

Eastern Connecticut Cardiology Diagnostic<sup>S</sup> LLC  
196 Parkway South, Suite 103  
Waterford, CT 06385

PL  
1/26/10

Br 1

January 15, 2010

Licensing Assistance Section  
Nuclear Medicine Safety Branch  
Division of Radiation Safety and Safeguards  
U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

RECEIVED  
REGION I  
2010 JAN 25 PM 12: 18

RE: License Number: 06-30826-01  
Amendment Application  
Eastern Connecticut Cardiology Group

03036292

Dear License Reviewer:

Please amend our radioactive material license to delete the following "Location of Use":

Eastern Connecticut Cardiology Diagnostic<sup>S</sup> LLC  
481 Gold Star Highway, Suite 101  
Groton, CT 06340

On January 11, 2010, the nuclear cardiology lab was moved to our new offices located at:

Eastern Connecticut Cardiology Diagnostic<sup>S</sup> LLC  
196 Parkway South, Suite 103  
Waterford, CT 06385

A Close-Out Survey was completed of the vacated lab and summary results placed within Attachment A of this submission. The Close-out Survey confirms that ambient exposure and removable contamination results were documented at background radiation levels (0.03 mR/hr and < 200 net dpm/100 cm<sup>2</sup>).

Radioactive waste was allowed to decay for ten half-lives. Subsequently, the waste container was monitored with a G-M Survey Meter. Summary results confirm background radiation levels. (Please note: Only Tc-99m was used for patient testing at this imaging center).

144399

The sealed sources used for instrument calibrations were transferred to our new imaging center and added to the Sealed Source Inventory. In addition, each source was leak tested for removable contamination. No removable contamination in excess of 0.001 uCi was measured through this analysis.

An updated diagram of our new imaging center has been enclosed within Attachment A. Please refer to this section to reference the Close-Out Survey Summary and updated diagram.

If you have additional questions, please contact Michael W. Lairmore, M.S. or myself. Mr. Lairmore may be contacted at (201) 693-2277.

We thank you in advance for your assistance with this licensing action.

Sincerely,

A handwritten signature in black ink, appearing to read "Tracey Gomes-Johnson". The signature is fluid and cursive, with a large initial "T" and "G".

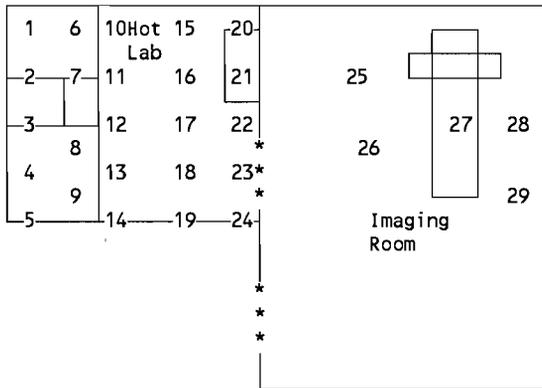
Tracey Gomes-Johnson  
Practice Administrator

**Attachment A**

Eastern Connecticut Cardiology Diagnostic, LLC  
481 Gold Star Highway, Suite, 101  
Groton, CT 06340

Close-Out Survey

Nuclear Cardiology Department



\*\* Locked Door

January 11, 2010

Close-Out Survey Results

Eastern Connecticut Cardiology Diagnostic<sup>5</sup> LLC, 481 Gold Star Highway, Suite 101, Groton, CT 06340

AREA	EXPOSURE READING (mR/hr)	BACKGROUND (mR/hr)	WIPE READING (Net DPM)	SURVEY METER	SURVEYOR
1	0.03	0.03	7.50	1	MWL
2	0.03	0.03	6.25	1	MWL
3	0.03	0.03	5.00	1	MWL
4	0.03	0.03	8.75	1	MWL
5	0.03	0.03	5.00	1	MWL
6	0.03	0.03	6.25	1	MWL
7	0.03	0.03	6.19	1	MWL
8	0.03	0.03	11.25	1	MWL
9	0.03	0.03	7.50	1	MWL
10	0.03	0.03	0	1	MWL
11	0.03	0.03	0	1	MWL
12	0.03	0.03	0	1	MWL
13	0.03	0.03	0	1	MWL
14	0.03	0.03	0	1	MWL
15	0.03	0.03	0	1	MWL
16	0.03	0.03	0	1	MWL
17	0.03	0.03	0	1	MWL
18	0.03	0.03	0	1	MWL
19	0.03	0.03	0	1	MWL
20	0.03	0.03	10.00	1	MWL
21	0.03	0.03	3.75	1	MWL
22	0.03	0.03	0	1	MWL
23	0.03	0.03	0	1	MWL
24	0.03	0.03	0	1	MWL
25	0.03	0.03	0	1	MWL

