

Nuclear Cardiology Associates P.C.
8564 Broadway, Merrillville, IN 46410
Phone: (219) 769-1622 Fax: (219) 769-6541

September 25, 2008

United States Nuclear Regulatory Commission
Region III, Materials Licensing
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: Amendment to NRC License No. 13-32503-01
State Registration #: XN000358

Dear Sir/Madam:

The purpose of this letter is to amend our current NRC license to reflect the following changes.

Item #1

Please remove the following location from our license,

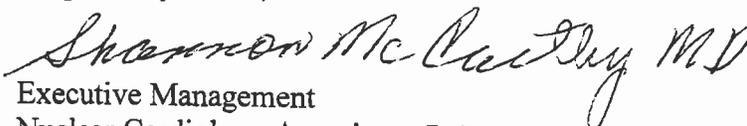
9001 Braodway
Merrillville, IN 46410

A close-out survey was performed on 09/24/2008 of the above address and is enclosed for your review.

The last date of receipt and use of radioactive material at this site was 09/23/2008. A current copy of the leak test results for the sealed sources used at our facility is enclosed for your review. Sealed sources and radioactive waste were removed from our department for transfer to the 8564 Broadway, Merrillville, IN 46410 location listed on our NRC license prior to performing the close-out survey.

Thank you for your cooperation. If you have any questions or require additional information, please contact our physics consultant, Sharon Updike at 734-662-3197.

Respectfully Yours,


Executive Management
Nuclear Cardiology Associates, P.C.

RECEIVED SEP 30 2008

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8564 Broadway, Merrillville, IN 46410
Phone: (219) 769-1622 Fax: (219) 769-6541

Close-out Survey

Date performed: 09/24/2008

Performed by: Cami Schoop, CNMT

Comments: Sealed sources and radioactive waste were removed from our department for transfer to the 8564 Broadway, Merrillville, IN 46410 location listed on our NRC license prior to performing close-out survey.

Instruments:

Wipe test analyzed with a Capintec CRC-15W Well Counter s/n # 171051

Instrument: Well Counter

Radionuclide: Colbalt-57

MDA for Tc-99m: 60 dpm's

Date Efficiency performed: 02/17/07

Conversion factor: 1.11 dpm/cpm

Area Survey performed with the follow meter:

Manufacture: Ludlum

Type: GM

Model number: Model 14-C

Serial Number: 204851

Probe Model: End Window

Annual Calibration Performed: 04/29/2008

Battery check acceptable: YES

Operational check acceptable: YES

Current reading: 9.0 mR/hr

Radionuclides Used

Unsealed

Tc99m

TL201

Sealed

Co-57, Ba-133, Cs-137

Last date of byproduct radiopharmaceutical use: 09/23/2008

Visual Check: The area was checked to ensure that all sealed sources and radioactive waste had been removed. No evidence of radioactive material was noted.

Sealed Source Leak Testing: No history of leaks from Sealed Sources.

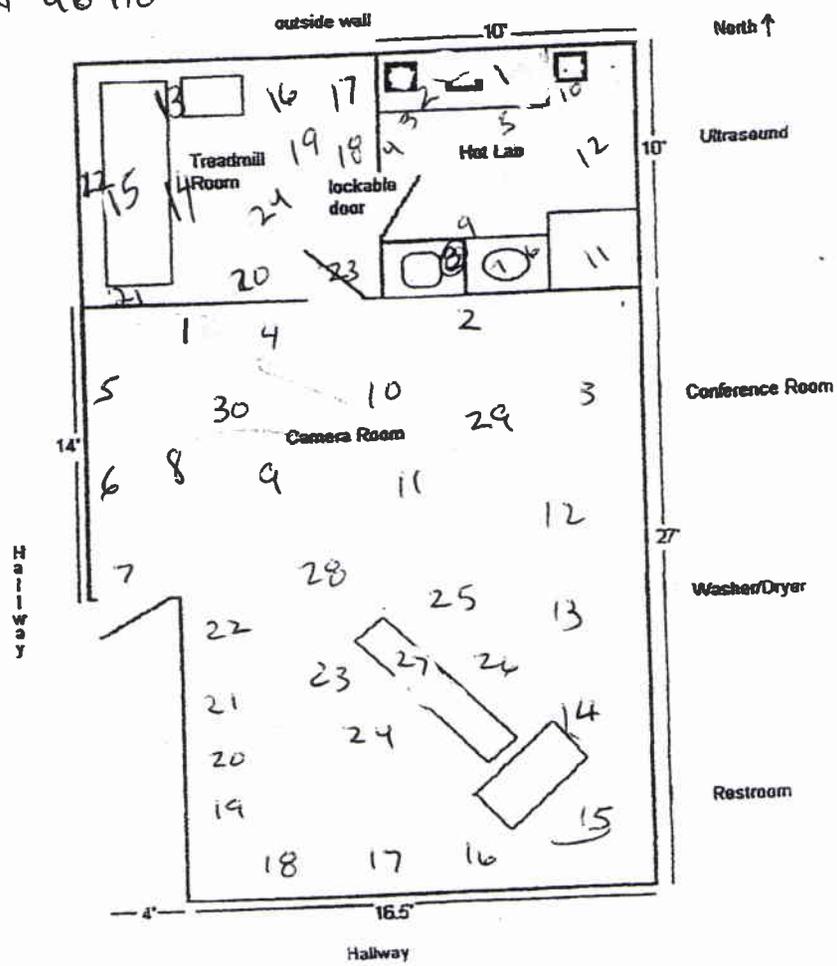
Radiation Level Survey: No area within the department demonstrated removable contamination in excess of 0.02 mR/hr.

