

HURLEY MEDICAL CENTER
NUCLEAR MEDICINE DEPARTMENT
FAX TRANSMISSION FORM

PHONE: 257-9194

FAX: 762-7178

TO: Toye Simmons, NRC

CONTACT PHONE: _____

CONTACT FAX: 430-515-1078

FROM: Hayla Southwell

COMMENTS: This is the manifest.
Hopefully it is what you
Need.

IF NOT, please call me 810 257-9065.
Thank you!!

DATE: 10-11-07 TIME: 1030-am

NUMBER OF PAGES TO FOLLOW: 3

CONFIDENTIALITY NOTICE: THE DOCUMENTS ACCOMPANYING THIS TRANSMISSION CONTAIN CONFIDENTIAL INFORMATION BELONGING TO THE SENDER, WHICH IS LEGALLY PRIVILEGED. THIS INFORMATION IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISCLOSURE, COPYING, DISTRIBUTION, OR THE TAKING OF ANY ACTION IN RELIANCE ON THE CONTENTS OF THIS INFORMATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS INFORMATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US IN ORDER TO ARRANGE FOR RETURN OF THE DOCUMENTS TO US.

07-C-66 B9

OCT-11-2007 (THU) 08:59

FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		ADCO SERVICES, INC.		5. SHIPPER - Name and Facility GENESIS HURLEY CANCER FOR THE ACCOUNT OF ADCO SERVICES, INC. 302 KENSINGTON FLINT, MI 48903		SHIPMENT ID. NUMBER 61322		7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION		PAGE 1 OF 1 PAGE(S) 2 PAGE(S) None PAGE(S)		8. MANIFEST NUMBER (Use file number on all continuation pages) 07-0066 B9			
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 810-472-8000		DC PERMIT NA		SHIPMENT NUMBER 07-0067 B9		<input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR <input type="checkbox"/> GENERATOR TYPE (Specify) M		9. CONSIGNEE - Name and Facility Address ADCO SERVICES, INC. 17850 DUVAN DRIVE TINLEY PARK, IL 60477		CONTACT LEN WARBIAŃY/FACILITY MGR. TELEPHONE NUMBER (Include Area Code) 708-429-1660					
ORGANIZATION GENESIS HURLEY CANCER INSTITUTE		CONTACT DEL ABDULHEY		TELEPHONE NUMBER (Include Area Code) 313-472-4600		DATE 3/15/07		12. CERTIFICATION 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. The shipper certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.		SIGNATURE - Authorized consignee acknowledging waste receipt <i>[Signature]</i>					
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 5		6. CARRIER - Name and Address ADCOM EXPRESS, INC. 17850 DUVAN DRIVE TINLEY PARK, IL 60477		EPA ID. NUMBER IL0147267364		DATE 3/13/07		SIGNATURE - Authorized carrier acknowledging waste receipt <i>[Signature]</i>		DATE 3/15/07			
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number #333333		EPA MANIFEST NUMBER NONE REQUIRED		CONTACT BOB BASSETT		TELEPHONE NUMBER (Include Area Code) 708-429-3013		DATE 3/13/07		INITIALIZED SIGNATURE <i>[Signature]</i>		TITLE Chief Medical Physicist			
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. IDENTIFICATION NUMBER OF PACKAGE	
UN 2915, Radioactive material, Type A Package, 7		-NA-		-NA-		Solid SEALED SOURCES		Cs-137		1.9962E+04 5.3950E+02		NA		07-0066-01 LBS; 1.4 FT3 11.7 lbs.	
UN 2915, Radioactive material, Type A Package, 7		-NA-		-NA-		Solid SEALED SOURCES		Sr-90		7.4000E+02 2.6000E+01		NA		07-0066-02 LBS; 1.4 FT3 21 lbs.	
UN 2915, Radioactive material, Type A Package, 7		-NA-		-NA-		Solid SEALED SOURCES		Ba-133 Co-57 Cs-137 Gd-153		6.7724E+02 1.0196E+01		NA		07-0066-03 LBS; 1.4 FT3 23 lbs.	
UN 2912, Radioactive material, low specific activity, (LSA I) n.o.s., 7		-NA-		-NA-		Solid SEALED SOURCE		Co-57		0.7000E+02 1.6000E+01		LSA-I		07-0066-04 LBS; 2 FT3 50 lbs.	
UN 2912, Radioactive material, low specific activity, (LSA I) n.o.s., 7		-NA-		-NA-		Solid SEALED SOURCE		Co-57		0.7000E+02 1.6000E+01		LSA-I		07-0066-05 LBS; 2 FT3 50 lbs.	
FOR CONSIGNEE USE ONLY <i>[Signature]</i> Len Warbiany Nuclear Medicine Supervisor				20. Check appropriate items: <input type="checkbox"/> Customer representative certifies that all data set forth in this Uniform Low-Level Radioactive Manifest is true and correct in all respects. <input type="checkbox"/> Packages listed as "Limited Quantity of Radioactive Material" on this manifest conform to the conditions and standards specified in 49 CFR 173.221 for radioactive material, excepted package (limited quantity of material) UN2910. <input type="checkbox"/> Packages listed as "NON-REGULATED MATERIAL" on this manifest are classified in accordance with 49 CFR 173.403 (Definition of Radioactive Material). These materials must still be disposed of at a licensed facility.											

