## Waterbury Hospital Health Center

# Memo

K-8 MS-16

To:

Ms. Sandy Gabriel, U.S.N.R.C.

From:

G. J. Randall

Date:

06/07/2005

Re:

Lic # 06-02406-01, Control # 137038

03001251

Per request, here is the information pertaining to the disposal of our Cs-137 and S-90 brachytherapy sources through ADCO Services for Barriwell, South Carolina. As Shown on the shipping manifest, the sources were transferred to ADCO on 9/25/02, and ADCO NRC License Number is 12-11186-01 as listed on the attached brochure. I've also enclosed a copy of our South Carolina Radioactive Waste Transport Permit # 4826-06-02. Please let me know if you need additional information.

Regards

Jerry Randall

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# 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.

#### 1. Name and Address of Applicant:

Waterbury Hospital Health Center 64 Robbins St. Waterbury, CT 06721

. 2.	<del> </del>	4826-06-02	Type
	[ ] Non Restricted		[ ] X
	[X] Restricted		[X] Y
			[ ] Z

#### 3. Expiration Date:

December 31, 2002

Restricted

2002

Transportation of Waste into or within the State of South Carolina is restricted to the collector/processor services of <u>ADCO Services</u>.

For the South Carolina Department of Health and Environmental Control

Rv

Henry J. Porter, Assistant Director Division of Waste Management

Date of Issuance October 23, 2002

~ 0801 (08/2000)

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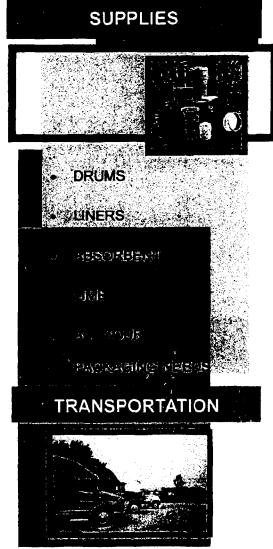
# BARNWELL

