

**Radiation Oncology Associates of Lynchburg  
and  
Alan B. Pearson Regional Cancer Center**

**RADIATION ONCOLOGY AND PHYSICS DEPARTMENTS**

45-02207-01  
03003309

1701 Thomson Drive  
Lynchburg, Virginia 24501

(434) 200-4010  
FAX (434) 200-7400  
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J-9  
MS-16

Date: 8/26/08

To: Tara Weidner

From: Dana Duffield (434) 200-4006

This fax consists of 18 pages including this cover sheet.

MESSAGE:

Control # 142689

**FAX TRANSMITTAL**

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RADIATION ONCOLOGY

08/26/2008 15:28 FAX 434 200 7400

| NRC FORM 540 (3-95)  |  | U.S. NUCLEAR REGULATORY COMMISSION   |  | 5. SHIPPER - NAME AND FACILITY  |  | SHIPMENT ID NUMBER                                   |  | 7. FORM 540 AND 540A PAGE 1 OF 1 PAGE(S)   |  | 8. MANIFEST NUMBER   |  |                   |  |  |  |                                      |  |
|--|--|--|--|---|--|--|--|--|--|--|--|-------------------|--|--|--|--------------------------------------|--|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER  |  | Philotechnics, Ltd @ Virginia Baptist Hospital<br>3300 Rivermont Avenue<br>Lynchburg, VA 24503 |  | 0882-052108PE   |  | X COLLECTOR PROCESSOR                                |  | FORM 541 AND 541A PAGE(S)<br>FORM 542 AND 542A PAGE(S)<br>ADDITIONAL INFORMATION NONE PAGE(S)  |  | (Use this number on all continuation pages)<br>0882-052108PE                     |  |                   |  |  |  |                                      |  |
| 1. EMERGENCY TELEPHONE NUMBER (Include Area Code)<br>800-424-9300  |  | USER PERMIT NUMBER   |  | SHIPMENT NUMBER<br>0882-052108PE  |  | GENERATOR TYPE (Specify)                             |  | 9. CONSIGNEE - Name and Facility Address<br>Perma-Fix/North WestRichland<br>Operated By Perma-Fix of Florida<br>2025 Battelle Blvd<br>Richland, WA 99354 |  | CONTACT<br>Larry Morin<br>TELEPHONE NUMBER (Include Area Code)<br>(509) 375-7048 |  |                   |  |  |  |                                      |  |
| ORGANIZATION<br>CHEMTREC   |  | CONTACT<br>Dana Duffield   |  | TELEPHONE NUMBER (Include Area Code)<br>(434) 947-4006  |  | EPA I.D. NUMBER<br>MOR000501973                      |  | SIGNATURE - Authorized consignee acknowledging waste receipt   |  | DATE   |  |                   |  |  |  |                                      |  |
| 2. IS THIS AN "EXCLUSIVE USE" SHIPMENT?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO  |  | 3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST<br>1                                   |  | 6. CARRIER - Name and Address<br>R & R Trucking<br>302 Thunder Road<br>Duenweg, MO 64841  |  | Truck #:<br>Trailer #:                               |  | SHIPPING DATE<br>05/21/2008  |  | 10. CERTIFICATION  |  |                   |  |  |  |                                      |  |
| 4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO<br>If "Yes", provide Manifest Number ----> |  | EPA MANIFEST NUMBER<br>NA  |  | CONTACT<br>Marion Singletary  |  | TELEPHONE NUMBER (Include Area Code)<br>866-252-2784 |  | SIGNATURE - Authorized carrier acknowledging waste receipt<br><i>Marion Singletary</i>   |  | DATE<br>5/21/08  |  |                   |  |  |  |                                      |  |
| 11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)   |  | 12. DOT LABEL "RADIOACTIVE"  |  | 13. TRANSPORT INDEX   |  | 14. PHYSICAL AND CHEMICAL FORM                       |  | 15. INDIVIDUAL RADIONUCLIDES   |  | 16. TOTAL PACKAGE ACTIVITY MBq mCi   |  | 17. LSA/SCO CLASS |  | 18. TOTAL WEIGHT OR VOLUME (Use appropriate units) |  | 19. IDENTIFICATION NUMBER OF PACKAGE |  |
| UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 DAW-SOURCES<br>1 - 85 GALLON OP DRUM   |  | White<br>Yellow II   |  | NA<br>1.5   |  | SOLID/METAL OXIDES                                   |  | BA-133 ; CO-57 ; CS-137 ; EU-152   |  | 0.0175935000 (0.0004755000)  |  | NA                |  | 11.60 R <sup>3</sup><br>150.00000 lb               |  | 08-006050 (CENTRA-2)                 |  |
| FOR CONSIGNEE USE ONLY   |  |  |  | 20. Generator Certification Statement   |  |  |  |  |  |  |  |                   |  |  |  |                                      |  |
|  |  |  |  | <p>A) Radioactive Materials. Certification is hereby made that this shipment of low-level radioactive waste has been prepared in accordance with a radioactive waste management program which has been approved by the Nuclear Regulatory Commission or an Agreement State regulatory agency and with the current revision of the site Material Acceptance Criteria.</p> <p>B) Hazardous Materials. Generator hereby certifies that this material does not contain a hazardous waste as defined in 40 CFR 261.</p> <p>C) Date. Generator hereby represents and warrants that all data set forth in this UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and the Radioactive Material Licenses.</p> <p>D) INFECTIOUS SUBSTANCE: Generator hereby certifies that this material does not contain an infectious substance as defined in 49CFR 173.134</p> |  |  |  |  |  |  |  |                   |  |  |  |                                      |  |
|  |  |  |  | <p><u>BRIAN HAMES</u> Print Name      <u><i>Brian Hames</i></u> Signature      <u>5/21/08</u> Date</p>  |  |  |  |  |  |  |  |                   |  |  |  |                                      |  |

|   |  |  |  |   |  |  |  |   |  |
|---|--|--|--|---|--|--|--|---|--|
| <b>NRC FORM 541 (3-95)</b><br><b>U.S. NUCLEAR REGULATORY COMMISSION</b><br><b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST</b><br><b>CONTAINER AND WASTE DESCRIPTION</b><br>Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste | <b>1. MANIFEST TOTALS</b>  |  |  |   |  |  |  | <b>2. MANIFEST NUMBER</b><br>0882-052108PE                              |  |
|   | NUMBER OF PACKAGES/ DISPOSAL CONTAINERS<br>1   | NET WASTE VOLUME<br>m <sup>3</sup> 0.32848<br>ft <sup>3</sup> 11.60000 | NET WASTE WEIGHT<br>kg 35.38002<br>lb 78.00800 | SPECIAL NUCLEAR MATERIAL (grams)<br>U-233 U-235 Pu TOTAL<br>NP NP NP NP |  |  |  | <b>3. PAGE 1 OF 1 PAGE(S)</b>   |  |
|   | ACTIVITY (MBq/mCi) (LLD UNITS IN uCi/mc)<br>ALL NUCLIDES TRITIUM C-14 Te-99 I-129 SOURCE<br>MBq 0.0175935000 NP NP NP NP NP NP<br>mCi 0.0004755000 NP NP NP NP NP NP |  |  |   |  |  |  | <b>4. SHIPPER NAME</b><br>Phlotechnics, Ltd @ Virginia Baptist Hospital |  |
|   |  |  |  |   |  |  |  | <b>SHIPMENT ID NUMBER</b><br>0882-052108PE                              |  |

