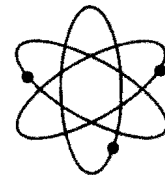


**Radiation Protection Services, Ltd.**  
*Serving Radiology, Nuclear Medicine, Therapy and Industry*



1405 Stevenson Dr., Suite 11  
Springfield, Illinois 62703

Phone: (217) 786-3839  
Fax: (217) 786-3110  
Email: rpsltd@comcast.net

December 16, 2011

REF. - **24-32650-01**

U.S. Nuclear Regulatory Commission  
Materials Licensing Section Region 3  
2443 Warrenville Rd - Ste 210  
Lisle, IL 60532-4352

To Whom It May Concern:

This is a request for an amendment to the radioactive materials license for Cardiology Specialists, PC, in St. Louis, Missouri. For your reference, the licensee is in the process of changing their name to Fairview Heights Medical Group-BJC Medical Group Specialist. Documentation to this affect was submitted by the licensee November 22, 2011.

The licensee requests removal of the address: 3023 N Ballas Rd, Ste 400 D, St. Louis, Missouri from condition 10 of the radioactive materials license. Use of radioactive materials has been terminated at this address. No future use is anticipated. The following is submitted for your review:

1. Use of all radioactive materials has been terminated. The last diagnostic imaging study was performed prior to July 31, 2011. All waste from the diagnostic studies has been disposed through decay in storage procedures. A copy of the final waste record is enclosed for your review. Only diagnostic studies were performed, primarily using Tc-99m and Ti-201. The licensee requests that the imaging suite/hot lab be released for unrestricted use.
2. All radioactive sealed sources were transferred to the licensee's address at 1390 Highway 61 South, Suite 2300, Crystal City, Missouri on December 14, 2011. A copy of the transfer of radioactive materials form is enclosed for your review. Leak testing was performed as required on two of the sealed sources on November 10, 2011. Leak test records are available upon request.
3. Enclosed please find the area surveys and wipe testing that were conducted in the imaging suite after all radioactive sources had been removed. No residual activity was found. Area surveys were performed using a Ludlum 14C survey meter, which was calibrated May 11, 2011. Wipe testing was performed using a Capintec Caprac well counter calibrated on November 15, 2011. Enclosed you will also find the original imaging suite floor plan diagram from the radioactive materials license application indicating where surveys and wipe testing were conducted.
4. Finally, enclosed you will find NRC form 313 signed by the certifying officer on behalf of the licensee.

RECEIVED JAN 13 2012

U.S. Nuclear Regulatory Commission  
Materials Licensing Section Region 3  
2443 Warrenville Rd - Ste 210  
Lisle, IL 60532-4352

Page 2

The licensee management has requested our firm to draft this request on their behalf. If you have any questions concerning this matter, please contact our office or call me direct at 618/210-3925. Alternatively, you may contact the licensee as listed on NRC form 313. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Schlarman". The signature is fluid and cursive, with a prominent initial "T".

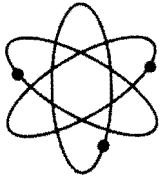
Tom Schlarman  
Radiation Physicist

TS:sh

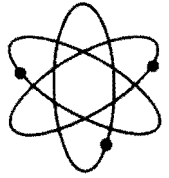
Enclosures:

US NRC Form 313  
Radioactive waste disposal record  
Transfer of radioactive material  
Close-out area wipe analysis and surveys  
Floor plan diagram

CC: Drina Hawkins, Office Manager  
Cardiology Specialists, PC  
3023 N Ballas Rd - Ste 400  
St. Louis MO 63131



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1405 Stevenson Dr., Suite 11  
Springfield, Illinois 62703

Phone: (217) 786-3839  
Fax: (217) 786-3110  
Email: rpsltd@comcast.net

December 16, 2011

Drina Hawkins, Office Manager  
Cardiology Specialists, PC  
3023 N Ballas Rd – Ste 400  
St. Louis MO 63131

Dear Ms. Hawkins:

As we discussed, enclosed you will find the request for an amendment to the radioactive materials license to remove the St. Louis office address from license condition 10 on your NRC radioactive materials license. The licensee mailing address will not change. This request only removes your office as an area of radioactive material use. Please have Mary Beth Dieckmann-Kirisits sign as the certifying officer at the bottom of NRC form 313.