02.0450 S

FORM 540 UNIFORM LOW-LE		CO SERVICES, INC.	WATERBUR	R - NAME AND FACILITY Y HOSPITAL HEALTH CENTER	R/FOR THE A	CCOUNT OF	SHIPM	ENTID HIMBER 60641	7. FORM 540 AND 540			B. MANIFEST NU (Use this numb	MRER er on all continuation		
	MANIFEST	<del>-</del>	ADCO SERVI	STREET	-			COLLECTOR	FORM 541 AND 541 FORM 542 AND 542	ZA.	1 PAGE(S) None PAGE(S) None PAGE(S)	pages)			
	WATERBURY, CT 06721					PROCESSOR	ADDITIONAL INFOR		02-0450 5						
	PING PAPER		SC PERMIT NA		92-0450 3	T NUMBER	ı	GENERATOR TYPE (Specify)	Į.			LEN WARBIAN	Y/FACILITY MGR		
EMERGENCY TELEPHONE NUMBER   Inchi 860-678-9082	de Area Code)		CONTACT		<u> </u>			HONE NUMBER	ADCO SERVIC	ES, INC. DRIVE		TELEPHONE NUME	ER (Include Area Code)		
ORGANEATION			GERALD.	J. RANDALL				e Area Code) 678-9862	TINLEY PARK	IL 604771		800-282-2326			
WATERBURY HOSPITAL HEALTH CE				R Name and Address				D. NUMBER	SIGNATURE - Author	ised consignee actinovia	edging waste receipt	DATE	·		
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? J. TOTAL NUMBER OF PACKAGES DENTIFIED			ADCOM EXPRESS, INC. 17650 DUVAN DRIVE					7267364 ING DATE							
NO NO	X YES ON THIS MANIFEST 1				TINLEY PARK, IL 60477					10. CERTIFICATION  This is to codify that the becomes reported are considered and labeled					
4. DOES EPA REGULATED WASTE REDUIRING A MANIFEST ACCOMPANY X NO	EPA MANIFEST JUMBER		CONTACT BOB	BASSETT			" CLEFT CONDER		This is to cartify that the herein-named meterials are properly classified, described, packaged, marked, and in proper condition for transportation seconding to the applicable regulations of the Department of Transport cortiles that the materials are classified, packaged, marked, and labeled and are improper condition for disposal se described in accordance with the requirements of 16 CFR Paris 20 and 61, or equivalent state:						
THIS SHIPMENT? If "Yes," provide Manifest Number =====>	NONE REQUIRED		SIGNATURE	- Authorized saurier actinowled	rier actinowledging waste receipt		DATE	/ /	AUTHORIZED SIGNATURE		TITLE		DATE /		
			de	2 Lhimson			9/25/02		751Va	dall	R20		9/25/02		
<ol> <li>U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UNIO rlumber, and any additional information</li> </ol>		12. DOT LABEL "RADIOACTIVE"	13. C TRANSPORT INDEX	PHYSICAL AND CHEMICAL FORM			15. INDMIDUAL RADIONUCLIDES		TOTAL PACKAGE ACTIVITY MBq rici		17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE		
Radioactive material, n.o.s., 7, UN2982		YELLOWIL	1 .4	Solid SEALED SOU	RCE C	S-137 /	193	,	1.2300E+04	3.3243E+02	NA	25. LBS; 1.4 FT3	02-0450-01		
Radioactive material, n.o.s., 7, UN298	2	YELLOWIT	1.0	Solid SEALED SOU	RCES C	Cs-137			9.6248E+03	2.6013E+02	NA	25. LBS; 1.4 FT3	02-0450-02		
Radioactive material, n o.s., 7, UN298	2	YELLOWIT	1.4	Solid SEALED SOU		km-241 B 3r-90	a-133	Co-57 Cs-	137 3.1171E+03	8.4245E+01	NA NA	25. LBS; 1.4 FT3	02-0450-93		
	-							·							
												l			
	,														
FOR CONSIGNEE USE ONLY				ì	ck appropriate										
					Customer n	epresents and	warramt	that all data set forth	in this Uniform Low-Level I	Radioactive Marviert is t	rue and correct in all re	espects.			
				exec	Packages & cpled pockage	isted as "Limit -limited quanti	ed Quant by of meli	lly of Radioactive Male rial UN 2910.	rial" on this menifost confo	rm to the conditions and	l limitations specified in	49 CFR 173.421 for radio	active material,		
					be disposed di Adco Servic	fat a Hoensec ices, Inc. reser	facility. /es the ri		nis manifest are classified and sample the contents of ial.						
FORM 540 (10-96)															

FORM \$41 (10-96)

