



MIDDLESEX CARDIOLOGY ASSOCIATES, P.C.



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U.S. Nuclear Regulatory Commission
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REPLY TO A NOTICE OF VIOLATION
MIDDLESEX CARDIOLOGY ASSOCIATES, P.C.
DOCKET NO. 030-28939
LICENSE NO. 06-23559-01

10 CFR 35.67 (g) states in part, that a licensee in possession of sealed sources shall conduct a physical inventory of all such sources in its possession and shall retain a record.

10 CFR 35.2067 (b) states, in part, that a licensee shall retain records of the semiannual inventory and records must contain, the model number, of each source, serial number, radionuclide, activity, location, and individual that performs the inventory.

When Farrah Gaskins arrived in the Old Saybrook office on May 17, 2017 for the NRC inspection, the office did not have a complete posted list of all the sealed sources and the documentation for the sources that were missing could not be immediately produced when requested by the inspector. The missing documentation was found and provided to the NRC at a later date. We have also contacted our physicist at RSA and informed the office that the documents were not being properly reviewed by them. Going forward, the office will ensure that a proper inventory list is kept at all three offices by instructing employees on retaining such a list and updating it as necessary. The location of the newly received documents will be stored in a place easily accessible if requested. The radiation safety officer and the lead technologist will conduct inspections when sources are added or removed to ensure that they are properly documented.

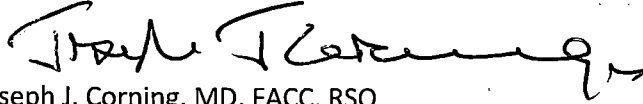
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IED7
RGN-I

Please review the attached copies of the sealed source inventories which were sent to Farrah Gaskins on Friday, May 19, 2017.

If any further documentation is required, please do not hesitate to contact our office.

Sincerely;

A handwritten signature in black ink, appearing to read "Joseph J. Corning". The signature is fluid and cursive, with a long horizontal stroke at the end.

Joseph J. Corning, MD, FACC, RSO

CC: NRC Administrator Region 1

Middlesex Cardiology Associates, P.C.
Inventory of Radioisotopes

Sealed Source Inventory Record: 10 CFR 35.67

A leak test and inventory of all sealed sources is required to be performed every 6 months. Leak test and inventory records are maintained in each hot lab.

Year - 2017

| Quarter | Source | Model | Serial | Activity | Location |
|---------|------------------------------|----------|-----------|--------------|----------|
| 1 | Ba-133 | | 1145-3610 | 127 μ Ci | Hot Lab |
| | Cs-137 | | 1145-317 | 162 μ Ci | Hot Lab |
| | Co-57 | | 1792-7-1 | 1.54 mCi | Hot Lab |
| | Co-57 sheet source | MED 3709 | 1880-106 | - | Hot Lab |
| | * Expired Co-57 sheet source | | | | Hot Lab |

Tech Initial SP Date 2/17/17 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|---------------------------|-------|--------|----------|----------|
| 2 | Ba-133 | | | | |
| | Cs-137 | | | | |
| | Co-57 | | | | |
| | Co-57 sheet source | | | | |
| | * Exp. Co-57 sheet source | | | | |

Tech Initial KF Date 5-22-17 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|---------------------------|--------------|-----------|--------------|----------|
| 3 | Ba-133 | RV 133 25004 | 1145 3610 | 125 μ Ci | Hot Lab |
| | Cs-137 | RV 137 2006 | 1145 317 | 143 μ Ci | Hot Lab |
| | Co-57 | BMO 40575 | 12345107 | 1.21 mCi | Hot Lab |
| | Co-57 sheet source | MED 3709 | 1880-106 | - | Hot Lab |
| | * Exp. Co-57 sheet source | | | | |

Tech Initial _____ Date _____ RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|---------------------------|-------|--------|----------|----------|
| 4 | Ba-133 | | | | |
| | Cs-137 | | | | |
| | Co-57 | | | | |
| | Co-57 sheet source | | | | |
| | * Exp. Co-57 sheet source | | | | |

Tech Initial _____ Date _____ RSO [Signature]

Notes: Expired inventory * BMO 1101 4058103 *
Co-57 sheet source

Middlesex Cardiology Associates, P.C.
Inventory of Radioisotopes

Sealed Source Inventory Record: 10 CFR 35.67

A leak test and inventory of all sealed sources is required to be performed every 6 months. Leak test and inventory records are maintained in each hot lab.

