



# Advanced

Cardiology Associates, PC

[www.ACArochester.com](http://www.ACArochester.com)

May 5, 2023

UNITES STATES NUCLEAR REGULATORY COMMISSION  
Region III, Materials Licensing Section  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Re: Amendment for License No. 21-32846-01

1. Please find the close out survey of one of our camera rooms. The results of the close-out surveys are enclosed for your review.

Thank you for you cooperation with this matter. If you have any question please contact our physicist, Michelle Kritzman, at (734) 662-3197 or by email at [mkritzman@mpcphysics.com](mailto:mkritzman@mpcphysics.com)

Sincerely,

Judy Harder  
Office Manager  
Advanced Cardiology Associates, P.C  
Rochester Hills, MI

Rochester Hills  
645 Barclay Circle • Rochester Hills, MI 48307  
Phone (248) 844-1010 • Fax (248) 844-9089

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72 S. Washington , Suite 202 • Oxford, MI 48371  
Phone (248) 236-8320 • Fax (248) 236-8219

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## Close-out Survey Information

**Close-out Location:**

**Advanced Cardiology Associates, P.C**  
645 Barclay Circle  
Rochester Hills, MI 48307

**Date performed:** April 4, 2023

**Performed by:** Michelle Kritzman, M.S.

**Radionuclides Used:**

Tc-99m  
Tl-201

This camera room was used for 35.200 activities.

**Unsealed**

Tc-99m  
Tl-201

**Sealed**

This was an imaging room. No sealed sources were stored in the location.

The last day of use for was:

Tc-99m: ~2018  
Tl-201: ~2018

**Instruments:**

Wipe tests analyzed with CAPTUS 3000 sodium iodide well counter with a 20-1500 keV window. Efficiency for this energy range is 10% and MDA is less than 200 dpm for this range. The conversion factor used is 10 dpm/cpm.

Survey performed with a Bicron surveyor 2000 GM survey meter S/N A259H calibrated on 11/03/2023. Range used was 0-0.2 mR/hr.

**Visual Check:**

The area was checked to ensure that all radioactive waste had been removed. No evidence of radioactive material was noted.

**Radiation Level Survey:**

No area within the camera room demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