FORM 540 (10-95)

Control # 314560

P. 002/004

FORM 541 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste	ADGO SERVICES, INC.	NUMBER OF PACKAGES/DISPOSAL CONTAINERS 5	NET WASTE VOLUME m3 0.2320	NET WASTE WEIGHT kg 58.6990	1. MANIFEST TOTALS SPECIAL NUCLEAR MATERIAL (SNM)				2. MANIFEST NUMBER 07-0068 BS
	U-233 NP		U-235 NP	Pu NP	TOTAL NP				
	ACTIVITY					SOURCE		4. SHIPPER NAME GENESYS HURLEY CANCER CF	
	ALL NUCLIDES 2.111E+04	TRITIUM NP	C-14 NP	Tc-99 NP	I-127 NP	(kgs) NA	SHIPMENT ID NUMBER 61322		
	mCi 8.9470E+02	NP	NP	NP	NP	(lbs) NA			

6. CONTAINER IDENTIFICATION NUMBER / SC PERMIT	7. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	8. VOLUME (m3)	9. WASTE AND CONTAINER WEIGHT (kg)	10. SURFACE RADIATION LEVEL (mR/hr)	11. SURFACE CONTAMINATION (dpm/100 cm ²)		12. WASTE DESCRIPTION (See Note 2 & Note 2A)	13. PHYSICAL DESCRIPTION		14. CHEMICAL DESCRIPTION	15. RADIOLOGICAL DESCRIPTION	16. WASTE CLASSIFICATION (See Class A, B, C)	
					ALPHA	BETA-GAMMA		12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (LTS)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A)				
					INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT								
07-0108-01-NA 1 HURLEY PLAZA FLINT, MI 48933	4	0.0386	11.3398	1.9	NP	NP	36-H	0.0386	100	SEALED SOURCE/BNP	Cs-137 1.9962E+04 Subtotal 1.9962E+04 Total 1.9962E+04	6.3950E+02 5.3950E+02 5.3950E+02	AU
		1.4000	28.0000	190.0	NP	NP		1.4000					
07-0108-02-NA 1 HURLEY PLAZA FLINT, MI 48933	4	0.0386	11.3398	0.01	NP	NP	36-H	0.0386	100	SEALED SOURCE/BNP	Sr-90 3.7000E+02 Sr-90 3.7000E+01 Subtotal 7.4000E+02 Total 7.4000E+02	1.0000E+01 1.0000E+00 2.0000E+01	AU
		1.4000	28.0000	1.0	NP	NP		1.4000					
07-0018-03-NA 1 HURLEY PLAZA FLINT, MI 48933	4	0.0386	11.3398	0.01	NP	NP	36-H	0.0386	100	SEALED SOURCE/BNP	Ba-133 Co-57 Cs-137 Cs-137 1.0471E+01 2.0350E+02 3.7000E+01 2.3400E+02 2.3120E+03 Subtotal 3.7724E+02 Total 3.7724E+02	2.8300E-01 5.5000E+00 1.0000E-02 8.0000E-04 7.5000E-04	AU
		1.4000	28.0000	1	NP	NP		1.4000					

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	8. Drum/wrapper
2. Metal Box	10. Gas Cylinder
3. Plastic Drum or Pail	11. BJA, Unpackaged Waste
4. Metal Drum or Pail	12. Unpackaged Components
5. Metal Tank or Uner	13. High Integrity Container
6. Concrete Tank or Uner	19. Other. Describe in Item 6, or additional page.
7. Polyethylene Tank or Uner	
8. Fiberglass Tank or Uner	

Note 1A: Barwell Specific Container Description Codes. (Choose one code as may be applicable.)