Year - 2016

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------------------|--------------|-----------|----------|----------|
| 1 | Ba-133 | RV-133-25004 | 1145-3610 | 129 | Hot Lab |
| | Cs-137 | RV-137-2006 | 11215-317 | 167 | Hot Lab |
| | Co-57 | B.M.060575 | 1234507 | 2.07 | Hot Lab |
| | Co-57 sheet source | ME03709 | 18880-106 | | Hot Lab |

Tech Initial SP Date 11.4.16 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------|--------|----------|----------|
| 2 | Ba-133 | | | | |
| | Cs-137 | | | | |
| | Co-57 | | | | |
| | | | | | |

Tech Initial _____ Date _____ RSO _____

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------|--------|----------|----------|
| 3 | Ba-133 | | | | |
| | Cs-137 | | | | |
| | Co-57 | | | | |
| | | | | | |

Tech Initial _____ Date _____ RSO _____

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------|--------|----------|----------|
| 4 | Ba-133 | | | | |
| | Cs-137 | | | | |
| | Co-57 | | | | |
| | | | | | |

Tech Initial _____ Date _____ RSO _____

Notes: Expired inventory - DMO11014058103
CO-57 sheet source

Middlesex Cardiology Associates, P.C.
Inventory of Radiol isotopes

Sealed Source Inventory Record: 10 CFR 35.67

A leak test and inventory of all sealed sources is required to be performed every 6 months. Leak test and inventory records are maintained in each hot lab.

Year - 2016 - OS Office .

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------------|-----------|----------|----------|
| 1 | Ba-133 | RV-133-2504 | 1145-3610 | 135 | OS |
| | Cs-137 | RV-137-2004 | 1145-317 | 169 | OS |
| | Co-57 | B mo 60575 | 12345107 | 3.85mc | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date 2/24/16 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------------|-----------|----------|----------|
| 2 | Ba-133 | RV-133-2504 | 1145-3610 | 133 | OS |
| | Cs-137 | RV-137-2004 | 1145-317 | 168 | OS |
| | Co-57 | B mo 60575 | 12345107 | 3.22 | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date 5/4/16 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------------|-----------|----------|----------|
| 3 | Ba-133 | RV-133-2504 | 1145-3610 | 132 | OS |
| | Cs-137 | RV-137-2006 | 1145-317 | 167 | OS |
| | Co-57 | B mo 60575 | 12345107 | 2.45 | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date 8/19/16 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------------|-----------|----------|----------|
| 4 | Ba-133 | RV-133-2504 | 1145-3610 | 129 | OS |
| | Cs-137 | RV-137-2006 | 1145-317 | 167 | OS |
| | Co-57 | B mo 60575 | 12345107 | 2.01 | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date 11/4/16 RSO [Signature]

Notes:

Middlesex Cardiology Associates, P.C.
Inventory of Radioisotopes

Sealed Source Inventory Record, 10 CFR 35.67

A leak test and inventory of all sealed sources is required to be performed every 6 months. Leak test and inventory records are maintained in each hot lab.

Year - 2015 - OS office

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------|------------|----------|----------|
| 1 | Ba-133 | | 1145-36-10 | 146 | OS |
| | Cs-137 | | 1145-31-7 | 172 | OS |
| | Co-57 | | 1792-7-1 | 10-06 | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date 2/13/15 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------|------------|----------|----------|
| 2 | Ba-133 | | 1145-36-10 | 143 | OS |
| | Cs-137 | | 1145-31-7 | 172 | OS |
| | Co-57 | | 1792-7-1 | 7-98 | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date May 15, 15 RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------|-----------|----------|----------|
| 3 | Ba-133 | | 1145-3610 | 140 | OS |
| | Cs-137 | | 1145-317 | 171 | OS |
| | Co-57 | | 1792-7-1 | 6-45 | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date Aug RSO [Signature]

| Quarter | Source | Model | Serial | Activity | Location |
|---------|--------|-------|-----------|----------|----------|
| 4 | Ba-133 | | 1145-3610 | 138 | OS |
| | Cs-137 | | 1145-317 | 170 | OS |
| | Co-57 | | 1792-7-1 | 5-06 | OS |
| | | | | | |
| | | | | | |

Tech Initial SP Date NOV RSO [Signature]

Notes: