

<p><b>NRC FORM 314</b>  <small>(12-2010)</small>  <small>10 CFR 30.360(k)(1); 40 CFR 101.11.1</small>  <small>70 CFR 101.11.1 and 72.54(k)(5)(1)(i)</small></p>	<p align="center"><b>U.S. NUCLEAR REGULATORY COMMISSION</b></p>	<p><b>APPROVED BY OMB: NO. 3150-0028</b>      <b>EXPIRES: 10/31/2013</b></p> <p><small>Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submission is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimates to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to <a href="mailto:Infocollcts.Resource@nrc.gov">Infocollcts.Resource@nrc.gov</a>, 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.</small></p>
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### CERTIFICATE OF DISPOSITION OF MATERIALS

<p><b>LICENSEE NAME AND ADDRESS</b></p> <p><b>DOWNRIVER MEDICINE ASSOCIATES</b>  <b>P.O. BOX 127</b>  <b>FLAT ROCK, MI 48134-0127</b></p>	<p><b>LICENSE NUMBER</b>      <b>DOCKET NUMBER</b></p> <p><b>21-32486-01</b>      <b>030-36468</b></p> <p><b>LICENSE EXPIRATION DATE</b></p> <p><b>1/31/2014</b></p>
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**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:

- No radioactive materials have ever been procured or possessed by the licensee under this license.
- 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:
  - Transfer of radioactive materials to the licensee listed below:
  - Disposal of radioactive materials:
    - Directly by the licensee: **SEALED SOURCES TRANSFERRED TO RADIOLOGICAL PHYSICS SERVICE NRC LICENSE 21-26253-01**
    - By licensed disposal site:
    - By waste contractor:
  - 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**

- A radiation survey was conducted by the licensee. The survey confirms:
  - the absence of licensed radioactive materials
  - that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 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 \_\_\_\_\_
- A radiation survey is not required as only sealed sources were ever possessed under this license, and
  - The results of the latest leak test are attached; and/or
  - No leaking sources have ever been identified.

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

<p><b>NAME</b> <b>RAY A CARLSON, MS</b></p>	<p><b>TITLE</b> <b>MEDICAL PHYSICIST</b></p>	<p><b>TELEPHONE (include Area Code)</b> <b>734-395-7361</b></p>	<p><b>E-MAIL ADDRESS</b> <b>RAYA.CARLSON@ATT.AMI</b></p>
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Mail all future correspondence regarding this license to:

**C. CERTIFYING OFFICIAL**

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

<p><b>PRINTED NAME AND TITLE</b></p>	<p><b>SIGNATURE</b></p>	<p><b>DATE</b></p>
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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.**

**Radiological Physics Service, Inc.**  
**3839 Napier Road - Plymouth, MI 48170**

**(734) 455-4730**

**CLOSE OUT SURVEY**

Downriver Medicine Associates  
14750 Laplainsance Road  
Monroe, MI 48161

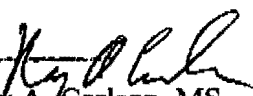
License: 21-32486-01

**RE:** Close out survey of location

1. Date of Survey: September 9, 2011
2. Diagram of the department and the wipe test results are attached.
3. The survey meter readings were less than 0.02 mR/hr for all areas.
4. The survey meter background reading was 0.02 mR/hr.
5. The survey meter used was a Ludlum 14C (210525) with an end window GM probe. It was last calibrated December 20, 2010
6. The wipe tests were assayed on an Picker single-channel well counter. The minimum detectable activity for Tc-99m, Tl-201 is 61 dpm at 95% confidence.
7. The survey was performed by Ray A. Carlson, M.S., Medical Physicist from Radiological Physics Service, Inc. (License No.: 21-26253-01).
8. All sealed sources were transferred to the new location of use at 14750 Laplainsance Rd. Monroe, MI.
9. All waste was decayed to background and disposed of properly.

The location is certified to be free of radioactive material and contamination and may be released for unrestricted use with the approval of the NRC.

All wipe tests were below the 2000 dpm limit and all GM survey meter readings were at background (0.02mR/hr).

