

SAINT JOSEPH'S UNIVERSITY

June 20, 2005

DEPARTMENT OF BIOLOGY



USNRC
Region 1
475 Allendale Road
King of Prussia, PA 19406

K-4
MS-16

Re: License # SNM-343 07000374

In a letter dated May 12, 2005, I supplied you with the following documentation concerning disposal of Plutonium 239, sealed neutron sources listed on License # SNM-343, and they are no longer in our possession:

1. ATRC # 2003:11 Authorization to Transfer/Relinquishment of Custody
2. Letter dated June 30, 2004 confirming removal of radioactive sources listed on ATRC #2003-11
3. NRC 741 Nuclear Material Transaction Report
4. Authorization to Ship Nuclear Material to the Nevada Test Site

I now enclose further documentation for the disposal of the Plutonium 239 plated alpha sources listed on License # SNM-343. These were disposed of in 1999 with other materials listed on a separate license. I have highlighted the materials apropos to License # SNM-343.

1. Letter to USEcology NMMC Brokerage Services with inventory including the Plutonium 239 alpha sources; and a Customer Service questionnaire to USEcology indicating the sources to be disposed of in March, 1999.
2. NRC Form 540 and 541 indicating material shipped on March 22, 1999 by USEcology.
3. Letter from USEcology indicating receipt of the shipment.

Please decommission this license since these materials are no longer in our possession.
Thank you.

Sincerely,

John J. Tudor, Ph.D.
Professor of Biology
RSO for License # SNM-343

Enclosures

RECEIVED
REGION 1

2005 JUN 23 PM 1:20

137061

NMSS/RGNI MATERIALS-002

PHILADELPHIA'S JESUIT UNIVERSITY

SAINT JOSEPH'S

Philadelphia's Jesuit University

DEPARTMENT OF BIOLOGY

September 17, 1998

TO: Annette Leach

SUBJECT: USE Proposal No.FS-0147

I understand that the sealed sources on site may be disposed with a special variance at Barnwell, S.C.

Inventory as of 9/17/98

<u>Source</u>	<u>Activity</u>	<u>Volume</u>	<u>Total No.</u>
Thorium	< 0.05u Ci	1 cc	2
Polonium 210	< 1 n Ci	1 cc	2
Polonium 210	< 1 n Ci	1.5 cc	1
Plutonium 239	< 0.0075u Ci	5 cc	4

I appreciate your help in this matter.

Sincerely,



John C. Ramsey

APPENDIX E

Customer Service Questionnaire

In order that we may assist you as completely and efficiently as possible with your radiological shipment, we ask that you take a few moments to complete this questionnaire. Please call Christie Amos with Brokerage Services at (800) 888-8859 x285 if you have any questions concerning your shipment.

Section I (Administrative Information)

Shipper's Name: Saint Joseph's University

Pick up Month: March, 1999

Shipper's Mailing Address: 5600 City Avenue
Biology Department
Philadelphia, PA 19131

Pick-up Address: _____
 (If Different) _____

Contact Person: John Tudor
 Phone Number: (610) 660-1820

24 hour Emergency Phone #: (610) 660-1111

Shipper's EPA ID #: _____

South Carolina Permit #: _____

Section II (Waste Information)

Give as detailed a description of the waste as possible, using the following table. Please indicate all appropriate units.

Drum #	Drum Volume	Drum Weight (lbs)	Radionuclide(s) (Identify Each)	Activity (for each)	Highest Surface Dose Rate	Highest 1 meter Dose Rate	Stabilization Media	Hazardous Waste Codes	Contents (i.e., Compatible Trash, Incinerables, Sources, LSVs, etc.)	Preferred Process/Disposal Option (i.e., Barnwell, E. Caec. Permafrost, NSSI, Compaction, Thermal, etc.)
			Thorium	<0.05uCi					2 sources 1cc	Barnwell
			Polonium 210	<1 nCi					2 sources 1cc	Barnwell
			Polonium 210	<1 nCi					1 source 1.5cc	Barnwell
			Plutonium							
			239	<1,0075uCi					4 sources 5cc	Barnwell

NRC FORM 641 (5-1998) UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste	1. MANIFEST TOTALS							2. MANIFEST NUMBER	
	NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME (m3)	NET WASTE WEIGHT (kg)	SPECIAL NUCLEAR MATERIAL (grams)				99031	3. PAGE <u>1</u> OF <u>1</u> PAGE(S)
				U-233	U-235	Pu	TOTAL		
	1	0.0000255	5.448	NP	NP	1.61E-07	1.61E-07	4. SHIPPER NAME US Ecology	
	ACTIVITY (MBq)						SOURCE		
	ALL NUCLIDES		TRITIUM	C-14	Tc-99	I-129	(kg)		
4.18E-03		NP	NP	NP	NP	4.55E-01	SHIPPER ID NUMBER		

DISPOSAL CONTAINER DESCRIPTION														18. WASTE CLASS
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1)	7. VOLUME (m3)	8. WASTE AND CONTAINER WEIGHT (kg)	9. SURFACE RADIATION LEVEL ___ uSv/hr _X_ mSv/hr	10. SURFACE CONTAMINATION MBq/100 cm2		11. PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION		
					ALPHA	BETA- GAMMA	11. WASTE DESCRIPTOR (See Note 2)	12. Approximate WASTE VOLUME(S) IN CONTAINER (m3)	13. SORBENT SOLIDIFICATION STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM / CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL: OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT		
1	4	0.002	5.448	<005	<3.34e-7	<1.67e-5	36 Sealed Source	0.000026	100	Oxide / NA	NA	Po-210 Pu-239 Th-nat TOTAL:	1.11E-04 3.70E-04 3.70E-03 4.18E-03	

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 2. Metal Box 3. Plastic Drum or Pail 4. Metal Drum or Pail 5. Metal Tank or Liner 6. Concrete Tank or Liner 7. Polyethylene Tank or Liner 8. Fiberglass Tank or Liner 9. Demineralizer 10. Gas Cylinder 11. Bulk, Unpackaged Waste 12. Unpackaged Components 13. High Integrity Container 14. Other, describe in Item 6, or additional page	NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.) 20. Charcoal 21. Incinerator Ash 22. Soil 23. Gas 24. Oil 25. Aqueous Liquid 26. Filter Media 27. Mechanical Filter 28. EPA or State 29. Demolition Rubble 30. Carbon Ion Exchange Media 31. Anion Ion Exchange Media 32. Mixed Bed Ion Exchange Media 33. Contaminated Equipment 34. Organic Liquid (Except Oil) 35. Glassware or Labware 36. Sealed Source/Device 37. Paint or Plating 38. Evaporator Bottoms/Sludges/ Concentrates 39. Compressible Trash 40. Noncompressible Trash 41. Animal Carcass 42. Biological Material (Except Animal Carcass) 43. Activated Material 44. Other, Describe in Item 11, or Additional Page	NOTE 3: For solidification media that meet disposal site structural stability requirements, the numerical code must be followed by "S." For all solidification media, the vendor (manufacturer) and brand name must also be identified in Item 13. Code 100 = NONE REQUIRED <table style="width:100%;"> <tr> <td style="width:33%;"> Sorption 90. Speed Dri 91. Calsol 92. Floor Dry/ Superline 93. Hi Dri 94. Safe-T-Sorb 95. Safe-N-Dri </td> <td style="width:33%;"> 96. Florco 97. Florco X 98. Solid-A-Sorb 99. Chemall 30 100. Chemall 50 101. Chemall 3030 102. Dicovert HP200 </td> <td style="width:33%;"> 73. Dicovert HP500 74. Petroset 75. Petroset II 76. Aquaset 77. Aquaset II 80. Other, Describe in Item 13, or additional page </td> </tr> </table>	Sorption 90. Speed Dri 91. Calsol 92. Floor Dry/ Superline 93. Hi Dri 94. Safe-T-Sorb 95. Safe-N-Dri	96. Florco 97. Florco X 98. Solid-A-Sorb 99. Chemall 30 100. Chemall 50 101. Chemall 3030 102. Dicovert HP200	73. Dicovert HP500 74. Petroset 75. Petroset II 76. Aquaset 77. Aquaset II 80. Other, Describe in Item 13, or additional page
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US Ecology Nuclear Materials Management Center
109 Flint Road
Oak Ridge, Tennessee 37830-7033
423-482-5532 Fax: 423-482-5605
800-567-2372

US Ecology Nuclear Equipment Service Center
120 Franklin Road
Oak Ridge, TN 37830-7033
423-220-5306
Fax: 423-220-5365
800-567-2372

American Ecology Recycle Center, Inc.

April 12, 1999

Mr. John Tudor
St. Joseph's University
5600 City Ave.
Philadelphia, PA 19131

Subject: Shipment Receipt Acknowledgment

Dear Mr. Tudor,

US Ecology wishes to inform you that the radioactive waste materials specified on the attached shipping manifest copy were received and accepted by the American Ecology Recycle Center on March 31, 1999.

This is acknowledgment of receipt only, as required in 10 CFR 20, Appendix F, Section III, C.1. Should any discrepancies be found, you will be notified at a later date.

Please contact me at (800) 888-8859 x285 if you have any questions.

Sincerely,



Christie Amos
Customer Service

sa
Attachments
cc: File