| DISPOSAL CONTAINER DESCRIPTION                              |                                       |  |                                     |   |   | WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER |   |  |                          |                                    |  | 16. WASTE CLASSIFICATION<br>AS - Class A Stable<br>AU - Class A Unstable<br>B - Class B<br>C - Class C |   |
|---|---------------------------------------|--|-------------------------------------|---|---|--|---|--|--------------------------|------------------------------------|--|--|---|
| 5. CONTAINER IDENTIFICATION NUMBER/ TRANSPORT PERMIT NUMBER | 6. CONTAINER DESCRIPTION (See Note 1) | 7. VOLUME m <sup>3</sup> ft <sup>3</sup> | 8. WASTE AND CONTAINER WEIGHT kg lb | 9. SURFACE RADIATION LEVEL mSv/hr mrem/hr | 10. SURFACE CONTAMINATION MBq/100 cm <sup>2</sup> dpm/100 cm <sup>2</sup> | 11. WASTE DESCRIPTOR (See Note 2)                  | 12. PHYSICAL DESCRIPTION  |  | 14. CHEMICAL DESCRIPTION | 15. RADIOLOGICAL DESCRIPTION       |  |  |   |
|   |                                       |  |                                     |   |   |  | 12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER m <sup>3</sup> ft <sup>3</sup> | 13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3) |                          | 14. CHEMICAL FORM/ CHELATING AGENT | WEIGHT % CHELATING AGENT IF > 0.1%   |  | INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT |
| #. Innepack Container<br>08-005050 (CENTRA-2)               | 4                                     | 0.32848<br>11.60000                      | 58.03850<br>150.00000               | 0.01759350<br>10.0                        | < 0.00003674<br>< 220   | 40   | 0.32848<br>11.60000   | 100  | SOLID METAL OXIDES / NP  | NP                                 | RADIONUCLIDES<br>BA-133 0.0014515000<br>CO-57 0.0052910000<br>CS-137 0.0108040000<br>EU-152 0.0000370000<br>Sub Total 0.0175935000 | 0.0000395000<br>0.0001430000<br>0.0002820000<br>0.0000010000<br>0.0004755000                           | AU  |
| Package Total   |                                       |  |                                     |   |   |  |   |  |                          |                                    | 0.0175935000   | 0.0004755000   |   |
| Shipment Total  |                                       | 0.32848<br>11.60000                      | 58.03850<br>150.00000               |   |   |  |   |  |                          |                                    | 0.0175935000   | 0.0004755000   |   |

**NOTE 1: Container Description Codes.** For containers/wastes requiring disposal in approved structural overpacks, the numerical code must be followed by "-OP".

|                               |   |
|-------------------------------|---|
| 1. Wooden Box or Crate        | 3. Demineralizer                                  |
| 2. Metal Box                  | 10. Gas Cylinder                                  |
| 3. Plastic Drum or Pail       | 11. Bulk, Unpackaged Waste                        |
| 4. Metal Drum or Pail         | 12. Unpackaged Components                         |
| 5. Metal Tank or Liner        | 13. High Integrity Container                      |
| 6. Concrete Tank or Liner     | 15. Other. Describe in Item 5, or additional page |
| 7. Polyethylene Tank or Liner |   |
| 8. Fiberglass Tank or Liner   |   |

**NOTE 2: Waste Descriptor Codes.** (Choose up to three which predominate by volume.)

|                            |                                  |  |
|----------------------------|----------------------------------|--|
| 29. Charcoal               | 29. Demolition Rubble            | 38. Evaporator Bottoms/Sludges/ Concentrates       |
| 21. Incinerator Ash        | 30. Cation Ion-exchange Media    | 39. Compressible Trash                             |
| 22. Soil                   | 31. Anion Ion-exchange Media     | 40. Noncompressible Trash                          |
| 23. Grease                 | 32. Mixed Bed Ion-exchange Media | 41. Animal Carcasses                               |
| 24. Oil                    | 33. Contaminated Equipment       | 42. Biological Material (except animal carcasses)  |
| 25. Aqueous Liquid         | 34. Organic Liquid (except oil)  | 43. Activated Material                             |
| 26. Filter Media           | 35. Glassware or Linework        | 44. Other. Describe in Item 11, or additional page |
| 27. Mechanical Filter      | 36. Sealed Source/Device         |  |
| 28. EPA or State Hazardous | 37. Paint or Plating             |  |

**NOTE 3: Sorption, Solidification and Stabilization Media Codes.** (Choose up to three which predominate by volume). For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S". For all solidification media, the vendor and brand name must also be identified in Item 13. Code 100=None Required.

|                 |  |
|-----------------|--|
| <b>Sorption</b> | <b>Solidification</b>                              |
| 50. Speedi Ori  | 64. Sulfur Sorb                                    |
| 51. Cellon      | 65. Sulfur Dri                                     |
| 52. Floor Dry   | 66. Floccs   |
| 53. Hi Dri      | 67. Floccs X                                       |
|                 | 68. Sodal A Sorb                                   |
|                 | 69. Chemfil 30                                     |
|                 | 70. Chemfil 50                                     |
|                 | 71. Chemfil 3030                                   |
|                 | 72. Discipant HP 200                               |
|                 | 73. Discipant HP 500                               |
|                 | 74. Peloset  |
|                 | 75. Peloset II                                     |
|                 | 76. Aquaset  |
|                 | 77. Aquaset B                                      |
|                 | 78. Other. Describe in Item 13 or additional page. |
|                 | 79. Cement   |
|                 | 80. Concrete (encapsulation)                       |
|                 | 81. Siluxen  |
|                 | 82. Siluxen  |
|                 | 83. Vinyl Chloride                                 |
|                 | 84. Vinyl Ester Systems                            |
|                 | 85. Other. Describe in Item 13, or additional page |
|                 | 100. None Required                                 |

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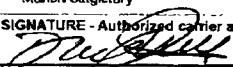
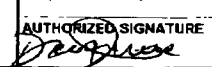
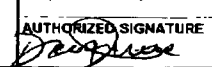
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| NRC FORM 542  |  | U.S. NUCLEAR REGULATORY COMMISSION                     |                                  |   |   |            |                             |                                  |      |     |             | 2. MANIFEST NUMBER     |                |                 |          |           |                                    |
|---|--|--|----------------------------------|---|---|------------|-----------------------------|----------------------------------|------|-----|-------------|------------------------|----------------|-----------------|----------|-----------|------------------------------------|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST  |  | 1. WASTE COLLECTOR/PROCESSOR                           |                                  |   |   |            |                             |                                  |      |     |             | 0882-052108PE          |                |                 |          |           |                                    |
| MANIFEST INDEX AND REGIONAL COMPACT TABULATION  |  | NAME<br>Phibotechnics, Ltd @ Virginia Baptist Hospital |                                  |   |   |            |                             |                                  |      |     |             | 3. PAGE 1 OF 1 PAGE(S) |                |                 |          |           |                                    |
| List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators |  | IDENTIFICATION NUMBER                                  |                                  |   |   |            |                             |                                  |      |     |             |                        |                |                 |          |           |                                    |
|   |  | SHIPPING DATE<br>05/21/2008                            |                                  |   |   |            |                             |                                  |      |     |             |                        |                |                 |          |           |                                    |
| 4.  | 5.                                       | 6.   | 6A.                              | 7.                                      | 8.  | 9.         | 10.                         | 11. AS PROCESSED/COLLECTED TOTAL |      |     |             |                        |                |                 |          |           |                                    |
| S.C. TRANSPORT PERMIT NUMBER  | GENERATOR NAME AND TELEPHONE NUMBER      | GENERATOR FACILITY ADDRESS                             | WASTE DESCRIPTION (NOMENCLATURE) | PREPROCESSED WASTE (OR MATERIAL) VOLUME | MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT | WASTE CODE | ORIGINATING REGION OR STATE | A. SOURCE MATERIAL               |      |     | B. SNM      | C. ACTIVITY            |                | D. VOLUME       |          | E. WEIGHT | F. MAXIMUM PACKAGE RADIATION LEVEL |
|   |  |  |                                  | m <sup>3</sup>                          | lb <sup>s</sup>   |            |                             | (kg)                             | (lb) | (g) | MBq         | mCi                    | m <sup>3</sup> | ft <sup>3</sup> | (lb)     | (mrem/hr) |                                    |
|   | Virginia Baptist Hospital (434) 947-4006 | 3300 Riverview Avenue Lynchburg, VA 24503              | Non-Compactable Trash            | 0.32848                                 | 11.60060<br>Onsite Generation<br>05/19/2008                                     | C          | VA                          | NP                               | NP   | NP  | 0.17594     | 0.00476                | 0.32848        | 11.60060        | 73.00000 | <0.5      |                                    |
| <b>TOTALS OF ALL PAGES (FORMS 542 AND 542A)</b>   |  |  |                                  |   |   |            |                             | NP                               | NP   | NP  | 0.017593600 | 0.004755000            | 0.32848        | 11.60060        | 73.00000 | N/A       |                                    |

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|---|--|---|--|---|--|---|--|--|--|
| <b>NRC FORM 540 (3-95)</b><br><b>U.S. NUCLEAR REGULATORY COMMISSION</b><br><b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>         |  | <b>5. SHIPPER - NAME AND FACILITY</b><br>Philotechnics, Ltd @ Virginia Baptist Hospital<br>3300 Rivermont Avenue<br>Lynchburg, VA 24503 |  | <b>SHIPMENT ID NUMBER</b><br>0882-052108PH<br><b>PROCESSOR</b><br>X COLLECTOR   |  | <b>7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION</b><br>PAGE 1 OF 1 PAGE(S)<br>1 PAGE(S)<br>1 PAGE(S)<br>NONE PAGE(S) |  | <b>8. MANIFEST NUMBER</b><br>(Use this number on all continuation pages)<br>0882-052108PH  |  |
| <b>1. EMERGENCY TELEPHONE NUMBER (Include Area Code)</b><br>800-424-9300  |  | <b>USER PERMIT NUMBER</b><br>_____  |  | <b>SHIPMENT NUMBER</b><br>0882-052108PH   |  | <b>GENERATOR TYPE (Specify)</b><br>_____  |  | <b>9. CONSIGNEE - Name and Facility Address</b><br>Philotechnics, Ltd.<br>Operated By Philotechnics, Ltd<br>201 Renovars Blvd.<br>Oak Ridge, TN 37830  |  |
| <b>ORGANIZATION</b><br>CHEMTREC   |  | <b>CONTACT</b><br>Dana Duffield   |  | <b>TELEPHONE NUMBER (Include Area Code)</b><br>(434) 947-4006   |  | <b>CONTACT</b><br>Darrell K. Jerrell  |  | <b>TELEPHONE NUMBER (Include Area Code)</b><br>(865) 483-0551  |  |
| <b>2. IS THIS AN "EXCLUSIVE USE" SHIPMENT?</b><br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO                              |  | <b>3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST</b><br>=====> 1  |  | <b>6. CARRIER - Name and Address</b><br>R & R Trucking<br>302 Thunder Road<br>Duenweg, MO 64841   |  | <b>Truck #:</b><br>_____  |  | <b>EPA I.D. NUMBER</b><br>MOR000501973   |  |
| <b>4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT?</b><br>If "Yes", provide Manifest Number ==>                             |  | <b>EPA MANIFEST NUMBER</b><br>N/A   |  | <b>CONTACT</b><br>Marion Singletary   |  | <b>Trailer #:</b><br>_____  |  | <b>SHIPPING DATE</b><br>05/21/2008   |  |
|   |  |   |  | <b>SIGNATURE - Authorized carrier acknowledging waste receipt</b><br>  |  | <b>TELEPHONE NUMBER (Include Area Code)</b><br>866-252-2784   |  | <b>DATE</b><br>5/21/08   |  |
|   |  |   |  | <b>SIGNATURE - Authorized consignee acknowledging waste receipt</b><br>  |  | <b>DATE</b><br>5/21/08  |  | <b>10. CERTIFICATION</b><br>This is to certify that the herein named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and in proper condition for transportation and disposal in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulation. |  |
|   |  |   |  | <b>AUTHORIZED SIGNATURE</b><br>  |  | <b>TITLE</b><br>Logistics Mgr   |  | <b>DATE</b><br>5/21/08   |  |
| <b>11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information)</b> |  | <b>12. DOT LABEL "RADIOACTIVE"</b><br>Yellow II   |  | <b>13. TRANSPORT INDEX</b><br>9.0   |  | <b>14. PHYSICAL AND CHEMICAL FORM</b><br>SOLID/METAL OXIDES CS-137  |  | <b>15. INDIVIDUAL RADIONUCLIDES</b>  |  |
| UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 SOURCES/ENCAPSULATE 1-30 GAL DRUM   |  |   |  |   |  |   |  | <b>16. TOTAL PACKAGE ACTIVITY</b><br>MBq mCi<br>17838.4400000 (482.12000000)   |  |
|   |  |   |  |   |  |   |  | <b>17. LSA/SCO CLASS</b><br>NA   |  |
|   |  |   |  |   |  |   |  | <b>18. TOTAL WEIGHT OR VOLUME (Use appropriate units)</b><br>4.10 R <sup>3</sup><br>150.00000 lb   |  |
|   |  |   |  |   |  |   |  | <b>19. IDENTIFICATION NUMBER OF PACKAGE</b><br>08-006049 (CENTRA-1)  |  |
| <b>FOR CONSIGNEE USE ONLY</b>   |  |   |  | <b>20. Generator Certification Statement</b><br>A) Radioactive Materials: Certification is hereby made that this shipment of low-level radioactive waste has been prepared in accordance with a radioactive waste management program which has been approved by the Nuclear Regulatory Commission or an Agreement State regulatory agency and with the current revision of the site Material Acceptance Criteria.<br>B) Hazardous Materials: Generator hereby certifies that this material does (or does not) contain a hazardous waste as defined in 40 CFR 271.<br>C) Date: Generator hereby represents and warrants that all data and facts in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and site radioactive material licenses.<br>D) INFECTIOUS SUBSTANCE: Generator hereby certifies that this material does not contain an infectious substance as defined in 49CFR 173.134 |  |   |  |  |  |
|   |  |   |  | Brian James<br>Brian James<br>5/21/08   |  |   |  |  |  |

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|   |   |  |                       |                                  |             |          |  |
|---|---|--|-----------------------|----------------------------------|-------------|----------|--|
| <b>NRC FORM 541 (3-95)</b><br><b>U.S. NUCLEAR REGULATORY COMMISSION</b><br><b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST</b><br><b>CONTAINER AND WASTE DESCRIPTION</b><br>Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste | <b>1. MANIFEST TOTALS</b>                 |  |                       |                                  |             |          | <b>2. MANIFEST NUMBER</b><br>0862-052108PH |
|   | NUMBER OF PACKAGES/ DISPOSAL CONTAINERS   | NET WASTE VOLUME                             | NET WASTE WEIGHT      | SPECIAL NUCLEAR MATERIAL (grams) |             |          | TOTAL                                      |
|   | 1   | m <sup>3</sup><br>0.11610; kg<br>4.10000; lb | 54,43080<br>120.00000 | U-233<br>NP                      | U-235<br>NP | Pu<br>NP | NP   |
|   | ACTIVITY (MBq/mCi) (LLD UNITS IN µCi/lcc) |  |                       |                                  |             |          | SOURCE                                     |
| MBq   | 17838.4400000000                          | NP   | C-14<br>NP            | Tc-99<br>NP                      | I-129<br>NP | NP       |  |
| mCi   | 462.1200000000                            | NP   | NP                    | NP                               | NP          | NP       |  |