Make one copy of the entire submission for your records. The original and one additional copy should be sent to the NRC at the address listed on my request letter, in Lisle, Illinois.

You should maintain all records for the nuclear medicine operation for a period of three years. The nuclear medicine imaging room remains restricted until you receive written confirmation from the NRC that the radioactive materials has been amended, and all restrictions removed.

If you have any questions please contact our office or call me direct at 618/210-3925. Thank you.

Sincerely,

Tom Schlarman  
Radiation Physicist

TS:sh

Enclosures: NRC amendment request letter  
NRC form 313  
Close-out area wipe analysis and surveys  
Floor plan diagram  
Transfer of radioactive material form  
Radioactive waste disposal record

**APPLICATION FOR MATERIALS LICENSE**

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects.resource@nrc.gov](mailto:infocollects.resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

<p>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</p> <p>OFFICE OF FEDERAL &amp; STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001</p> <p>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</p> <p>IF YOU ARE LOCATED IN:</p> <p>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 APPLICATIONS TO:</p> <p>LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PA 19406-1415</p>	<p>IF YOU ARE LOCATED IN:</p> <p>ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:</p> <p>MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352</p> <p>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 APPLICATIONS TO:</p> <p>NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 612 E. LAMAR BOULEVARD, SUITE 400 ARLINGTON, TX 76011-4125</p>
---	--

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <b>24-32650-01</b></p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)</p> <p><b>Cardiology Specialists, PC (Fairview Heights Medical Group-BJC Medical Group Cardiology Specialists)</b> <b>3023 North Balls Road, Suite 400D, St. Louis, MO 63131</b></p>
--	---

<p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p><b>3023 North Balls Road, Suite 400D, St. Louis, MO 63131</b></p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p><b>Mary Beth Dieckmann-Kirisits, Director of Physician Service</b></p> <p>TELEPHONE NUMBER</p> <p><b>(314) 605-6406</b></p>
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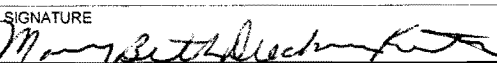
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE

<p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>	<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>
<p>9. FACILITIES AND EQUIPMENT.</p>	<p>10. RADIATION SAFETY PROGRAM.</p>
<p>11. WASTE MANAGEMENT.</p>	<p>12. LICENSE FEES (See 10 CFR 170 and Section 170.31)</p> <p>FEE CATEGORY <b>7C</b> AMOUNT ENCLOSED <b>\$ 0.00</b></p>

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

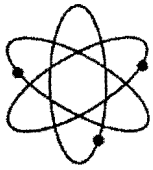
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.

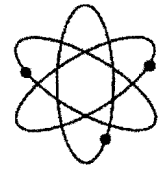
<p>CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE</p> <p><b>Mary Beth Dieckmann-Kirisits, Director of Physician Serv.</b></p>	<p>SIGNATURE</p> 	<p>DATE</p> <p><b>1/5/11</b></p>
---	---	----------------------------------

**FOR NRC USE ONLY**

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	



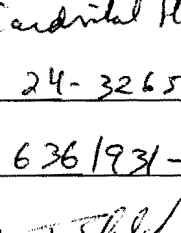
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Springfield, Illinois 62703

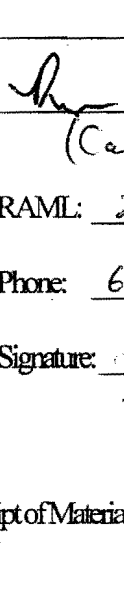
Phone: (217) 786-3839  
Fax: (217) 786-3110


**Transfer of Radioactive Material**

Licensee: Cardiology Specialists RAML: 24-32650-01  
Address: St. Louis, MO Phone: 314/447-1301  
Date transferred: 12/14/11 Signature:   
Fax: 314/447-1309

	Nuclide/ Description	Manufacturer	Model Number	Serial number	Assay Activity	Assay Date
1.	Cs137	IPL	AV137-200u	121828-18	286.7uCi	8/1/07
2.	Co57	IPL	NES 8496-10M	1252-048	10.0mCi	8/1/07
3.	Cs137	IPL	GF-0008	124783-77	0.500uCi	10/1/07
4.						