ORM 541	INC. NUMBE	1. MANIFEST TOTALS  NUMBER OF SPECIAL NUCLEAR MATERIAL (grame)									2. MANIFEST NUMBER						
UNIFORM LOW-LEVEL RADIOACTIVE					PACKA DISPO	IGES/ NE	VOLUME NET W		Ų- <b>2</b> 33	U 23	5 Pu		TOTAL		02-0450 S 3. PAGE 1 OF 1 PAGE(S)		
WASTE MANIFEST						3 m3	0.1188 4.2000		BO NP	N	IP N	NP		NP	4. SHIPPER NAME WATERBURY HOSPITAL HE		
	CONTAINER AND WAS	TE DESCRIPT	ION			ALLNU	r: re	TRITIUM	ACTIVITY C-14	Tc-9	<u>.                                      </u>	129	1	SOURCE	WATERBU	RT HUSPILAL	HEAL
Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste						7.5047		NP	NP	NP			(kgs)	NA	SHIPMENT ID NUMBER		
	Disposal Of Fade	10000110 110010			MBq	6,7481	1E+02	NP	NP	NP	NP		(lbs)	NA	60641		
	DISPOSAL CONTAINER	R DESCRIPTION									WASTE TYPE IN CONT	AMER					18.9
CONTAINER IDENTIFICATION NUMBER / SC PERMIT	6. CONTAINER DESCRIPTION (See Note 1 &	7. VOLUME (m3) (m3)	8. WASTE AND CONTAINER WEIGHT	9. SURFACE RADIATION LEVEL	10. SURF CONTAM <u>ABa/11</u> dpm/10	NATION 10 cm2	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)		PYSICAL DESCRIP  2. APPROXIMATE  WASTE  VOLUME(S) IN  CONTAINER  (FI3)  (FI3)			WEIGHT	INDIVIDUAL RADIONUCLIDES AND ACCONTAINER TOTAL OR CONTAINER			CTIVITY (MBq) AND	
	Mate 1A)	(83)	(kg) (85)	mSwhr mremhr	ALPHA	GAMMA	<u> </u>		(, ,0,			1774.18		RADIONUCI		mCi .	
02-0450-01/NA 64 ROBBINS STREET WATERBURY, CT 96721	4	8,9396	11,3398	700	χP	NP	34-H		0.0396	180	SEALED SOURCEMP	0.00	Cs-13	otal	1.2300E+	3.3243E+0	2
		1,4000	25,0000	9.0	NP	NP ·			1.4000				Total		1.2300E+	3.3243E+0	2
92-0450-02/NA 64 ROBBINS STREET WATERBURY, CT 06721	4	302396	14,3398	.4	NP	NP	36-14		6,0396	100	SEALED SOURCES/NP	0.00	Cs-13 Subte	- otal	9.6248E+ 9.6248E+	2.6013E+0	1
		1,4800	25,0000	വ്രം	NP	NP		Į	1.4000				Total		9.6248E+		2
02-045U-03/MA 64 ROBBINS STREET WATERBURY, CT 06721	4	0,0396	11.3398	که.	NP	нР	36-H		6.839 <b>6</b>	190	SEALED SOURCES/NP	9,00	Am-2 Ba-13 Co-5	33 7	3.7000E- 9.6940E+ 1.9980E+	00 2.6200E-0 02 5.4000E+0	
		1.4000	25 0000	5.0	NP	NP			1,4000				Co-5	37	1.8500E+ 1.1100E-	3.000DE-0	5
											·		Cs-1. Cs-1. Cs-1.	37 37	8.1400E- 3.7000E+ 3.5890E- 2.9012E+	00 1.0000E-0	1
	ļ	İ											Sr-90 Sr-90		7.5480E-	2.0400E-0	5
							1			l İ			Subt		3.1171E+	03 8.4245E+0	
						****	1	Ī		]			Total		3.1171E+	03 8.4245E+0	1
Shipment Totals		8,1188	34.0194												2.5042E+	04 6.7681E+0	2
		4.2000	75,0000				1	Ī									
NOTE 1: Container Description Codes. For containers' waste requiring disposal in approved structural over- packs the numerical code must be followed by "-OP."  1. Wooden Box or Crate 2. Metal Box 3. Petatic Drum or Pail 4. Metal Drum or Pail 4. Metal Drum or Pail 5. Metal Tank or Liner 6. Coocrete Tank or Liner 9. Chern Describe in Rem 6, 7. Pulyethager Tank or Liner 9. Chern Describe in Rem 6, 7. Pulyethager Tank or Liner 9. Chern Describe in Rem 6,		Codes, (Choose one code as may be applicable.)  A High Integrity Container - Poly B High Integrity Container - Poly with Stock Shott C High Integrity Container - Poly D High Integrity Container - Stafriess Steal E High Integrity Container - Fiberglass F Liner - Steel 22 22 22			20, Chercos 21, Incinera 22, Soil 23, Gas 24, CB 25, Aqueou 26, Filler M 27, Mechan	I. Incinerator Ash 30. Callon lon-exchange M 3. Soil 31. Anion lon-exchange M 3. Gas 32, Mixed Bed lon-exchange			38. Evaporator B Concentrate 39. Compacible	ntions/Sludges/ is Trash ble Trash se ferial (except ass) ental	Note 2A: Barews R Specific Waste Descriptor Codes (Choose all applicable codes.)  G Dewetered H Solid I Combustible J Non-combusible K Air Fill allion Fillers L Asbestoe			2: Solidification an 19. (Choose up to i aluma) For madia a must be fullowed of must be fullowed of must be fullowed must be	Note 1A: Bernwell S Solf-iffication and Stabilization Media C (Choose this code if applicable) N Wax Binde		