| DISPOSAL CONTAINER DESCRIPTION  |                                       |   |                                     |   | WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER                        |              |                                   |  |  |                                    |   | 16. WASTE CLASSIFICATION<br>AS - Class A Stable<br>AU - Class A Unstable<br>B - Class B<br>C - Class C |                  |                |     |
|---|---------------------------------------|---|-------------------------------------|---|---|--------------|-----------------------------------|--|--|------------------------------------|---|--|------------------|----------------|-----|
| 5. CONTAINER IDENTIFICATION NUMBER/ TRANSPORT PERMIT NUMBER                   | 6. CONTAINER DESCRIPTION (See Note 1) | 7. VOLUME m <sup>3</sup> R <sup>3</sup> | 8. WASTE AND CONTAINER WEIGHT kg lb | 9. SURFACE RADIATION LEVEL mSv/hr mrem/yr | 10. SURFACE CONTAMINATION MBq/100 cm <sup>2</sup> dpm/100 cm <sup>2</sup> |              | 11. WASTE DESCRIPTOR (See Note 2) | 12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER m <sup>3</sup> R <sup>3</sup> | 13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3) | 14. CHEMICAL FORM/ CHELATING AGENT | 15. RADIOLOGICAL DESCRIPTION<br>INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL, OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT |  |                  |                |     |
|   |                                       |   |                                     |   | ALPHA   | BETA-GAMMA   |                                   |  |  |                                    |   |  | RADIONUCLIDES    | MBq            | mCi |
| <i>F - Innerpack Container</i>  |                                       |   |                                     |   |   |              |                                   |  |  |                                    |   |  |                  |                |     |
| 08-006049 (CENTRA-1)  | 4                                     | 0.11610                                 | 68.03850                            | 1.5-0.05                                  | < 0.00003674  | < 0.00003674 | 36                                | 0.11610  | 100  | SOLID METAL OXIDES / NP            | NP  | CS-137   | 17838.4400000000 | 462.1200000000 | AU  |
| Origin VA Virginia Baptist Hospital 3300 Rivermont Avenue Lynchburg, VA 24503 |                                       | 4.10000                                 | 150.00000                           | 150.6                                     | < 220   | < 2200       |                                   | 4.10000  |  |                                    |   | Sub Total  | 17838.4400000000 | 462.1200000000 |     |
| Package Total   |                                       |   |                                     |   |   |              |                                   |  |  |                                    |   |  | 17838.4400000000 | 462.1200000000 |     |
| Shipment Total  |                                       | 0.11610                                 | 68.03850                            |   |   |              |                                   |  |  |                                    |   |  | 17838.4400000000 | 462.1200000000 |     |
|   |                                       | 4.10000                                 | 150.00000                           |   |   |              |                                   |  |  |                                    |   |  |                  |                |     |

**NOTE 1: Container Description Codes.** For containers/waste requiring disposal in approved structural overpacks, the numerical code must be followed by "OP."

|                               |  |
|-------------------------------|--|
| 1. Wooden Box or Crate        | 9. Demineralizer                                   |
| 2. Metal Box                  | 10. Gas Cylinder                                   |
| 3. Plastic Drum or Pail       | 11. Bulk, Unpackaged Waste                         |
| 4. Metal Drum or Pail         | 12. Unpackaged Components                          |
| 5. Metal Tank or Liner        | 13. High Integrity Container                       |
| 6. Concrete Tank or Liner     | 19. Other. Describe in Item 11, or additional page |
| 7. Polyethylene Tank or Liner |  |
| 8. Fiberglass Tank or Liner   |  |

**NOTE 2: Waste Descriptor Codes.** (Choose up to three which predominate by volume.)

|                            |                                  |  |
|----------------------------|----------------------------------|--|
| 20. Charcoal               | 29. Demolition Rubble            | 38. Evaporator Bottoms/Sludges/ Concentrates       |
| 21. Incinerator Ash        | 30. Carbon Ion-exchange Media    | 39. Compressible Trash                             |
| 22. Soil                   | 31. Anion Ion-exchange Media     | 40. Noncompressible Trash                          |
| 23. Gas                    | 32. Mixed Bed Ion-exchange Media | 41. Animal Carcass                                 |
| 24. Oil                    | 33. Contaminated Equipment       | 42. Biological Material (except animal carcass)    |
| 25. Aerosols/Liquid        | 34. Organic Liquid (except oil)  | 43. Activated Material                             |
| 26. Fiber Media            | 35. Glassware or Liners          | 44. Other. Describe in Item 11, or additional page |
| 27. Mechanical Filter      | 36. Sealed Source/Device         |  |
| 28. EPA or State Hazardous | 37. Paint or Plating             |  |

**NOTE 3: Sorption, Solidification and Stabilization Media Codes.** (Choose up to three which predominate by volume). For media meeting disposal site structural stability requirements, the numerical code must be followed by "S". For all solidification media, the vendor and brand name must also be identified in Item 15. Code 100=None Required

|                          |   |
|--------------------------|---|
| <b>Sorption</b>          | <b>Solidification</b>                               |
| 66. Spent Oil            | 84. Side T Scab                                     |
| 67. Cobalt               | 85. Side N Oil                                      |
| 68. Floor Dry/ Superfine | 86. Floor X   |
| 69. No Oil               | 87. Floor X   |
|                          | 88. Solid A Scab                                    |
|                          | 89. Chemical 30                                     |
|                          | 90. Chemical 50                                     |
|                          | 91. Chemical 30/30                                  |
|                          | 92. Diaper HP 200                                   |
|                          | 93. Diaper HP400                                    |
|                          | 94. Petroset  |
|                          | 95. Petroset II                                     |
|                          | 96. Aquaset   |
|                          | 97. Aquaset II                                      |
|                          | 98. Other. Describe in Item 13 or additional page.  |
|                          | 99. Cement  |
|                          | 100. Concrete (incapsulation)                       |
|                          | 101. Bitumen  |
|                          | 102. Vinyl Chloride                                 |
|                          | 103. Vinyl Ester Styrene                            |
|                          | 104. Other. Describe in Item 13, or additional page |
|                          | 105. None Required                                  |

| NRC FORM 542  |   | U.S. NUCLEAR REGULATORY COMMISSION           |                                     | 1. WASTE COLLECTOR/PROCESSOR                           |                |  |                |   |                              | 2. MANIFEST NUMBER  |             |                  |                |         |           |                                    |     |
|---|---|--|-------------------------------------|--|----------------|--|----------------|---|------------------------------|---------------------|-------------|------------------|----------------|---------|-----------|------------------------------------|-----|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST  |   |  |                                     | NAME<br>Philetechnics, Ltd @ Virginia Baptist Hospital |                |  |                |   |                              | SHIPPER USE ONLY    |             |                  |                |         |           |                                    |     |
| MANIFEST INDEX AND REGIONAL COMPACT TABULATION  |   |  |                                     | IDENTIFICATION NUMBER                                  |                |  |                |   |                              | 0882-052108PH       |             |                  |                |         |           |                                    |     |
| List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators |   |  |                                     | SHIPPING DATE<br>05/21/2008                            |                |  |                |   |                              | PAGE 1 OF 1 PAGE(S) |             |                  |                |         |           |                                    |     |
| 4. S.C. TRANSPORT PERMIT NUMBER   | 5. GENERATOR NAME AND TELEPHONE NUMBER      | 6. GENERATOR FACILITY ADDRESS                | 7. WASTE DESCRIPTION (NOMENCLATURE) | 8. PREPROCESSED WASTE (OR MATERIAL) VOLUME             |                | 9. MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT | 10. WASTE CODE | 11. ORIGINATING COMPACT REGION OR STATE | AS PROCESSED/COLLECTED TOTAL |                     |             |                  |                |         |           |                                    |     |
|   |   |  |                                     | m <sup>3</sup>   | l <sup>3</sup> |  |                |   | A. SOURCE MATERIAL           | B. SNM              | C. ACTIVITY |                  | D. VOLUME      |         | E. WEIGHT | F. MAXIMUM PACKAGE RADIATION LEVEL |     |
| (kg)  | (lb)  | (g)  | MBq                                 | mCi  | m <sup>3</sup> | l <sup>3</sup>   | (B)            | (mrem/hr)                               |                              |                     |             |                  |                |         |           |                                    |     |
|   | Virginia Baptist Hospital<br>(434) 947-4006 | 3300 Rivermont Avenue<br>Lynchburg, VA 24503 | Sealed Source/Device                | 0.11610  | 4.10000        | Onsite Generation,<br>05/19/2008   | C              | VA                                      | NP                           | NP                  | NP          | 17838.44         | 482.12         | 0.11610 | 4.10000   | 120.00000                          | 5.0 |
| <b>TOTALS OF ALL PAGES (FORMS 542 AND 542A)</b>   |   |  |                                     |  |                |  |                |   | NP                           | NP                  | NP          | 17838.4400000000 | 482.1200000000 | 0.11610 | 4.10000   | 120.00000                          | N/A |

