



PITTSBURGH CARDIOVASCULAR INSTITUTE

2490 Mossdale Boulevard
Monroeville, PA 15146
(412) 372-2035/6

1-31-08

U.S. Nuclear Regulatory Commission
Materials Licensing Branch
Region I
475 Allendale Road
King of Prussia, PA 19406

03019665

RE: Reply to Notice of Violation
NRC License #37-21012-01 / 2007001 *mm*
Pittsburgh Cardiovascular Institute/Dr. Oliver Caminos

Gentlemen:

Both violations were the result of oversight on our part. A new, more complete shipping paper was put into service on January 4, 2008, all of the client management authorization letters have been collected and are part of our records.

If you have any questions or require additional clarification, please do not hesitate to contact the undersigned.

Sincerely,

Oliver W. Caminos

NMSS/RGNI MATERIALS-004

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 1600 Wild Life Lodge Road, Lower Burrell, PA 15068 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. Robert T. Dunn or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

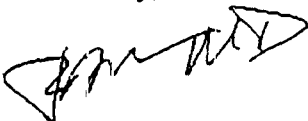
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Robert T. Dunn, M.D.

January 25, 2008

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 882 East Brady Road, Cowansville, PA 162181 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. Clifford Vogan or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

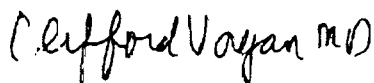
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Clifford Vogan, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 1691 Washington Road, Mt. Lebanon, PA 15228 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Medi-Help or any of its representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

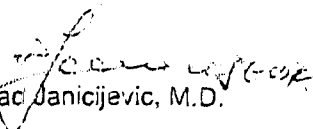
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,


Nenad Janicijevic, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 1181 SR. 356, Leechburg, PA 15656 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. James Humphrey or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

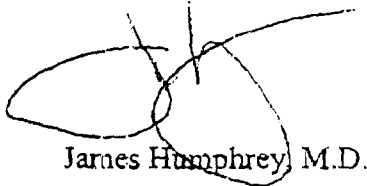
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



James Humphrey, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mossdale Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 1312 Federal Street, Pittsburgh, PA 15212 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. Harvey Shipkovitz or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

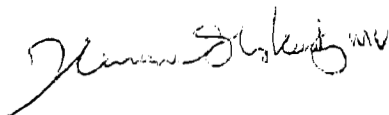
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Harvey D. Shipkovitz, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 455 E. Bruceton Street, Pittsburgh, PA 15236 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. Sean Leehan or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

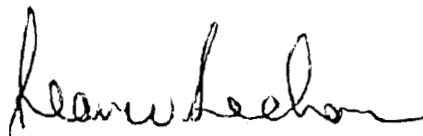
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Sean Leehan, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 200 Penn Avenue, Pittsburgh, PA 15221 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. Abdul Khan or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.


All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,


12/14/07
Abdul Khan, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 422 Main Street, Irwin, PA 15642 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Hickory Family Practice or any of its representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

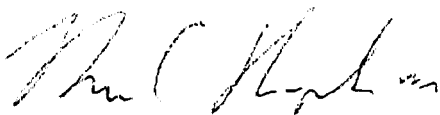
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Bruce Sharpnack, M.D.



Bruce Maskarinec, D.O.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 5855 Steubenville Pike, Suite 200, McKees Rocks, PA 15136 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Preferred Primary Care Physicians or any of its representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

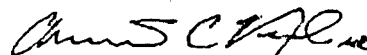
Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Irina E. Vinarski, M.D.



Christopher A. Pash, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mossie Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 1308 Fifth Avenue, Coraopolis, PA 15108 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. Edward E. James or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

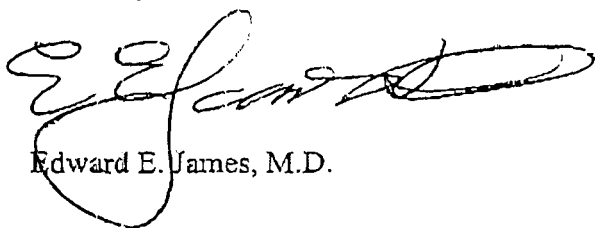
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Edward E. James, M.D.

December 10, 2007

Oliver W. Caminos, M.D.
Med Health Services/Pittsburgh Cardiovascular Institute
2490 Mosside Blvd.
Monroeville, PA 15146

Dear Dr. Caminos:

I am writing to allow Med Health Services/Pittsburgh Cardiovascular Institute permission to use radiological materials for cardiac SPECT testing at my outpatient physician clinic located at 422 Main Street, Irwin, PA 15642 ("the Premises"), so long as the following articles are respected:

Article I.

Med Health Services/Pittsburgh Cardiovascular Institute will be solely responsible for all radiological materials it brings onto the Premises and will at all times act under the accordance of its United States Nuclear Regulatory Commission Materials License, license number 37-21012-01, and under the accordance of its Commonwealth of Pennsylvania Department of Environmental Protection Bureau of Radioactive Projection Radioactive Materials License, license number PA-0449. At no times will Dr. Antoine Cawog or any of his representatives be responsible for radiological materials brought on the Premises by Med Health Services/Pittsburgh Cardiovascular Institute.

Article II.

All radioactive materials must be (a) in the direct possession of a badge-carrying employee of Med Health Services/Pittsburgh Cardiovascular Institute or (b) under lock and key in a secure location on the premises and solely a badge-carrying representative of Med Health Services/Pittsburgh Cardiovascular Institute may have access to the said secure location.

Article III.

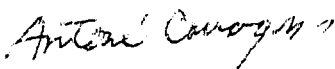
All waste or radioactive materials will be removed from the Premises by Med Health Services/Pittsburgh Cardiovascular Institute and be disposed of in accordance to all local, state and federal laws pertaining to radioactivity.

