

**From:** Peter Mas [Pmas@harthosp.org]  
**Sent:** Friday, November 02, 2012 2:03 PM  
**Tc:** Weidner, Tara  
**Subject:** Leak test on disposed sources  
**Attachments:** Certify Leak Test 1108\_2\_1.pdf; CS\_137\_Long\_Bill\_17\_August\_2011.pdf

Tara-

I am catching up to your emails. Sorry its taken this long.

Item A- Addition of AMP's; will have to wait until I get correspondence from the preceptors. I will resubmit the proposed AMPs at later date.

Item B- Sources Disposed

1. Leak test data for disposals.
2. Bill of Lading is "CS\_137\_Long\_Bill..."
3. Item 6. D: Possession adjust to 1 Curie.

Item C- Cesium source to NRRON.

Thanks for the guidance. I will followup with NRRON/ECHN on the licensing matter.

## **HARTFORD HOSPITAL**

Radiation Safety Office  
80 Seymour Street  
Hartford, CT 06102-5037

### **CERTIFICATE OF SOURCE LEAK TESTING**

Model: -various-

Radionuclide: Co-57, Co-60, Ni-63, Ge-68, Sr-90, Cs-137, Gd-153, Ra-226

Lot/Serial No: -various-

Test date: June 23, 2011

The sources listed (see page 2) were tested for surface contamination and radioactivity leakage utilizing a wipe test technique of an alcohol swab over the surface area of the source. These sources were taken out of safe storage to be discarded as radioactive wastes. Sources which were not exempt by regulatory criteria were leak tested.

Results: Leakage/contamination did not exceed 0.005 microCurie (185 dpm) for any tested source.

\*\*Gamma-ray emitting sealed sources of less than 0.1 milliCuries are exempt from less testing.

\*\*Beta particle emitting sealed sources of less than 0.01 milliCuries are exempt from less testing.



Peter J. Mas, MS, DABMP  
Health Physicist & RSO  
860-545-2676

HARTFORD HOSPITAL, CT

UN2915, Radioactive Material, Type A Package  
Cs-137, Solid, oxide (Activity: 30.59 GBq)  
Ra-226, solid, oxide (Activity: 0.073 GBq)  
Ni-63, solid, oxide (Activity: 0.0727 GBq)  
Gd-153, solid, oxide (Activity: 2.7024 GBq)  
Total Activity 33.8054 GBq  
Radioactive Label Applied: II Yellow, TI= 0.4  
Security Seal: 00001321, RAMPAK 1

UN2915, Radioactive Material, Type A Package  
Cs-137, Solid, oxide (Activity: 1.88 GBq)  
Sr-90, solid, oxide (Activity: 2.43 GBq)  
Total Activity 4.31 GBq  
Radioactive Label Applied: II Yellow, TI=0.8  
Security Seal: 00001327, RAMPAK 2

UN2915, Radioactive Material, Type A Package  
Ge-68, Solid, oxide  
C0-57, solid, oxide  
Co-60, solid, oxide  
Cs-137, solid, oxide  
Total Activity 0.2639 GBq  
Radioactive Label Applied: II Yellow, TI= 0.5  
Security Seal: 00001314, RAMPAK 3


Shipper No. RAM Services, Inc.

Carrier No. \_\_\_\_\_

Date \_\_\_\_\_

# **STRAIGHT BILL OF LADING** **ORIGINAL – NOT NEGOTIABLE**

<b>TO:</b> Donald Jordan, (920) 686-3889 <b>Consignee:</b> RAM Services, Inc.  On collect or Delivery Shipments, the letters "COD" must appear before consignor's name or as otherwise provided in Item 430, Sec. 1.		<b>FROM:</b> Jerry Wiza/Peter Mas (860) 545-2676  <b>Shipper:</b> RAM Services, Inc. (Hartford Hospital)	
<b>Street:</b> 510 County Highway V		<b>Street:</b> 80 Seymour Street	
<b>Destination:</b> Two Rivers, WI 54241		<b>Origin:</b> Hartford, CT 06102	
<b>Route:</b>		<b>Vehicle Number</b>	
<b>No. of Units &amp; Container Type</b>	<b>HM</b>	<b>DESCRIPTION AND CLASSIFICATION</b> (Proper Shipping Name, Class and Identification Number per 172.101, 172.202, 172.203)	<b>TOTAL QUANTITY</b> (Weight, Volume, Gallons, etc.)
1 x 30 gallon Type A steel drum		UN2915, Radioactive Material, Type A Package Cs-137, Solid, oxide (Activity: 30.59 GBq) Ra-226, solid, oxide (Activity: 0.073 GBq) Ni-63, solid, oxide (Activity: 0.0727 GBq) Gd-153, solid, oxide (Activity: 2.7024 GBq) Total Activity 33.8054 GBq Radioactive Label Applied: II Yellow, TI= 0.4 Security Seal: 00001321, RAMPAK 1	4.1 cu ft  158 kg (350 lbs)
1 x 10 gallon Type A steel drum		UN2915, Radioactive Material, Type A Package Cs-137, Solid, oxide (Activity: 1.88 GBq) Sr-90, solid, oxide (Activity: 2.43 GBq) Total Activity 4.31 GBq Radioactive Label Applied: II Yellow, TI=0.8 Security Seal: 00001327, RAMPAK 2	1.34 cu ft  34 kg (75 lbs)
1 x 10 gallon Type A steel drum		UN2915, Radioactive Material, Type A Package Ge-68, Solid, oxide C0-57, solid, oxide Co-60, solid, oxide Cs-137, solid, oxide Total Activity 0.2639 GBq Radioactive Label Applied: II Yellow, TI= 0.5 Security Seal: 00001314, RAMPAK 3	1.34 cu ft  63.5 kg (140 lbs)
<b>PLACARDS TENDERED: NO</b>			
<b>Shipper Certification:</b> I hereby declare that the contents of this consignment are fully and accurately described by shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to applicable international and national government regulations.  _____ Signature		<b>EXCLUSIVE USE: NO</b>  <b>24 Hour Emergency Contact Information:</b>  Telephone Number: <b>800 424-9300</b> Contact: <b>Chemtrec (Contract 210964)</b>	
<b>SHIPPER:</b> Jerry Wiza  <b>PER:</b> RAM Services, Inc.  <b>DATE:</b> 17 August 2011		<b>CARRIER:</b> RAM Services, Inc.  <b>PER:</b> _____  <b>DATE:</b> 17 August 2011	