  
Ray A. Carlson, MS,  
Medical Physicist  
Radiological Physics Service

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**3839 Napier Road - Plymouth, MI 48170**

**(734) 455-4730**

**Wipe Test Results**

Downriver Medicine Associates  
 14750 Laplainsance Road  
 Monroe, MI 48161

License: 21-32486-01

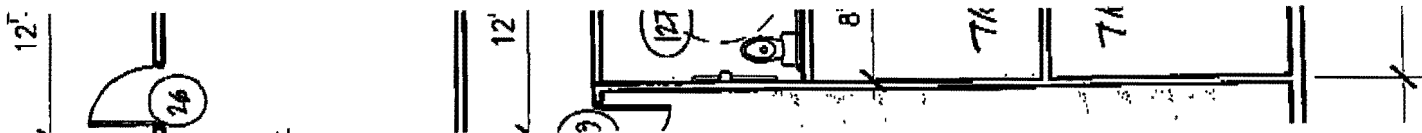
**RE:** Close out survey of location

**Date:** December 20, 2010

Area	CPM	Net CPM	DPM
Background	210		
1	200	0	0
2	200	0	0
3	200	0	0
4	200	0	0
5	200	0	0
6	200	0	0
7	200	0	0
8	200	0	0
9	200	0	0
10	200	0	0

- All wipes were below the 2000 DPM limit.
- All wipe areas were surveyed with a GM survey meter and all areas recorded less than 0.02 mR/hr. Wipes were then analyzed in a gamma counter.

*Ray A. Carlson*  
 Ray A. Carlson, MS,  
 Medical Physicist  
 Radiological Physics Service



Location: Downriver Medicine Associates (Monroe)

Date of Inspection: September 9, 2011

## SEALED SOURCE INVENTORY

Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	M/N	S/N
Cs-137	vial	Hot Lab	210 uCi	7/21/2004	Rad Qual	BM06-37	BM0637-007-01
Ba-133	vial	Hot Lab	248 uCi	3/3/2004	Rad Qual	BM06-33	BM0633-002-08
Co-57	flood	Hot Lab	10 mCi	3/3/2007	Rad Qual	BM04-10	BM0410-06-3
Cs-137	rod	Hot Lab	0.5 uCi	4/1/2004	IPL		1034-15-19
Co-57	flood	Hot Lab	10 mCi	01/01/09	IPL	3713.AD.010M.N	1347-0.23
Co-57	vial	Hot Lab	213.8 uCi	4/1/2004	IPL	RV-137-200U	1047-24-24
Ba-133	vial	Hot Lab	241.9 uCi	5/1/2004	IPL	RV-133-250U	1047-41-10
Co-57	flood	Hot Lab	10 mCi	04/26/09	Rad Qual	BM02-10	BM021009086102
Cs-137	rod	Hot Lab	0.1048 uCi	8/1/2006	IPL		1181-14-12
Co-57	flood	Hot Lab	10 mCi	11/01/10	IPL	MED 3709	1470-001

