Advanced Medical Diagnostics, PLLC dba Advanced Diag services, LLC 1220 E. Nine Mile Rd, Ferndale, MI 48220 has unexpectedly and permanently closed all licensed activities. The site was decommissioned on December 2, 2010, and all activities have permanently ceased as this location is permanently closed.

Since this closing was with little warning to me there was very little time to organize therefore all sealed sources were transferred to St. John Hospital #21-03210-01 on a temporary basis. I am RSO at both locations, and the transfer made sense at the time to secure the sealed source radiation. The sources were leaked tested prior to the transfer, and upon arrival. The sealed source inventories and leak tests are attached. This location has never had any leaking sources. The entire decommission was performed by Laura T. Smith, MS, DABR. All surveys and wipes tests prove to be below background measurements.

1. A comprehensive survey of the entire Nuclear Hot Lab and equipment storage areas were performed using a GM end window survey meter. A battery, background, check-source, survey method was used, at the most sensitive setting. All survey results proved to be below background measurements. This location was a port for a mobile imaging service. I have requested the site place the radiation safety and patient imaging records into storage, and hope that request will occur.
2. Survey locations are indicated on attached map. Wipe tests were performed at multiple locations (indicated on attached map).

Wipe tests were counted in a Caprac by Capintec Efficiency 60%, for 1 minute each.

Background = 0 dpm
Efficiency = 60 %
Window 0 - 600 keV

All wipes were below the 200 DPM limit. All wipe areas were also then surveyed with multiple GM survey meter and all areas recorded at or less than 0.02 mR/hr.

4. All RAM labeling on facility and Hot Lab areas were demarcated and removed.
5. Sealed sources were leak tested. All leak testing was background. All sealed sources were counted and confirmed and inventoried. All sealed sources were then transferred to the hospital I work at St. John Hospital #21-03210-01.



FROM :LSMITH PHYSICS

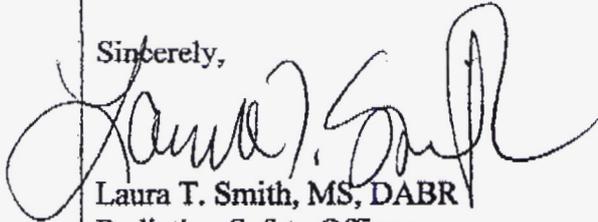
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Jan. 04 2011 02:47PM P4

6. There was only completed decayed to background syringes in radioactive waste storage, and those were also surveyed by me, and requested to be placed in normal medical waste.
7. The last time radioactive unsealed sources were used at the facility was November 24, 2010, the Wednesday prior to Thanksgiving.
8. All radiopharmacy transport cases were returned to the vendors.
9. Since this location is closed permanently and there is no chance of re-opening, I request you mail a copy of the final paperwork to my home office, so I can keep a file. *Laura T. Smith 30292 Rose Marie, Chesterfield, MI 48047*

If there are any further questions please contact our physicist, Laura T Smith, MS, DABR at (586) 215-2947 cell, pager: 313 609-2038.

Sincerely,



Laura T. Smith, MS, DABR
Radiation Safety Officer

FROM :LSMITH PHYSICS

FAX NO. :15867160577--

Jan. 04 2011 02:48PM P5

SEALED SOURCE INVENTORY & LEAK TEST
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Advanced Medical Diagnostics, PLLC #21-32436-01 Date: 11/3/2010

NUCLIDE	TYPE	ACTIVITY	DATE	LOCATION	M/N	S/N
Ba-133	Vial	285uCi	11/01/02	Hot lab	MED3550	30468
Cs-137	Vial	222.4uCi	1/1/03	Hot Lab	MED 3550	32117
Co-57	Flood	10mCi	4/1/2009	Van	3722AD010MN	1349-160
Co-57	Flood	10mCi	4/1/2009	Van	3722AD010MN	1372-043
Co-57	Flood	10mCi	9/1/2009	Van	3722AD010MN	1340-017
Co-57	Flood	10mCi	9/23/07	Storage	BM05100763	

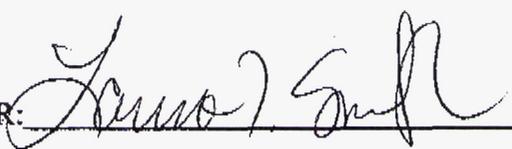
Date Tested: 11/3/2010

The sources listed above were leak tested and were found to have less than 0.005 μ Ci removable contaminations. The following are the Minimum Detectable Activity (MDA) a three-minute assay. The leak test was done using a well counter.

Nuclide	MDA	Background
Cs-137	2.0×10^{-4} uCi	145 cpm
Ba-133	8.8×10^{-5} uCi	204 cpm
Co-57	1.7×10^{-5} uCi	53cpm

Analyzed by: LT Smith

Date 11/3/2010

RADIATION SAFETY OFFICER: 

FROM : LSMITH PHYSICS

FAX NO. : 15867160577--

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ST. JOHN HOSPITAL #21-03210-01 SEALED SOURCE LEAK TEST