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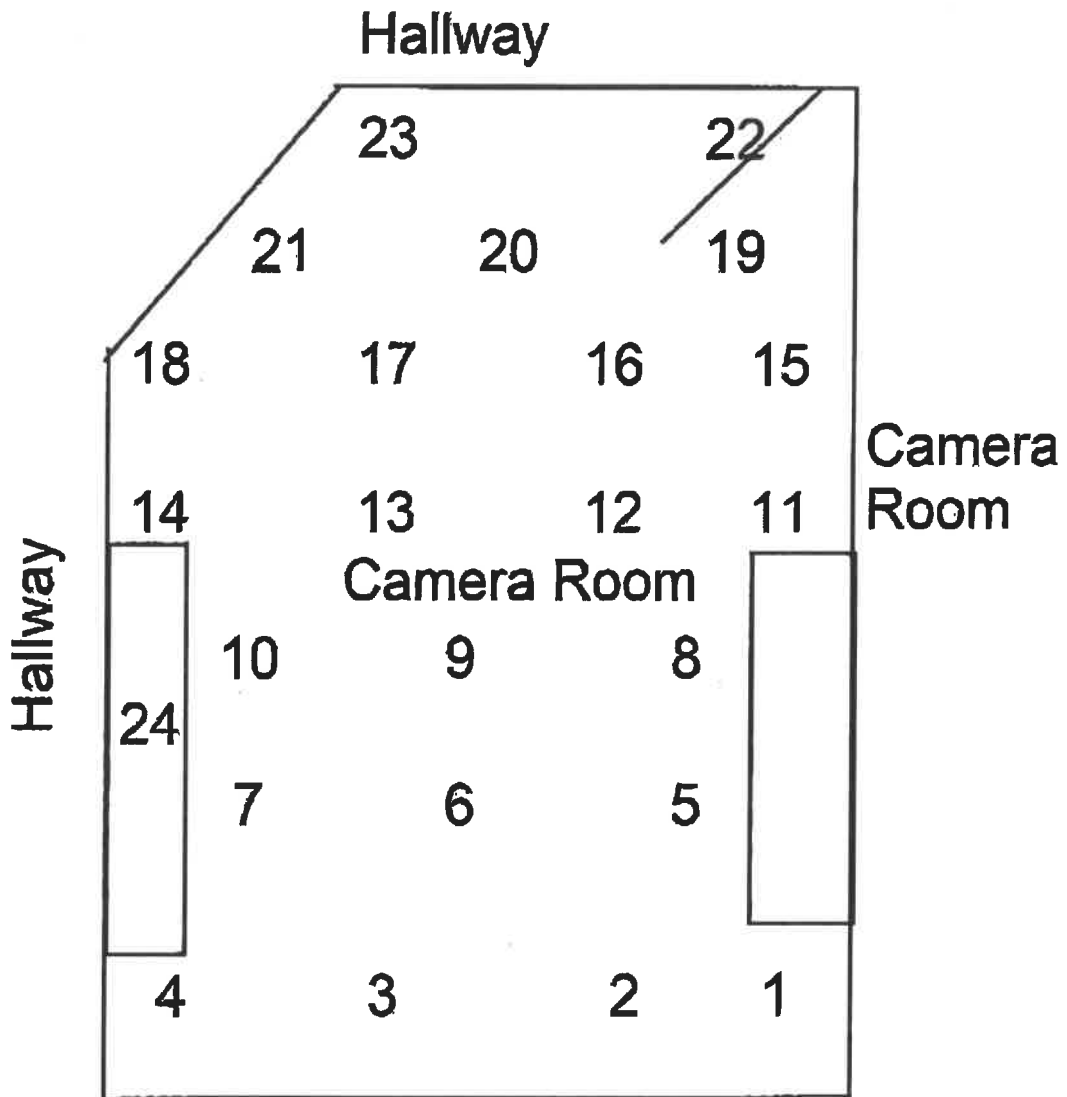
**Removable Contamination:**

No area within the injection room demonstrated removable contamination in excess of 116 net dpm's.

**Surveys, Wipes, and Diagrams are enclosed for review.**

**Conclusion:** No radioactive materials remain in this area. No removable contamination is present.

**Advanced Cardiology Associates, P.C**  
645 Barclay Circle - Rochester Hills  
Closed Camera Room



**Advanced Cardiology Associates, P.C**  
**645 Barclay Circle, Rochester Hills, Michigan**  
**License # 21-32846-01**

**Date:** 4/4/2023

**Performed By:** Michelle Kritzman, MS

**Survey Meter:** Bicron

**Check Value:** 3 mR/hr

		cpm	net dpm	mR/h
1	Floor	617	0	0.02
2	Floor	617	0	0.02
3	Floor	617	0	0.02
4	Floor	638	162	0.02
5	Floor	638	162	0.02
6	Floor	638	162	0.02
7	Floor	612	0	0.02
8	Floor	612	0	0.02
9	Floor	612	0	0.02
10	Floor	638	162	0.02
11	Floor	638	162	0.02
12	Floor	638	162	0.02
13	Floor	629	72	0.02
14	Floor	629	72	0.02
15	Floor	629	72	0.02
16	Floor	637	152	0.02
17	Floor	637	152	0.02
18	Floor	637	152	0.02
19	Floor	633	112	0.02
20	Floor	633	112	0.02
21	Floor	633	112	0.02
22	Floor	624	22	0.02
23	Floor	624	22	0.02
24	Counter	624	22	0.02
	Background	624		0.02

**ACTION LEVELS:** 2000 dpm

Conversion factor 10 dpm/cpm

**COMMENTS:** No evidence of removable contamination.