| Contains Hazardous Materials   |                    |  |             |   |                    |                                |                              |  |
|--|--------------------|--|-------------|---|--------------------|--------------------------------|------------------------------|--|
| <b>STRAIGHT BILL OF LADING</b><br>Original – Not Negotiable  |                    |  |             | Shipper's No.: 0882-1   |                    |                                |                              |  |
|  |                    |  |             | Carrier's No.: NA   |                    |                                |                              |  |
| Carrier: R&R Trucking  |                    |  |             | Date: 05/21/08  |                    |                                |                              |  |
| <b>TO:</b><br>Consignee: Lynchburg General Hospital<br>Street: 1901 Tate Springs Rd.<br>Destination: Lynchburg, VA 24501   |                    |  |             | <b>FROM:</b><br>Shipper: Philotechnics for Virginia Baptist Hospital<br>Street: 3300 Rivermont Rd<br>Origin: Lynchburg, VA 24503                                    |                    |                                |                              |  |
| Route: Major interstates and highways  |                    |  |             | Vehicle Number:   |                    |                                |                              |  |
| No. Shipping Units   | HM                 | Kind of Packages, Description of Articles<br>(IF HAZARDOUS MATERIALS – PROPER SHIPPING NAME) |             | Hazard Class  | I.D. Number        | Weight (Subject to Correction) | Rate                         | Labels Required (or exemption)                                 |
| 1  | X                  | Radioactive Material, Type A package,  |             | 7   | UN2915             | 13.6 Kg<br>30 Lb               |                              | Yellow II  |
|  |                    |  |             |   |                    |                                |                              |  |
|  |                    | On Contact Dose Rate: 5.0 mr/hr  |             |   |                    |                                |                              |  |
|  |                    | Nuclides: CS-137   |             |   |                    |                                |                              |  |
|  |                    | Total Activity:  | 9,805.0 MBq | 265.0 (Mci)   |                    |                                |                              |  |
|  |                    | Description/Package ID: 1 Metal Drums Sources<br>ID# LGH-1                                   |             |   |                    |                                |                              |  |
|  |                    |  |             |   |                    |                                |                              |  |
|  |                    |  |             |   |                    |                                |                              |  |
|  |                    |  |             |   |                    |                                |                              |  |
| This is to certify that the above-named materials are properly classified, described, packaged and labeled and are in proper condition for transportation according to applicable regulations of the Department of Transportation.<br>Per: |                    |  |             | Placards Requires   | None Required      | Placards Supplied              | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> No<br>Furnished by Carrier |
|  |                    |  |             |   |                    |                                | Driver Signature:            |  |
| Shipper:   | Philotechnics      |  |             | Carrier:  | R&R Trucking       |                                |                              |  |
| Per:   | <i>[Signature]</i> |  |             | Per:  | <i>[Signature]</i> |                                |                              |  |
| Date:  | 05/21/08           |  |             | Date:   | 05/21/08           |                                |                              |  |
| Emergency Response Telephone #:800-424-9300  |                    |  |             | Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge. |                    |                                |                              |  |
| Contains Hazardous Materials   |                    |  |             |   |                    |                                |                              |  |



| Contains Hazardous Materials   |    |   |                      |   |             |                                |                                |                   |  |
|--|----|---|----------------------|---|-------------|--------------------------------|--------------------------------|-------------------|--|
| <b>STRAIGHT BILL OF LADING</b>   |    |   |                      | Shipper's No.:  |             | 0882-2                         |                                |                   |  |
| Original - Not Negotiable  |    |   |                      | Carrier's No.:  |             | NA                             |                                |                   |  |
| Carrier: R&R Trucking  |    |   |                      | Date:   |             | 05/21/08                       |                                |                   |  |
| <b>TO:</b>   |    |   |                      | <b>FROM:</b>  |             |                                |                                |                   |  |
| Consignee: Alan B. Pearson Reg. Cancer Center  |    |   |                      | Shipper: Philotechnics for Virginia Baptist Hospital  |             |                                |                                |                   |  |
| Street: 1701 Thompson Drive  |    |   |                      | Street: 3300 Rivermont Rd   |             |                                |                                |                   |  |
| Destination: Lynchburg, VA 24501   |    |   |                      | Origin: Lynchburg, VA 24503   |             |                                |                                |                   |  |
| Route: Major interstates and highways  |    |   |                      | Vehicle Number:   |             |                                |                                |                   |  |
| No. Shipping Units   | HM | Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) |                      | Hazard Class  | I.D. Number | Weight (Subject to Correction) | Labels Required (or exemption) |                   |  |
| 1  | X  | Radioactive Material, Type A package,   |                      | 7   | UN2915      | 9.0 Kg<br>20 Lb                | Yellow II                      |                   |  |
|  |    |   |                      |   |             |                                |                                |                   |  |
|  |    |   |                      |   |             |                                |                                |                   |  |
|  |    |   |                      |   |             |                                |                                |                   |  |
|  |    | On Contact Dose Rate: 2.0 mR/hr   |                      |   |             |                                |                                |                   |  |
|  |    | TI= 0.1   |                      |   |             |                                |                                |                   |  |
|  |    | Nuclides:   | CS-137, Sr-90, U-238 |   |             |                                |                                |                   |  |
|  |    | Total Activity:   | 370.0296 MBq         | 100.0008 (MCI)  |             |                                |                                |                   |  |
|  |    | Description/Package ID: 1 Metal Drums Sources   |                      |   |             |                                |                                |                   |  |
|  |    | ID# APCC-1  |                      |   |             |                                |                                |                   |  |
|  |    |   |                      |   |             |                                |                                |                   |  |
|  |    |   |                      |   |             |                                |                                |                   |  |
|  |    |   |                      |   |             |                                |                                |                   |  |
| This is to certify that the above-named materials are properly classified, described, packaged and labeled and are in proper condition for transportation according to applicable regulations of the Department of Transportation.<br>Per. |    |   |                      | Placards Requires   |             | None Required                  |                                | Placards Supplied |  |
|  |    |   |                      |   |             |                                |                                |                   |  |
| Shipper: Philotechnics   |    |   |                      | Carrier: R&R Trucking   |             |                                |                                |                   |  |
| Per: <i>D. DeLuca</i>  |    |   |                      | Per: <i>D. DeLuca</i>   |             |                                |                                |                   |  |
| Date: 05/21/08   |    |   |                      | Date: 05/21/08  |             |                                |                                |                   |  |
| Emergency Response Telephone #: 800-424-9300   |    |   |                      | Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge. |             |                                |                                |                   |  |
| Contains Hazardous Materials   |    |   |                      |   |             |                                |                                |                   |  |

# PHILOTECHNICS

Phone: (865) 483-1551  
Fax: (865) 220-0686

## Invoice

| DATE     | INVOICE # |
|----------|-----------|
| 6/9/2008 | 4816      |

### BILL TO

Virginia Baptist Hospital  
3300 Ribermont Avenue  
Lynchburg, VA 24503  
Attn: Dana Duffield

### REMIT TO

Philotechnics, Ltd.  
P.O. Box 102158  
Atlanta, GA 30368

| P.O. NUMBER | TERMS       | DUE DATE | REP | SHIP | VIA | PROJECT    |
|-------------|-------------|----------|-----|------|-----|------------|
| 323862      | Net 30 Days | 7/9/2008 | JDG |      |     | 5006.00882 |