Removable Contamination: No area within the department demonstrated removable contamination in excess of 296.2 dpm's.

Hot Lab, Stress and Imaging Area
See Attachment

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

Nuclear Cardiology Associates, P.C.
 Nuclear Medicine Department
 9001 Broadway
 Merrillville, IN 46410



NUCLEAR CARDIOLOGY ASSOCIATES, PC

License # 13-32503-01

Date: 9/24/2008
Well Counter: CRC-15W
Survey Meter: Ludlum 14C EW

Performed By: Cami Schoop, CNMT
MDA: 60 dpm
Check Value: 9 mr/hr

| | | net cpm | net dpm | mR/h |
|----|--------------|---------|---------|------|
| 1 | Imaging Room | 34.00 | 91.8 | 0.02 |
| 2 | Imaging Room | 52.00 | 140.4 | 0.02 |
| 3 | Imaging Room | -14.00 | -37.8 | 0.02 |
| 4 | Imaging Room | 22.00 | 59.4 | 0.02 |
| 5 | Imaging Room | -14.00 | -37.8 | 0.02 |
| 6 | Imaging Room | 27.00 | 72.9 | 0.02 |
| 7 | Imaging Room | -15.50 | -41.8 | 0.02 |
| 8 | Imaging Room | 18.47 | 49.9 | 0.02 |
| 9 | Imaging Room | 42.00 | 113.4 | 0.02 |
| 10 | Imaging Room | 10.75 | 29 | 0.02 |
| 11 | Imaging Room | 31.00 | 83.7 | 0.02 |
| 12 | Imaging Room | 17.56 | 47.4 | 0.02 |
| 13 | Imaging Room | 63.54 | 171.6 | 0.02 |
| 14 | Imaging Room | 42.00 | 113.4 | 0.02 |
| 15 | Imaging Room | 109.70 | 296.2 | 0.02 |
| 16 | Imaging Room | 55.33 | 149.4 | 0.02 |
| 17 | Imaging Room | 40.95 | 110.6 | 0.02 |
| 18 | Imaging Room | 63.00 | 170.1 | 0.02 |
| 19 | Imaging Room | -9.76 | -26.4 | 0.02 |
| 20 | Imaging Room | -19.82 | -53.51 | 0.02 |
| 21 | Imaging Room | -38.00 | -102.6 | 0.02 |
| 22 | Imaging Room | 48.25 | 130.3 | 0.02 |
| 23 | Imaging Room | -1.18 | -31.19 | 0.02 |
| 24 | Imaging Room | 18.47 | 49.9 | 0.02 |
| 25 | Imaging Room | 46.00 | 124.2 | 0.02 |
| 26 | Imaging Room | 6.44 | 17.4 | 0.02 |
| 27 | Imaging Room | -25.37 | -68.5 | 0.02 |
| 28 | Imaging Room | 36.12 | 97.52 | 0.02 |
| 29 | Imaging Room | -18.8 | -50.76 | 0.02 |
| 30 | Imaging Room | -13.45 | -36.3 | 0.02 |

ACTION LEVELS: 2000 dpm**Efficiency (dpm/cpm):**

1.11

< 0.2 mR/hr**COMMENTS: No evidence of removable contamination.**

Sealed Source Leak Test

Licensee: Nuclear Cardiology Associates, P.C.

Date: 08/05/08

Performed by: Sharon Updike

| Nuclide | Type | Calibration | | Location | M/N | S/N |
|------------------------------|-------|-------------|----------|----------|---------|--------|
| | | Activity | Date | | | |
| Cs-137 | Vial | 214.3 uCi | 05/01/04 | Hot Lab | MED3550 | 50612 |
| Current Activity: 194.19 uCi | | | | | | |
| Ba-133 | Vial | 285.5 uCi | 03/01/04 | Hot Lab | MED3550 | 49408 |
| Current Activity: 214.48 uCi | | | | | | |
| Co-57 | Flood | 10 mCi | 06/23/08 | Hot Lab | MED3727 | 129728 |
| Current Activity: 8.958 mCi | | | | | | |

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

| Nuclide | MDA | Background |
|---------|--------------------------|------------------|
| Cs-137 | 2.0×10^{-4} uCi | 145 counts/1 min |
| Ba-133 | 8.8×10^{-5} uCi | 204 counts/1 min |
| Co-57 | 1.7×10^{-5} uCi | 53 counts/1 min |

RADIATION SAFETY OFFICER: _____

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Region III, Office of Materials Licensing
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Liste, IL 60532