A. High Integrity Container - Poly
B. High Integrity Container - Poly with Steel Shell
C. High Integrity Drum Overpack - Poly
D. High Integrity Container - Stainless Steel
E. High Integrity Container - Fiberglass
F. Uner - Steel

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

20. Decont.	23. Demolition Rubble	36. Separator Bottoms/Surplus Concentrates
21. Industrial Ash	30. Cation Ion-exchange Media	37. Noncompactible Trash
22. Soil	31. Anion Ion-exchange Media	40. Animal Carcass
23. Gas	32. Mixed Bed Ion-exchange Media	42. Biological Material (except animal carcasses)
24. CF	33. Contaminated Equipment	43. Activated Material
25. Aqueous Liquid	34. Organic Liquid (except oil)	44. Other. Describe in Item 11, or additional page
26. Filter Media	35. Gaseous or Latent	
27. Mechanical Filter	36. Sealed Source/Device	
28. EPA or State Hazardous	37. Paint or Plating	

Note 2A: Barwell Specific Waste Descriptor Codes. (Choose all applicable codes.)

O. Depleted
H. Solid
I. Combustible
J. Non-combustible
K. Air Filtration Filters
L. Adhesion

Note 3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting structural stability requirements, the numerical code must be followed by "S" and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

90. Cement	94. Vinyl Ester Resins
91. Concrete (except in Item 13, or additional page)	96. Other. Describe in Item 13, or additional page
92. Bitumen	100. None Required.
93. Vinyl Chloride	

Note 3A: Barwell Specific Solidification and Stabilization Media Codes. (Choose this code if applicable.)

M. Wax Binder

FORM 541 (10-99)

Control # 316560

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

ADCO SERVICES, INC.

2. MANIFEST NUMBER
07-0066 BS

3. PAGE 2 OF 2 PAGE(S)

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

DISPOSAL CONTAINER DESCRIPTION			CONTAINER AND WASTE DESCRIPTION (CONTINUATION)				WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER							16. WASTE CLASSIFICATION AS Class A, B, or C or Class 1, 2, or 3		
5. CONTAINER IDENTIFICATION NUMBER / SC PERMIT	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m ³) (2)	8. WASTE AND CONTAINER WEIGHT (kg) (LB)	9. SURFACE RADIATION LEVEL (mSv/hr) (R/hr)	10. SURFACE CONTAMINATION (dpm/100 cm ²) (dpm/100 cm ²)		11. WASTE DESCRIPTION (See Note 2 & Note 2A)	12. PHYSICAL DESCRIPTION		13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A)	14. CHEMICAL FORM OR CHELATING AGENT	15. WEIGHT % CHELATING AGENT ≥ 0.1%	13. RADIOLOGICAL DESCRIPTION			
					ALPHA	BETA-GAMMA		INDIVIDUAL RADIONUCLIDES AND ACTIVITY (Bq) AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT	RADIONUCLIDES							
													Mg		mCi	
07-0066-000-A 1 MURLEY PLAZA FLINT, MI 41503	1	0.0566	11.3300	0.02	NP	NP	30-H		100	SEALED SOURCE/SP	0.00	Co-67	3.7000E+02	1.0000E+01	AU	
		2.0000	21.0000	0.02	NP	NP							Subtotal	3.7000E+02		1.0000E+01
Total													3.7000E+02	1.0000E+01		
07-0066-000-A 4 MURLEY PLAZA FLINT, MI 41503	1	0.0566	11.3300	0.02	NP	NP	30-H		100	SEALED SOURCE/SP	0.00	Co-67	3.7000E+02	1.0000E+01	AU	
		2.0000	21.0000	0.02	NP	NP							Subtotal	3.7000E+02		1.0000E+01
Total													3.7000E+02	1.0000E+01		
Shipment Total			0.2720	46.6600										2.1810E+04	5.6970E+02	
			0.2100	125.0000												

Control # 316560