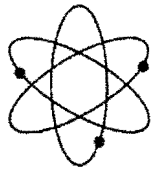
Transferred by:  (RPS)

  
(Cardinal Health)

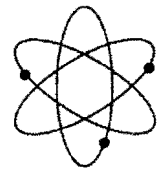
Recipient: Cardiology Specialists RAML: 24-32650-01  
Address: Crystal City, MO Phone: 636/931-2961  
Date transferred: 12/14/11 Signature: 

- Emergency contact information given above
- Update recipient inventory records with transferred sources
- Fax signed copy of this form to transferring licensee as Receipt of Materials Acknowledgement





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Springfield, Illinois 62703

Phone: (217) 786-3839  
Fax: (217) 786-3110

Cardiology Specialists, PC  
Nuclear Cardiology Department  
Close-out Area Survey

Date: 12/14/2011

Survey Meter: Ludlum 14C Serial Number: 243495

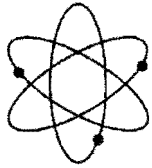
Check Source Reading: 3.0 mR/hr Calibration date: 05/11/2011

Area #	Description	Survey Results (mr/hr)
1	Dose preparation area	0.02
2	Computer desk and keyboard	0.02
3	Imaging area floor	0.02
4	Imaging area floor	0.02
5	Waste storage area	0.02
6	Acquisition station	0.02
7	Treadmill (Stress lab)	0.02
8	Injection area	0.02
	Background reading	0.02

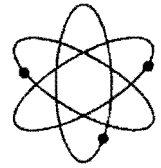
All areas  $\leq$  background levels

No contamination found

Performed by: \_\_\_\_\_  
Radiation Physicist



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Springfield, Illinois 62703

Phone: (217) 786-3839  
Fax: (217) 786-3110

Cardiology Specialists, PC

Nuclear Cardiology Department

Close-out Area Wipe Analysis for removable contamination

Date: December 14, 2011

Well counter: Capintec Caprac

Serial Number: 000736

Calibration date: 11/15/2011

Efficiency: 80.6%

Area #	Description	Wipe results (cpm)	Net cpm	Net dpm
1	Dose preparation area	-	19	23
2	Computer desk and keyboard	-	19	23
3	Imaging area floor	-	22	26
4	Imaging area floor	-	40	48
5	Waste storage area	-	10	12
6	Acquisition station	-	31	37
7	Treadmill (Stress lab)	-	4	5
8	Injection area	-	25	30
	Background	177		

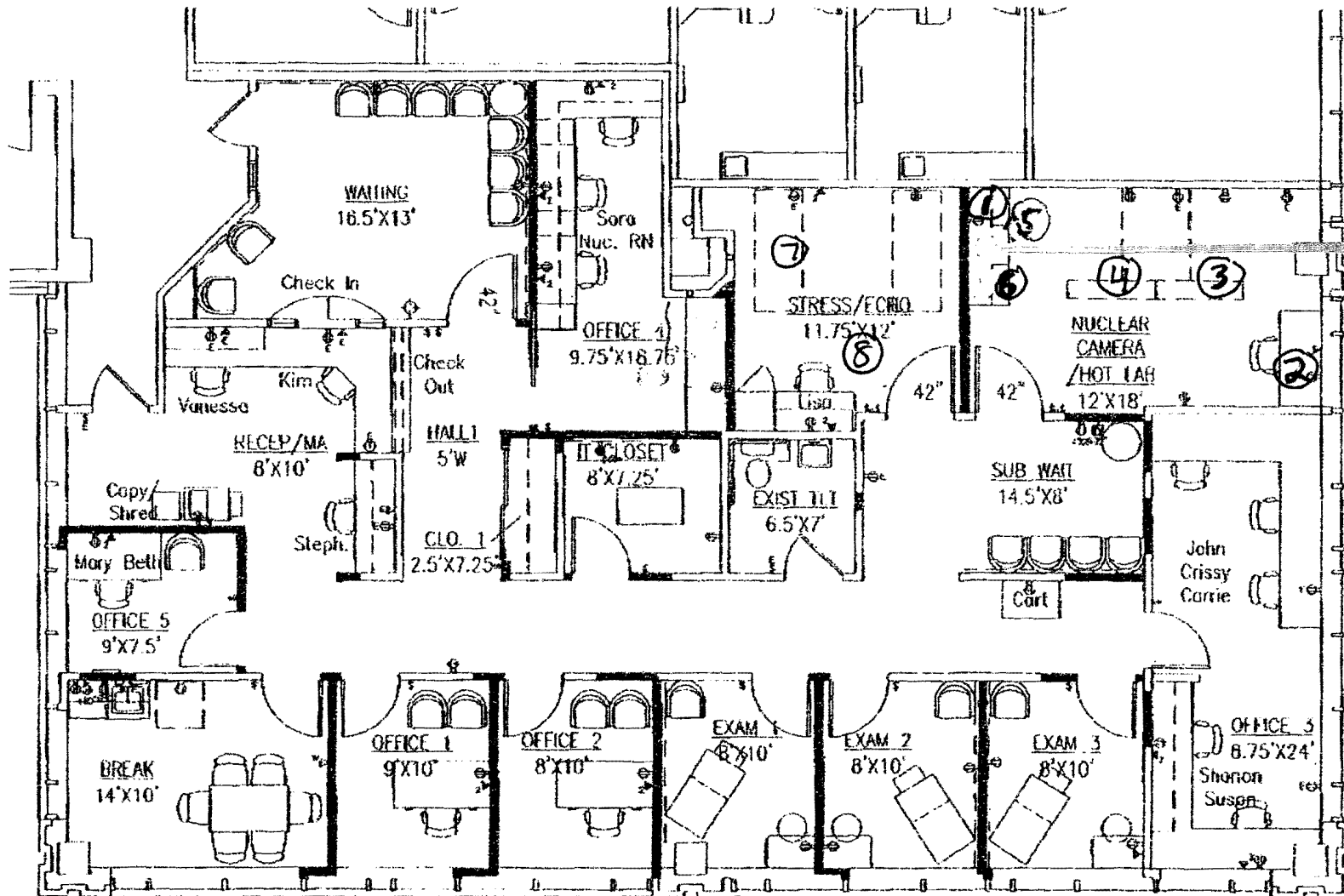
All areas  $\leq$  2200dpm

No contamination found

Performed by: \_\_\_\_\_

Thomas Schlarman      Radiation Physicist





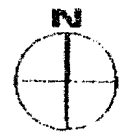
**Archimages**  
 ARCHITECTURE  
 143 West Clinch Place  
 St. Louis, Missouri 63122  
 (P) 314.567.4445  
 (F) 314.567.7477

**BJC Healthcare**  
**Cardio Specialists**

**INC HealthCare**  
 THESE FILES ARE PROVIDED AS A  
 CONVENIENCE ONLY. THIS DATA IS  
 DEEMED TO BE A REASONABLE  
 ACCURATE REPRESENTATION OF  
 KNOWN CONDITIONS, BUT IT IS IN  
 NO CASE WARRANTED BY BJC NOR  
 ANY OF ITS AGENTS. ALL  
 CONSULTANTS ARE CAUTIONED TO  
 VERIFY ALL CRITICAL DATA

Cardiology Specialists, P.C.  
 3023 North Ballas Road  
 St. Louis, MO 63131

SUITE AREA = 2,552 U.S.F.



**Floor Plan**  
 SCALE: 1/8" = 1'-0"

**CHECK ONE**  
 APPROVED  
 APPROVED AS NOTED  
 NOT APPROVED

SIGN: \_\_\_\_\_  
 DATE: \_\_\_\_\_

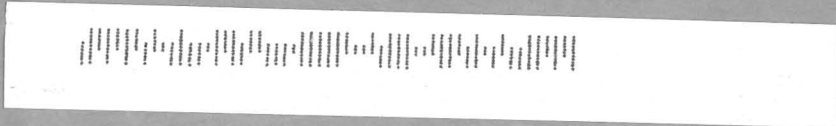
08235  
 5/17/09  
**Opt. F**

Cardiology Specialists, P.C.  
3023 N. Ballas Rd., #400 D  
St. Louis, MO 63131



ST LOUIS MO 63103 631

TUE 10 JAN 2012 PM



U.S. Nuclear Regulatory Commission  
Materials Licensing Section Region 3  
2443 Warrensville Rd - Ste 210  
Lisle, IL 60532-4352