Article IV.

Med Health Services/Pittsburgh Cardiovascular Institute will perform a radioactivity survey prior to leaving the Premises. The Premises is to be free of all radioactive materials upon Med Health Services/Pittsburgh Cardiovascular Institute's departure.

I trust Med Health Services/Pittsburgh Cardiovascular Institute will be in compliance with the aforementioned articles and look forward to offering patients the convenience of state-of-the-art cardiac nuclear SPECT testing in the comfort of my outpatient physician clinic.

Sincerely,



Antoine Cawog, M.D.

TRANSPORTATION PROCEDURE

All packages containing hazardous and/or radioactive materials must be checked and shipped according to DOT Regulations. In order to comply with these regulations, MHS-PCI follows the standardized procedure outlined in this document.

Purpose

To establish a procedure for preparing and transporting packages according to DOT regulations.

Procedure

A. Package Specifications

Depending on the amount of activity to be shipped, packages containing radioactive materials are designated as either Type A or Limited Quantity shipments. Attachment I identifies Limited Quantities for various isotopes. If these limits are exceeded, or the dose rates on the outside of the package exceeds .5 mR/hr, then the package is a Type A shipment.

Only DOT-approved packages may be used to transport hazardous materials. Type A shipments require the use of a "Type A" package.

B. Procedure

The following steps should be followed when preparing an outgoing package:

1. Perform and record a background reading with a handheld survey meter. Survey the shipping container at its surface on all six sides and find the maximum reading (surface reading). Then measure the dose rate one meter from the side exhibiting the maximum surface dose rate.
2. Perform a wipe test on the outside surface of the shipping container. Maximum regulatory limit for wipe test results is 6800 dpm/300 cm² (or 2200dpm/100cm²). However, for ALARA practices, shipping containers in excess of 220dpm/100cm² should be decontaminated and/or changed prior to transporting.

Table 1: DOT Radioactive Materials Labeling Specifications

| Label Types | Surface Reading | One Meter Reading (TI) |
|-------------|--------------------|------------------------|
| White I | up to 0.5 mR/hr | N/A |
| Yellow II | 0.5 up to 50 mR/hr | up to 1 |
| Yellow III* | 50 up to 200 mR/hr | 1 to 10 |

-
3. The Bill of Lading, including the shipper's certification, must be present. A Bill of Lading is needed to identify all the necessary information about the contents of the shipment, and the certification is a signed statement that the package has been prepared in accordance with DOT regulations.
 4. Place the packages in a secure location in the transportation vehicle. Locate as far as possible from any occupants.
 5. A spill kit in the vehicle should contain the following:
 - Absorbent material
 - Waste container
 - Disposable gloves
 - Hand held survey meter
 6. The shipment is now ready for transport.
 7. Once at the testing facility the packages are placed in a secured location under the direct supervision of a licensed handler for the duration of the testing.
 8. The packages are then transported back the base hot lab (2490 Mosside Blvd).
 9. The packages are then surveyed and wipe tested for return to the pharmacy using the above-mentioned procedures.

C. Limited Quantity Exceptions

Radioactive packages with activity that does not exceed the limits shown on Attachment I are exempted from packaging, marking, and labeling requirements as long as the following conditions are met:

1. The materials are shipped in strong packages that will not leak during normal transportation.
2. The inner containers bear the marking "Radioactive", such as on syringe shields or Moly-Tech generators.
3. The radiation level at any point on the external surface of the package does not exceed 0.5 mR/hr as determined with a low-level survey meter
4. External package surface wipe tests indicate no removable contamination in excess of 6600 dpm/300cm² (or 2200 dpm/100cm²).
5. A notice stating **"This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package-Limited Quantity of material, UN 2910"** must be enclosed in or on the package.

If the above conditions are met, DOT "RADIOACTIVE" labels are not required, the proper shipping name and UN number are not required to be marked on the outside

of the container (box or case), and a security seal is not required for Limited Quantity shipments.

Attachment I: Package Activity for Limited Quantity Shipments

| Radionuclide | Physical Form | Limited Quantity | |
|--------------|---------------|------------------|-------|
| | | (MBq) | (mCi) |
| Ba-133 | Solid | 3000 | 81 |
| Ce-57 | Liquid | 1000 | 27 |
| Ce-57 | Solid | 10000 | 270 |
| Ce-58 | Liquid | 100 | 2.7 |
| Ce-58 | Solid | 1000 | 27 |
| Cr-51 | Liquid | 3000 | 81 |
| Cs-137 | Solid | 600 | 16 |
| F-18 | Liquid | 60 | 2 |
| Ga-67 | Liquid | 300 | 8.1 |
| I-123 | Liquid | 300 | 8.1 |
| I-123 | Solid | 3000 | 81 |
| I-125 | Liquid | 300 | 8.1 |
| I-125 | Solid | 3000 | 81 |
| I-131 | Liquid | 70 | 1.9 |
| I-131 | Solid | 700 | 19 |
| In-111 | Liquid | 300 | 8.1 |
| Mo-99 | Solid | 600 | 16 |
| P-32 | Liquid | 50 | 1.4 |
| Re-186 | Liquid | 60 | 2 |
| Sr-89 | Liquid | 60 | 2 |
| Tc-99m | Liquid | 400 | 11 |
| Tl-201 | Liquid | 400 | 11 |
| Xe-133 | Gas | 10000 | 270 |
| Y-90 | Liquid | 30 | 0.81 |

When shipping more than one type of radioactive material on the same package, the activity limit of the total package is determined by the smallest value assigned to the material

These numbers are based on 10^{-4} A₂ values as stated in the 10CFR49, Part 173.421