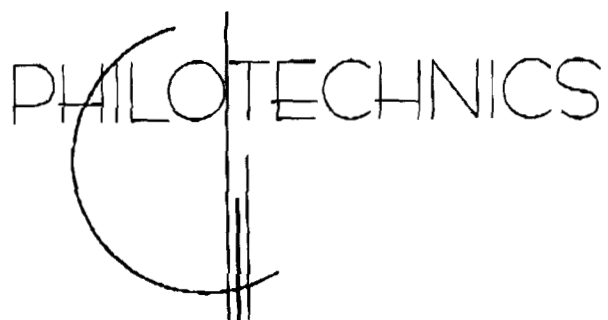
| QUANTITY | ITEM CODE | DESCRIPTION   | PRICE EACH | AMOUNT    |
|----------|-----------|---|------------|-----------|
|          |           | Manifest No.'s 0882-052108PE & 0882-052108PH  |            |           |
| 1        | Each      | (1) 85-gallon drum containing various DAW Sources for thermal treatment at PFNW with final disposal at EnergySolutions in Clive, Utah (drum # CENTRA-2)               | 2,250.00   | 2,250.00  |
| 1        | Each      | (1) 30-gallon steel drum of Cs-137 Sources for repackaging at Philotechnics with final disposal at Barnwell in South Carolina (drum # CENTRA-1)                       | 19,950.00  | 19,950.00 |
| 1        | Each      | On-site support to package sources for disposal at Barnwell and for shipment to LGH   | 3,000.00   | 3,000.00  |
| 1        | Each      | Manifesting and transport of Cs-137 Brachytherapy Sources and Cs-127 Calibration Source to LGH Radiation Oncology Dept. and Sr-90 and Cs-137 Sources to Cancer Center | 3,500.00   | 3,500.00  |

Thank you very much.

*Michelle Patterson*

**Total**

**528,700.00**



August 26, 2008

Ms. Dana Duffield  
Physics Department  
Centra Healthcare  
3300 Rivermont Avenue  
Lynchburg, VA 24503

Subject: Shipment Receipt Acknowledgement

Dear Dana:

I have attached a copy of the Receipt Acknowledgement Letter from PFNW for waste received from Virginia Baptist Hospital on Manifest No. 0882-052108PE on Receipt No. LLRO8-111.

Please contact me if you have any questions or require additional information. I can be reached at 865-285-3006 or by e-mail at [pseiber@philotechnics.com](mailto:pseiber@philotechnics.com)

Sincerely,




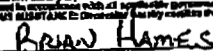
*Philotechnics, Ltd.*

A handwritten signature in cursive script that reads "Patty Seiber".

Patty Seiber  
Brokerage Clerk

ps  
Enclosure

Office of Management and Budget, Washington, DC 20503. If a return used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

|   |  |  |  |   |  |  |  |   |  |
|---|--|--|--|---|--|--|--|---|--|
| <b>NRC FORM 540 (3-99)</b><br><b>U.S. NUCLEAR REGULATORY COMMISSION</b><br><b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>   |  | <b>5. SHIPPER - NAME AND FACILITY</b><br>Pathotronics, Ltd @ Virginia Baptist Hospital<br>3300 Rivermont Avenue<br>Lynchburg, VA 24503 |  | <b>SHIPMENT ID NUMBER</b><br>0882-082108PE<br><input checked="" type="checkbox"/> COLLECTOR<br><input type="checkbox"/> PROCESSOR   |  | <b>7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION</b><br>PAGE 1 OF 1 PAGE(S)<br>1 PAGE(S)<br>1 PAGE(S)<br>NONE PAGE(S)          |  | <b>8. MANIFEST NUMBER</b><br>(Use this number on all continuation pages)<br>0882-082108PE   |  |
| <b>1. EMERGENCY TELEPHONE NUMBER (Include Area Code)</b><br>800-424-6300  |  | <b>USBR PERMIT NUMBER</b><br>0882-052108PE   |  | <b>GENERATOR TYPE (Specify)</b><br>TELEPHONE NUMBER (Include Area Code)<br>(434) 947-4006   |  | <b>9. CONSIGNEE - Name and Facility Address</b><br>Parate-FishNorth WestRichland<br>Operated By Penna-Fin of Florida<br>2025 Battelle Blvd<br>Richland, WA 99354 |  | <b>CONTACT</b><br>Larry Merin<br><b>TELEPHONE NUMBER (Include Area Code)</b><br>(509) 378-1046  |  |
| <b>ORGANIZATION</b><br>CHEMTRIC   |  | <b>CONTACT</b><br>Dana Duffield  |  | <b>EPA ID NUMBER</b><br>MOR000001973  |  | <b>SIGNATURE</b> (Authorized consignee acknowledging receipt)<br>             |  | <b>DATE</b><br>7-23-08  |  |
| <b>2. IS THIS AN "EXCLUSIVE USE" SHIPMENT?</b><br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO  |  | <b>3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST</b><br>1  |  | <b>6. CARRIER - Name and Address</b><br>R & R Trucking<br>302 Thunder Road<br>Duocowag, MO 64841  |  | <b>SHIPPING DATE</b><br>05/21/08   |  | <b>10. CERTIFICATION</b><br>This is to certify that the herein named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and in proper condition for transportation and disposal in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations. |  |
| <b>4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT?</b><br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO<br>If "Yes", provide Manifest Number:  |  | <b>EPA MANIFEST NUMBER</b><br>N/A  |  | <b>CONTACT</b><br>Marico Singularity<br>  |  | <b>TELEPHONE NUMBER (Include Area Code)</b><br>608-252-2784  |  | <b>AUTHORIZED SIGNATURE</b><br>  |  |
| <b>11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information)</b><br>UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7<br>QAW-SOURCE<br>1 - 65 GALLON OP DRUM |  | <b>12. DOT LABEL "RADIOACTIVE"</b><br>WASTE<br>Y-235/238   |  | <b>13. TRANSPORT INDEX</b><br>NA<br>1.5   |  | <b>14. PHYSICAL AND CHEMICAL FORM</b><br>SOLID/METAL OXIDES  |  | <b>15. INDIVIDUAL RADIONUCLIDES</b><br>BA-133; CO-57; CS-137; EU-152  |  |
|   |  |  |  |   |  | <b>16. TOTAL PACKAGE ACTIVITY</b><br>MBq: 0.0175935000<br>mCi: 0.0004755090  |  | <b>17. LABELING CLASS</b><br>NA   |  |
|   |  |  |  |   |  | <b>18. TOTAL WEIGHT OR VOLUME</b><br>(Use appropriate units)<br>11.80 m³<br>150.00000 lb   |  | <b>19. IDENTIFICATION NUMBER OF PACKAGE</b><br>08-008050<br>(CENTRA-2)  |  |
| <b>FOR CONSIGNEE USE ONLY</b>   |  |  |  | <b>20. Generator Certification Statement</b><br>A) I, the undersigned, certify that the foregoing manifest and this manifest of low-level radioactive waste has been prepared in compliance with a certificate with comprehensive program which has been approved by the U.S. Nuclear Regulatory Commission or an Agreement State regulatory agency and with the correct revision of the title in the Agreement State.<br>B) Manifest identifier, 0882-052108PE, is correct.<br>C) Data, quantity, activity, and source information is correct and in accordance with the manifest and the Radioactive Material Inventory records and in accordance with all applicable governmental laws, rules, regulations and the Radioactive Material Inventory records and in accordance with all applicable governmental laws, rules, regulations and the Radioactive Material Inventory records and in accordance with all applicable governmental laws, rules, regulations and the Radioactive Material Inventory records.<br>D) UNIDENTIFIED MATERIALS (UML) are not included in this manifest. |  |  |  |   |  |
|   |  |  |  | <b>SIGNATURE</b><br>Brian James<br>   |  | <b>TITLE</b><br>Logistics Mgr.   |  | <b>DATE</b><br>5/21/08  |  |