RSO: \_\_\_\_\_

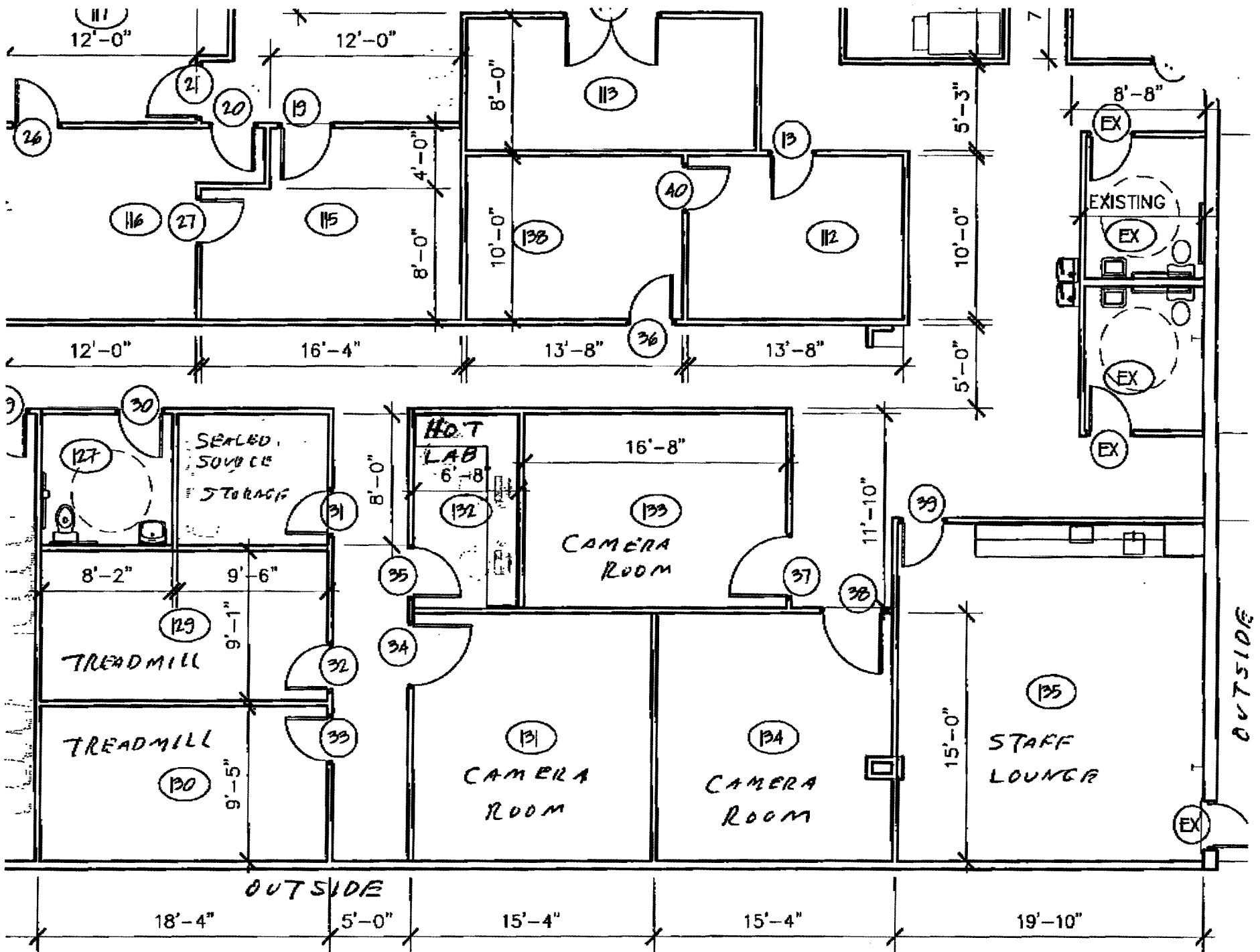
## SEALED SOURCE LEAK TEST

Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	M/N	S/N
Cs-137	vial	Hot Lab	210 uCi	7/21/2004	Rad Qual	BM06-37	BM0637-007-01
Ba-133	vial	Hot Lab	248 uCi	3/3/2004	Rad Qual	BM06-33	BM0633-002-08
Co-57	flood	Hot Lab	10 mCi	3/3/2007	Rad Qual	BM04-10	BM0410-06-3
Co-57	flood	Hot Lab	10 mCi	01/01/09	IPL	3713.AD.010M.N	1347-0.23
Cs-137	vial	Hot Lab	213.8 uCi	4/1/2004	IPL	RV-137-200U	1047-24-24
Ba-133	vial	Hot Lab	241.9 uCi	5/1/2004	IPL	RV-133-250U	1047-41-10
Co-57	flood	Hot Lab	10 mCi	04/26/09	Rad Qual	BM02-10	BM021009086102
Co-57	flood	Hot Lab	10 mCi	11/01/10	IPL	MED 3709	1470-001

COMMENT: The sources listed above were leak tested using a wipe technique and were found to have less than 0.005 uCi removable activity.

TESTED BY: Ray A. Carlson, M.S.DATE: December 20, 2010

RSO: \_\_\_\_\_



FLOOR PLAN

HOT LAB CONTAINS  
DOSE CALIBRATOR  
WELL COUNTER

**C O V E R****FAX****S H E E T**

To: ED  
Fax #: 313-381-9112  
Subject: NRC CLASH 0V7  
Date: 9/24/11  
Pages: 6, including this cover sheet.

## COMMENTS:

1. SLEN AND PRINT NAMES AT  
BOTTOM OF PAGE 1.
2. FAX ALL 5 PAGES TO NRC  
AT (630) 515-1078

Ray.

Ray A. Carlson, M.S.  
Cell: (734) 395-7361

Dan L. Marx, M.S.  
Cell: (803) 549-2187

Laura Smith, M.S.  
Cell: (586) 215-5947

Vince McCormick, M.S.  
Cell: (734) 395-9323

Radiological Physics Service, Inc.  
3839 Napier Road  
Plymouth, MI 48170

(734) 455-4730  
FAX: (734) 453-8851

C O V E R

FAX

S H E E T BILL RAICHOLD

To: JENNIFER BISHOP MATERIALS LICENSING  
 Fax #: 630-515-1078  
 Subject: DOWN RIVER MEDICINA ASSOCIATES  
 Date: 7/19/12  
 Pages: , including this cover sheet.

COMMENTS:

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