

NRC FORM 314 (12-2010)
10 CFR 30.36(k)(1); 40.42(j)(1),
70.36(j)(1); and 72.54(k)(5)(XXI)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028

EXPIRES: 10/31/2013

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 Information Services Branch (T-6 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.

CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS

DOWNRIVER MEDICINE ASSOCIATES
P.O. BOX 127
FLAT ROCK, MI 48134-0127

LICENSE NUMBER

21-32486-01

DOCKET NUMBER

030-36468

LICENSE EXPIRATION DATE

1/31/2014

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:

b. Disposal of radioactive materials:

- 1. Directly by the licensee: SEALED SOURCES TRANSFERRED TO RADIOLOGICAL PHYSICS SERVICE NRC LICENSE 21-26253-01

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

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

PRINTED NAME AND TITLE

WON B CHAE, M.D.

SIGNATURE

DATE

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.

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: 

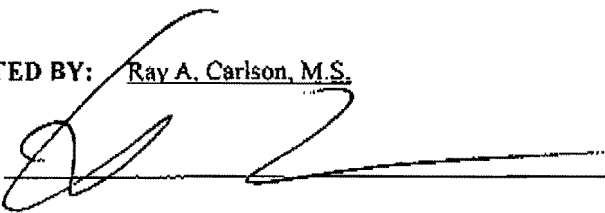
SEALED SOURCE LEAK TEST

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: September 9, 2011

RSO: 

Radiological Physics Service, Inc.

3839 Napier Road - Plymouth, MI 48170

(734) 455-4730

CLOSE OUT SURVEY

Downriver Medicine Associates

14750 Laplaignance 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 Laplaignance 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

Radiological Physics Service, Inc.

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

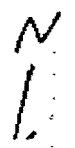
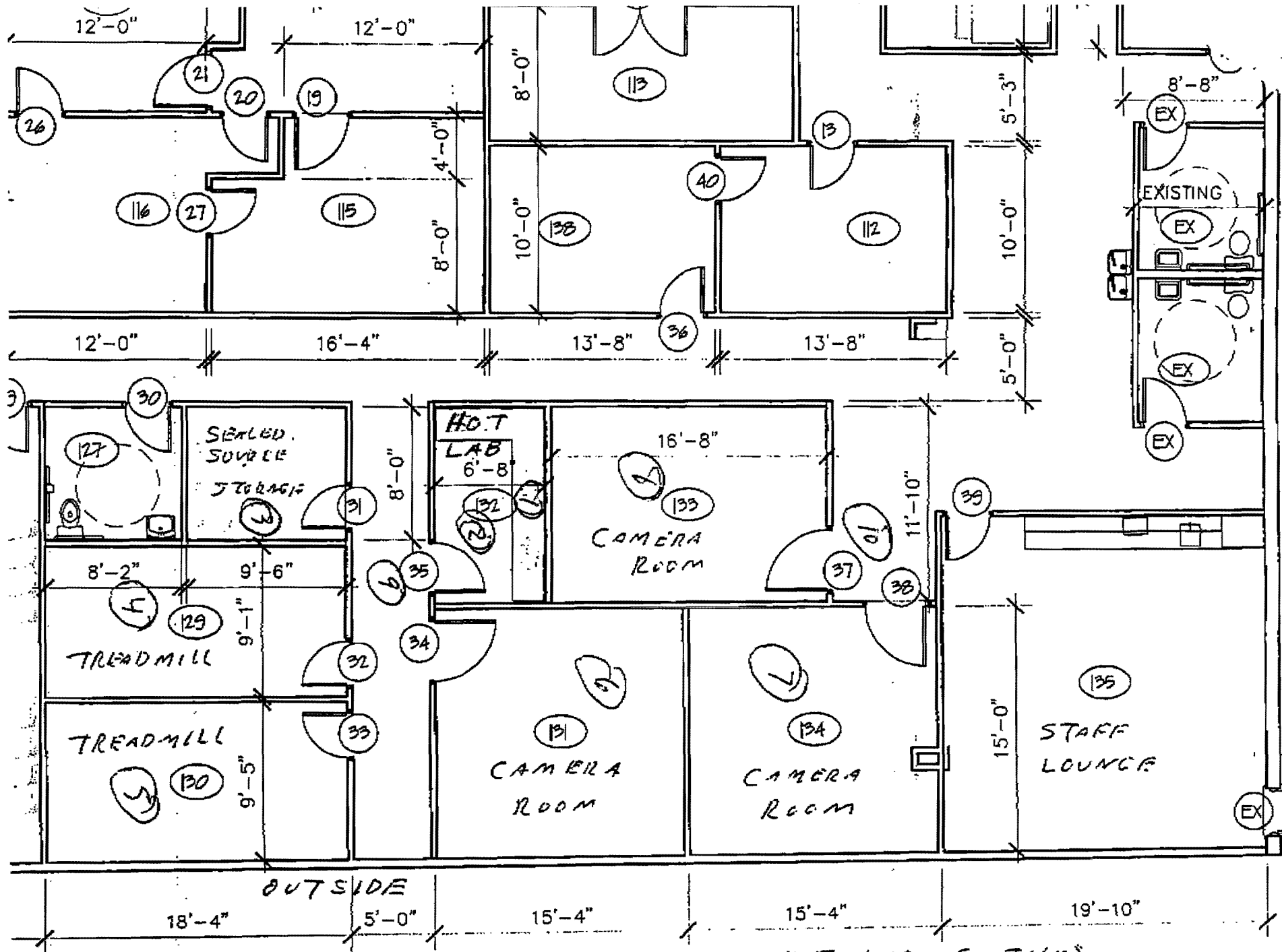
RE: Close out survey of location

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, MS,
 Medical Physicist
 Radiological Physics Service



FLOOR PLAN

HOT LAB CONTAINS
 DOSE CALIBRATOR
 WELL COUNTER
 LEAD SHIELD STORAGE