# South Carolina Radioactive Waste Transport Permit

Pursuant to Act No. 429 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, a Radioactive Waste Transport Permit is hereby issued to the below-named applicant (shipper). This Permit shall not, in itself, be construed as authorizing a shipper to dispose of radioactive waste within the state of South Carolina. This Permit shall not be transferred, assigned or in any manner disposed of, either voluntarily or involuntarily, directly, or indirectly, through transfer of control to any person, unless the Department shall, after securing full information, find the transfer is in accordance with the provisions of Act No. 429 and shall give written consent.

|   |   |   |
|---|---|---|
| <b>1. Name and Address of Applicant:</b><br><br>Virginia Baptist Hospital<br>3300 Rivermont Ave.<br>Lynchburg, PA 24503 | <b>2. Permit Number:</b> 5545-37-08                 | <b>Type:</b><br><input type="checkbox"/> Non Restricted<br><input checked="" type="checkbox"/> Restricted |
|   | <b>3. Expiration Date:</b><br><br>December 31, 2008 |   |

**Restricted**

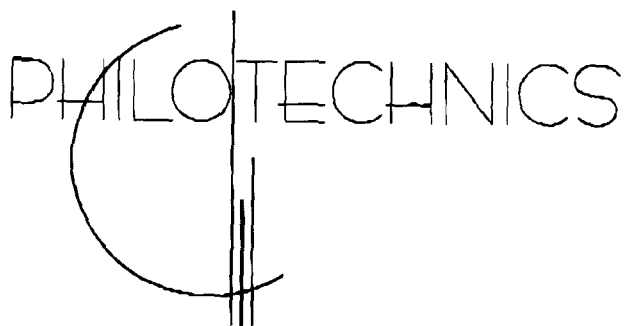
## 2008

Transportation of Waste into or within the State of South Carolina is restricted to the collector/processor services of Philotechnics, Ltd

For the South Carolina Department of Health and Environmental Control

By Susan E. Jenkins  
 Susan E. Jenkins, Manager  
 Infectious and Radioactive Waste Management Section

Date of Issuance June 9, 2008



June 18, 2008

Ms. Dana Duffield  
Physics Department  
Centra Healthcare  
3300 Rivermont Avenue  
Lynchburg, VA 24503

Subject: Certificate of Disposal

Dear Dana:

The attached letter serves as notification that the waste received from Virginia Baptist Hospital on Manifest No. 0882-052108PH, which is referenced on Barnwell Shipment ID Number 13734, has been disposed of at the Barnwell Waste Management Facility. This waste meets all the Barnwell Waste Management Facility criteria for acceptance and was disposed of in accordance with the Barnwell Site's License.

Please contact me if you have any questions or require additional information. I can be reached at 865-285-3006 or by e-mail at [pseiber@philotechnics.com](mailto:pseiber@philotechnics.com)

Sincerely,

*Philotechnics, Ltd.*

*Patty Seiber*  
Patty Seiber  
Brokerage Clerk

ps  
Enclosure



June 12, 2008

ATTN: Don Hartje  
PHILOTECHNICS LTD.  
201 RENOVARE BLVD.  
OAK RIDGE, TN 37830

Reference: Radioactive Waste Shipment - Shipment ID Number 13734

Dear Don Hartje,

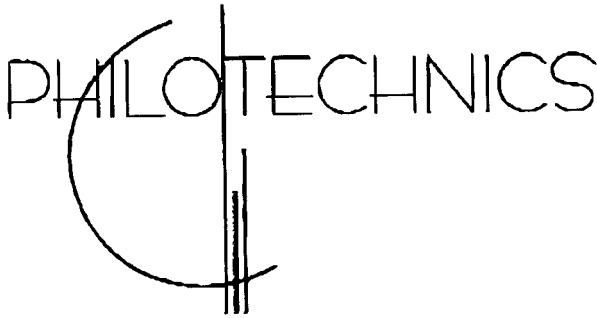
As required by 10 CFR Part 20, South Carolina Title A (3.55.3.4.1), and Barnwell Waste Management Facility Disposal Criteria (S20-AD-010), this letter is notification that the shipment referenced above has been disposed of at the Barnwell Waste Management Facility. This waste meets all the Barnwell Waste Management Facility criteria for acceptance and was disposed of in accordance with the Barnwell Site's License.

If you have any questions regarding this letter, please contact the Prior Notification Plan Department at (803) 541-5017.

Sincerely,

A handwritten signature in black ink, appearing to read "James W. Latham".

James W. Latham  
Vice President, Barnwell Operations



June 10, 2008

Ms. Dana Duffield  
Physics Department  
Centra Healthcare  
3300 Rivermont Avenue  
Lynchburg, VA 24503

**Subject: Shipment Receipt Acknowledgement**

Dear Dana :

In accordance with the requirements of 10 CFR 20, Appendix G, Section III, C.1., the attached signed manifest copy is provided as your notice of receipt and acceptance of the radioactive waste materials specified on the manifest. Manifest No. 0882-052108PH was received at Philotechnics on May 22, 2008.

This letter is acknowledgement of receipt only. Any manifest discrepancies found during unloading or processing will be reported at a later date.

Please contact me if you have any questions or require additional information. I can be reached at 888-RADWASTE or 865-285-3006 (direct), or via email at [pseiber@philotechnics.com](mailto:pseiber@philotechnics.com).

Sincerely,

*Philotechnics, Ltd.*

A handwritten signature in cursive script that reads "Patty Seiber".

Patty Seiber  
Customer Service

ps  
enclosure



Office of Management and Budget, Washington, DC 20503. If a space used to transcribe information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