Adcom Express, Inc., the wholly owned transportation company of Adco Services, Inc. and PWN in Vista, CA. Our vehicles are fully insured and operated by our fully trained company employees.

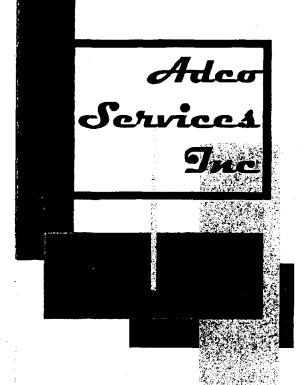
dco Services, Inc. has been in the business of radioactive waste disposal for over thirty-five years. We incorporated in the state of Illinois in 1965 under the name of Atomic Disposal Company. Our name was changed in 1980 to better reflect our expanding services.

long with the generalized service of radwaste disposal for the nuclear industry, research and medical fields, Adco Services also developed specialized services in decontamination and decommissioning, health physics services; training programs and sealed source ( gauge and device ) disassembles, removals and disposals.

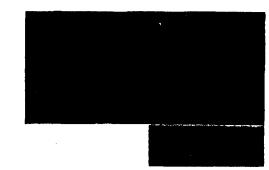
dco Services, Inc. acquired PWN Environmental in Vista, CA. in 1985 and, by June 1986, The PWN Environmental, Inc. division of Adco was providing full scale rad waste disposal services for the West Coast. Adco Services has its headquarters in Tinley Park, IL; and is thereby centrally located to have service routes throughout the country.

dco's attention to customer service, innovation and flexibility to customize its service, coupled with a corporate commitment to quality and value, makes us one of the most cost effective, dedicated and efficient service companies in the nation.





17650 Duvan Drive Tinley Park, Il 60477 Phone: 708-429-1660 Fax: 708-429-9759



#### **Radioactive Waste**

- Dry Active Waste
- Sealed Sources
- Decay-In-Storage
   Materials with <120 day T1/2</li>
- Uranium and Thorium Compounds
- Biological Carcass and Non-Carcass
- Liquids

Scintillation Fluids and Aqueous Solutions

Vials

Bulk

Beta Plates

#### Services

- Decontamination
- Decommissioning
- Transportation
- Labeling
- Manifesting
- Waste Tracking
- Lab Packing 5
- Technical Support

#### Licenses

- Illinois Radioactive Materials
  License
  IL-01347-01
- US Nuclear Regulatory
   Commission Service License
   12-11286-01

# **Hazardous Waste Disposal**

- Acids / Caustics
- Flammable Liquids
- Oxidizers
- Flammable Solids
- · Cyanide and Sulfide Wastes
- Laboratory chemical Packaging, Treatment and Disposal
- Heavy Metal Sludge
- Aerosols
- Toxics
- Mercury, Metallic Compounds and Debris
- Laboratory Movements and Cleanouts

#### Insurance

Limits

General Liability \$5,000,000

Commercial General Liability \$5,000,000

Automobile Liability \$5,000,000

Workers Compensation and Employers' Liability \$1,000,000

Pollution Liability \$1,000,000

## **Corporate Headquarters**

ADCO Services, Inc. 17650 Duvan Drive Tinley Park, IL 60477

Phone: 708-429-1660

Fax: 708-429-9759 e-mail: len@adcoservices.com

www.adcoservices.com

## West Coast Division

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e-mail: pwn@pwnenvironmental.com

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