1. Survey Meter = Ludlum Model #14C, S/N 139372 (Calibration Date: 11/12/2009)
2. Ludlum 2200 SCA & Well Counter used for Removable Contamination Testing
3. Cobalt-57 Efficiency = 86.3%, C.F. = 1.16
4. Background reading from Ludlum 2200 SCA = 711 cpm
5. Net DPM = Gross CPM - BKG = Net CPM x C.F. = Net DPM
6. CPM = Counts Per Minutes  
BKG = Background  
C.F. = Correction Factor
7. Ambient exposure readings not to exceed background = 0.03 mR/hr  
Removable Contamination readings not to exceed 200 dpm/100 cm<sup>2</sup>
8. Survey Analysis completed by Michael W. Lairmore, Medical Physics Consultant
9. All radioactive waste held for ten half-lives & monitored before disposal.

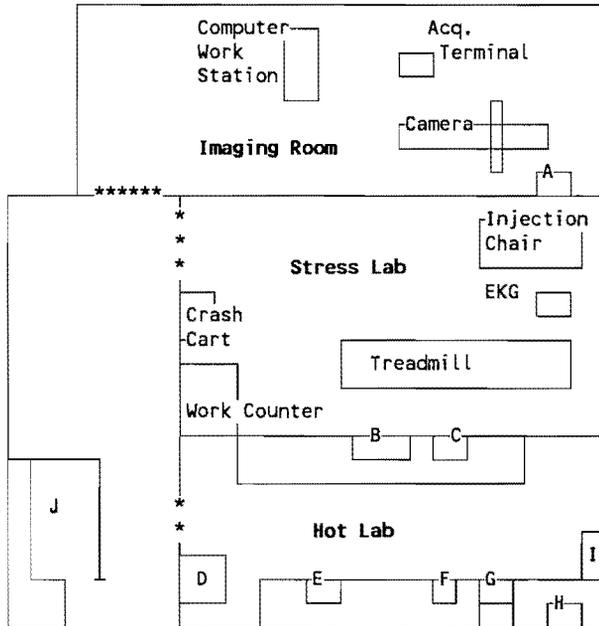
**Close-Out Survey**  
**Eastern Connecticut Cardiology Diagnostic, LLC, 481 Gold Star Highway, Suite 101, Groton, CT 06340**

AREA	EXPOSURE READING (mR/hr)	BACKGROUND (mR/hr)	WIPE READING (Net DPM)	SURVEY METER	SURVEYOR
26	0.03	0.03	13.75	1	MWL
27	0.03	0.03	8.75	1	MWL
28	0.03	0.03	6.25	1	MWL
29	0.03	0.03	5.00	1	MWL

1. Survey Meter = Ludlum Model #14C, S/N: 139372 (Calibration Date: 11/12/2009)
2. Ludlum 2200 SCA & Well Counter used for Removable Contamination Testing
3. Cobalt-57 Efficiency = 86.0%, C.F. = 1.16
4. Background reading from Single Channel Analyzer = 711 cpm
5. Net DPM = Gross CPM - BKG = Net CPM x C.F. = Net DPM
6. CPM = Counts Per Minutes  
BKG = Background  
C.F. = Correction Factor
7. **Action Trigger Levels:**  
**Ambient exposure readings not to exceed background = 0.03 mR/hr**  
**Removable Contamination readings not to exceed 200 dpm/100 cm<sup>2</sup>**
8. Survey Analysis completed by Michael W. Lairmore, Medical Physics Consultant
9. All radioactive waste (held in decay-in-storage).

**Eastern Connecticut Cardiology Group  
196 Parway South, Suite 103  
Waterford, CT 06385**

**Updated Nuclear Cardiology Diagram  
North**



**Legend:**

- A. Collimator Exchange
- B. NMIS Computer
- C. Printer
- D. Injection Chair
- E. Well Counter
- F. Dose Calibrator
- G. L-Shield/Prep Area/Sealed Source Storage (1/4" lead lining)
- H. Lead Lined Sharps Container (1/8" lead lining)
- I. Cobalt-57 Flood Disk Storage
- J. Tech Work Station
- \*\* Locked Door

This is to acknowledge the receipt of your letter/application dated

1/15/2010, and to inform you that the initial processing which includes an administrative review has been performed.

ATTEND. 06-30826-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 144399.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.