NUCLIDE	TYPE	ACTIVITY	CALIBRATION DATE	LOCATION	M/N	S/N
Cs-137	Vial	217 μ Ci	03/05/1981	Pharmacy	NES-356	3560381A-06
Ba-133	Vial	248.3 μ Ci	01/01/2007	Pharmacy	Eckert&Ziegler	1218-21-16
Co-57	Flood	20mCi	5/1/2009	Storage	Eckert&Ziegler	1373-191
Co-57	Flood	20mCi	10/01/2007	Storage	Eckert&Ziegler	1254-111
Co-57	Vial	10.9mCi	06/10/1996	Pharmacy	NES8206	S8206029-003
Co-57	Pen	100 μ Ci	09/01/2006	Pharmacy	IPL	D4975
Cs-137	Calibrator	153mCi	11/20/1984	Storage	TechOps773	202
Ba-133	Vial	285 μCi	1/1/02	Storage	MED3550	30468
Cs-137	Vial	222.4 μCi	1/1/03	Storage	MED3550	32117
Cs-137	Rod	0.5 μCi	1/1/03	Storage		956-54-44
Co-57	Flood	10mCi	4/1/09	Storage	5722AD010MN	1349-160
Co-57	Flood	10mCi	4/1/09	Storage	5722AD010MN	1372-043
Co-57	Flood	10mCi	9/1/09	Storage	5722AD010MN	1340-017
Co-57	Flood	10mCi	9/23/07	Storage	BM05-10	BM05300763

Transferred from closed location # 21-32436-01 - Advanced Medical Diagnostics, PLLC dba Advanced Diag Services, LLC.

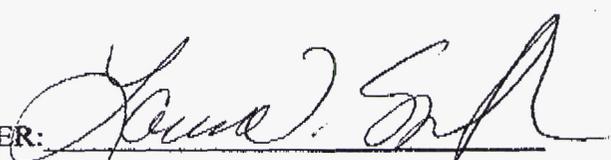
Date Tested: 12/2/2010

The sources listed above were leak tested and were found to have less than 0.005 μ Ci removable contaminations. The following are the Minimum Detectable Activity (MDA) a three-minute assay. The leak test was done using a Biodex Atomlab 950 multichannel analyzer and well counter.

Nuclide	MDA	Background
Cs-137	1.1E-4 μ Ci	75 cpm
Co-57	1.5E-5 μ Ci	47 cpm
Ba-133	7.9E-5 μ Ci	174 cpm

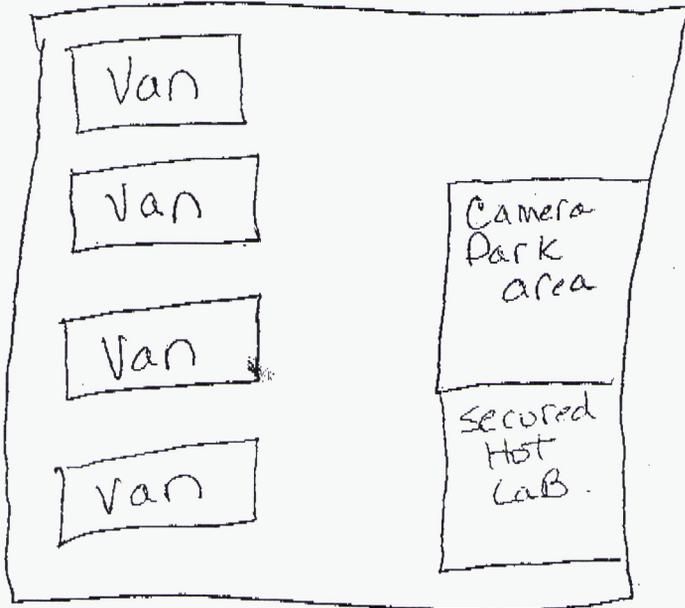
Analyzed by: LT Smith 12/2/2010

Date

RADIATION SAFETY OFFICER: 

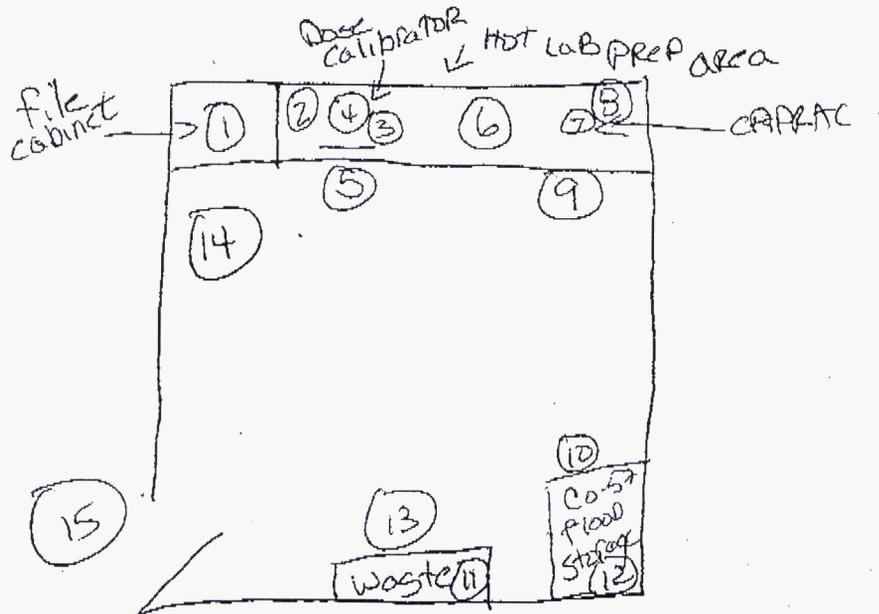
Map of equipment storage and Hot Lab Areas for #21-32436-01, Advanced Medical Diagnostics, PLLC dba Advanced Diag services, LLC 1220 E. Nine Mile Rd, Ferndale, MI 48220

MAP of surrounding areas



North
→

Close up MAP of Secured Hot Lab



All wipes & surveys were Background.

FROM :LSMITH PHYSICS

FAX NO. :15867160577--

Jan. 04 2011 02:46PM P1

FAX:

NRC Fax # 6305151078 - License amendment -- termination of license

From: Laura T. Smith, MS FAX #586 716 0577

I am re-sending this fax of 7 pages total, as the first time it was not received. I will call in 7 days to make sure you did receive it this time.

Thank you,
Laura T. Smith
586 215-5947