| NRC FORM 640 (3-95)  |  | U.S. NUCLEAR REGULATORY COMMISSION  |  | SHIPPER - NAME AND FACILITY   |  | SHIPMENT ID NUMBER                                   |  | 7. FORM 640 AND 644 FORM 641 AND 641A FORM 642 AND 642A ADDITIONAL INFORMATION   |  | PAGE 1 OF 1 PAGE(S) 1 PAGE(S) 1 PAGE(S) NONE PAGE(S) |  | 8. MANIFEST NUMBER (Use this number on all continuation pages)   |  |  |  |                                      |  |
|--|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------|--|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER  |  | Photoelectronics, Ltd @ Virginia Baptist Hospital<br>3300 Rivermont Avenue<br>Lynchburg, VA 24503 |  | 0682-053108PH   |  | 0682-053108PH  |  |  |  |  |  | 0682-053108PH  |  |  |  |                                      |  |
| 1. EMERGENCY TELEPHONE NUMBER (Include Area Code)<br>600-424-8300  |  | URSA PERMIT NUMBER  |  | SHIPMENT NUMBER<br>0682-053108PH  |  | X COLLECTOR<br>PROCESSOR                             |  | 2. CONSIGNEE - Name and Facility Address<br>Photoelectronics, Ltd.<br>Operated By Photoelectronics, Ltd<br>201 Rosemore Blvd.<br>Oak Ridge, TN 37830 |  | CONTACT<br>Darrell K. Jarvis                         |  | TELEPHONE NUMBER (Include Area Code)<br>(865) 483-0251   |  |  |  |                                      |  |
| ORGANIZATION<br>CHENTREC   |  | CONTACT<br>Dana Duffield  |  | TELEPHONE NUMBER (Include Area Code)<br>(434) 947-4000  |  | EPA I.D. NUMBER<br>MON000501573                      |  | SIGNATURE - Authorized consignee acknowledging waste receipt<br><i>D. Jarvis</i>   |  | DATE<br>5/21/05                                      |  | 19. CERTIFICATION<br>This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and in proper condition for transportation and disposal in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations. |  |  |  |                                      |  |
| 2. IS THIS AN "EXCLUSIVE USE" SHIPMENT?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO  |  | 3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST<br>1                                      |  | 6. CARRIER - Name and Address<br>R & R Trucking<br>302 Thunder Road<br>Duanesburg, MO 64841   |  | TRUCK #<br>Trailer #:                                |  | SHIPPING DATE<br>05/21/05  |  | AUTHORIZED SIGNATURE<br><i>D. Jarvis</i>             |  | TITLE<br>Logistics Mgr.  |  |  |  |                                      |  |
| 4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO<br>If "Yes", provide Manifest Number |  | EPA MANIFEST NUMBER<br>NA   |  | CONTACT<br>Morton Gingleary   |  | TELEPHONE NUMBER (Include Area Code)<br>608-262-2784 |  | DATE<br>5/21/05  |  | DATE<br>5/21/05                                      |  |  |  |  |  |                                      |  |
| 11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information)   |  | 12. DOT LABEL "RADIOACTIVE"   |  | 13. TRANSPORT INDEX   |  | 14. PHYSICAL AND CHEMICAL FORM                       |  | 15. INDIVIDUAL RADIOISOTOPES   |  | 16. TOTAL PACKAGE ACTIVITY MBq mCi                   |  | 17. LEGACY CLASS   |  | 18. TOTAL WEIGHT OR VOLUME (Use appropriate units) |  | 19. IDENTIFICATION NUMBER OF PACKAGE |  |
| UR235, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 SOURCES/ENCAPSULATE<br>5-30 GAL DRUM  |  | Yellow II   |  | 7.0   |  | SOLIDMETAL OXIDES                                    |  | CS-137   |  | 17532.4450000 / 462.12000000                         |  | NA   |  | 4.10 m <sup>3</sup><br>190.0000 lb                 |  | 08-008049<br>(CENTRA-1)              |  |
| FOR CONSIGNEE USE ONLY   |  |   |  | 20. Generator Certificate Statement<br>I, the undersigned, certify that this statement of inventory of low-level radioactive waste has been prepared in accordance with the requirements of 10 CFR 61.154 and that the waste has been properly packaged and labeled in accordance with the requirements of 10 CFR 61.154 and that the waste has been transported in accordance with the requirements of 10 CFR 61.154 and that the waste has been disposed of in accordance with the requirements of 10 CFR 61.154.   |  |  |  |  |  |  |  |  |  |  |  |                                      |  |
|  |  |   |  | 20. Generator Certificate Statement<br>I, the undersigned, certify that this statement of inventory of low-level radioactive waste has been prepared in accordance with the requirements of 10 CFR 61.154 and that the waste has been properly packaged and labeled in accordance with the requirements of 10 CFR 61.154 and that the waste has been transported in accordance with the requirements of 10 CFR 61.154 and that the waste has been disposed of in accordance with the requirements of 10 CFR 61.154.<br>BRIAN JAMES<br>Signature: <i>Brian James</i> Date: 5/21/05 |  |  |  |  |  |  |  |  |  |  |  |                                      |  |

Modified Date: 05/20/2008 09:38

NRC Form 640 (6-2004)

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|   |  |   |  |  |  |   |  |  |  |
|---|--|---|--|--|--|---|--|--|--|
| <b>NRC FORM 540 (3-95)</b><br><b>U.S. NUCLEAR REGULATORY COMMISSION</b><br><b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>   |  | <b>5. SHIPPER - NAME AND FACILITY</b><br>Phibotech, Ltd @ Virginia Baptist Hospital<br>3300 Rivermont Avenue<br>Lynchburg, VA 24503 |  | <b>SHIPMENT ID NUMBER</b><br>0882-052108PH   |  | <b>7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION</b><br>PAGE 1 OF 1 PAGE(S)<br>1 PAGE(S)<br>1 PAGE(S)<br>NONE PAGE(S) |  | <b>8. MANIFEST NUMBER</b><br>(Use this number on all continuation pages)<br>0882-052108PH  |  |
| <b>1. EMERGENCY TELEPHONE NUMBER (include Area Code)</b><br>800-424-9300  |  | <b>USER PERMIT NUMBER</b><br>_____  |  | <b>SHIPMENT NUMBER</b><br>0882-052108PH  |  | <b>9. CONSIGNEE - Name and Facility Address</b><br>Phibotech, Ltd.<br>Operated By Phibotech, Ltd<br>201 Renovare Blvd.<br>Oak Ridge, TN 37830           |  | <b>CONTACT</b><br>Darrell K. Jenell<br><b>TELEPHONE NUMBER (include Area Code)</b><br>(865) 483-0551   |  |
| <b>ORGANIZATION</b><br>CHEMTREC   |  | <b>CONTACT</b><br>Dana Duffield   |  | <b>GENERATOR TYPE (Specify)</b><br>_____   |  | <b>TELEPHONE NUMBER (include Area Code)</b><br>(434) 947-4006   |  | <b>SIGNATURE - Authorized consignee acknowledging waste receipt</b><br><i>Darrell K. Jenell</i>  |  |
| <b>2. IS THIS AN "EXCLUSIVE USE" SHIPMENT?</b><br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO  |  | <b>3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST</b><br>_____   |  | <b>6. CARRIER - Name and Address</b><br>R & R Trucking<br>302 Thunder Road<br>Duessweg, MD 64841 |  | <b>TRUCK #:</b><br>_____  |  | <b>TRAILER #:</b><br>_____   |  |
| <b>4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT?</b><br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO<br>If "Yes", provide Manifest Number _____   |  | <b>EPA MANIFEST NUMBER</b><br>N/A   |  | <b>8. CARRIER - Name and Address</b><br>R & R Trucking<br>302 Thunder Road<br>Duessweg, MD 64841 |  | <b>EPA I.D. NUMBER</b><br>MOR000501973  |  | <b>SHIPPING DATE</b><br>05/21/2008   |  |
| <b>11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information)</b><br>UN2915, RADIOACTIVE MATERIAL, TYPE A PACKAGE, 7 SOURCES/ENCAPSULATE<br>1 - 30 GAL DRUM   |  | <b>12. DOT LABEL "RADIOACTIVE"</b><br>Yellow II   |  | <b>13. TRANSPORT INDEX</b><br>4.8  |  | <b>14. PHYSICAL AND CHEMICAL FORM</b><br>SOLID/METAL OXIDES   |  | <b>15. INDIVIDUAL RADIONUCLIDES</b><br>CS-137  |  |
| <b>16. TOTAL PACKAGE ACTIVITY</b><br>MBq mCi<br>17838.4400000/482.12000000  |  | <b>17. LSA/SCO CLASS</b><br>NA  |  | <b>18. TOTAL WEIGHT OR VOLUME (Use appropriate units)</b><br>4.10 R <sup>3</sup><br>150.00000 lb |  | <b>19. IDENTIFICATION NUMBER OF PACKAGE</b><br>08-006049 (CENTRA-1)   |  | <b>10. CERTIFICATION</b><br>This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and in proper condition for transportation and disposal in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulation. |  |
| <b>FOR CONSIGNEE USE ONLY</b>   |  | <b>SIGNATURE - Authorized carrier acknowledging waste receipt</b><br><i>Dana Duffield</i>   |  | <b>DATE</b><br>5/21/08   |  | <b>AUTHORIZED SIGNATURE</b><br><i>Darrell K. Jenell</i>   |  | <b>TITLE</b><br>Logistics Mgr  |  |
| <b>20. Generator Certification Statement</b><br>A) Radioactive Materials: Certificates to hereby state that the shipment of low-level radioactive waste has been prepared in accordance with a radioactive waste management program which has been approved by the Nuclear Regulatory Commission or an Agreement State regulatory agency and with the current revision of the site Medical Acceptance Criteria.<br>B) Hazardous Materials: Generator hereby certifies that the material does not constitute a hazardous waste as defined by 40 CFR 261.<br>C) Date: Generator hereby represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE) MANIFEST are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and the Radioactive Material License.<br>D) DEFECTIVE SUBSTANCE: Generator hereby certifies that this material does not contain an infectious substance as defined in 49 CFR 173.434 |  | <b>SIGNATURE</b><br><i>Brian James</i>  |  | <b>DATE</b><br>5/21/08   |  | <b>SIGNATURE</b><br><i>Ron [Signature]</i>  |  | <b>DATE</b><br>5/21/08   |  |

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