

FACSIMILE COVER SHEET

FERRIS STATE UNIVERSITY
COLLEGE OF ALLIED HEALTH SCIENCES
BIG RAPIDS, MI 49307
PHONE: (231) 591-2270
FAX: (231) 591-3788

DATE: August 10, 2005

PAGES: 3

PLEASE DELIVER TO:

NAME: Toy Simmons

COMPANY: Nuclear Regulatory Commission

FAX NUMBER: 630 829 9782 /

FROM: BSMC
BRAD McCORMICK, Radiation Safety Officer
OFFICE: VFS 300
PHONE: (231) 591-2278
E-Mail: mccormib@ferris.edu

MESSAGE:

Re: NRC License # 21-15237-01/ Request to decommission 220 Ferris Dr.
This is in reference to the waste pickup in 2002, Cs-137.

Attached is the information that you requested as per our phone conversation. I hope you find this information appropriate. If I missed any documents, please contact me ASAP to correct any errors. Please refer to item 15 on form 541.

Thank you for your cooperation in this matter.

Ferris State University
License # 21-152737-01

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

ADCO SERVICES, INC.

1. MANIFEST TOTALS

NUMBER OF INDIVIDUAL DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL INCLUSION (EXTERNAL ISOTOPE)			TOTAL
			U-235	U-238	Pu	
1	0.0000	11.3300	NP	NP	NP	NP
2	7.5	25.0000				
ACTIVITY			C-64	Tl-201	H-3	SOURCE
ALL INCLUSIONS	TRITIUM	C-64	Tl-201	H-3	(kg)	NA
MP	MP	3.0000E-06	MP	MP	(lb)	NA
MP	MP	1.0000E-06	MP	MP		

2 MANIFEST NUMBER 02-0198 L-06
3 PAGE 1 OF 1 PAGE(S)
4 SHIPPER NAME FERRELL STATE UNIV/HOR THE
SHIPMENT ID NUMBER 02-0198 L-05

5. CONTAINER IDENTIFICATION NUMBER / SC PERMIT	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (GAL) (L)	8. WASTE AND CONTAINER WEIGHT (LB) (KG)	9. SURFACE RADIATION LEVEL (mR/hr) (μSv/hr)	10. SURFACE CONTAMINATION (See Note 10)		11. WASTE DESCRIPTION (See Note 2 & Note 2A)	12. APPROXIMATE NET WASTE VOLUME IN CONTAINER (GAL) (L)	13. IDENTIFICATION OF STABILIZATION MEDIA (See Note 3 & Note 3A)	14. CHEMICAL FORM OR CHELATING AGENT	15. WEIGHT OF CHELATING AGENT (G) (LB)	16. RADIOLOGICAL DESCRIPTION		17. WASTE CLASSIFICATION (See Note 4)																				
					ALPHA	BETA-COMPA						INDIVIDUAL INCLUSIONS AND ACTIVITY (See Note 5)	CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIOCLAUDE PERCENT																					
02-0198-01000 FERRELL STATE UNIV, MO-0007		0.0000	11.3300	0.6	MP	MP	3.0000E-06 DRY WASTE-R	0.0000	100	None	None	<table border="1"> <tr> <td>U-235</td> <td>2.1800E-04</td> <td>2.1800E-04</td> </tr> <tr> <td>C-64</td> <td>3.7800E-05</td> <td>1.0000E-05</td> </tr> <tr> <td>Co-60</td> <td>7.2300E-01</td> <td>2.2310E-02</td> </tr> <tr> <td>Co-137</td> <td>8.2170E-01</td> <td>2.2310E-02</td> </tr> <tr> <td>Co-137</td> <td>2.7810E-03</td> <td>7.4600E-01</td> </tr> <tr> <td>Subtotal</td> <td>3.0104E-03</td> <td>8.1363E-01</td> </tr> <tr> <td>Total</td> <td>3.0104E-03</td> <td>8.1363E-01</td> </tr> </table>	U-235	2.1800E-04	2.1800E-04	C-64	3.7800E-05	1.0000E-05	Co-60	7.2300E-01	2.2310E-02	Co-137	8.2170E-01	2.2310E-02	Co-137	2.7810E-03	7.4600E-01	Subtotal	3.0104E-03	8.1363E-01	Total	3.0104E-03	8.1363E-01	AS
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		1.0000	25.0000	6.0	MP	MP		1.0000																										
Shipper Total		0.0000	11.3300																															
		7.5	25.0000																															

NOTE 1: Container Descriptive Codes. For traditional waste requiring disposal in approved structural overpacks the material code must be followed by "OP".

1. Wooden Box or Crate	8. Drum/Can
2. Metal Box	9. Can/Drum
3. Plastic Drum or Pail	10. Bulk Unpackaged Waste
4. Metal Drum or Pail	11. Unpackaged Compressed Gas
5. Metal Tank or Liner	12. High Intensity Container
6. Concrete Tank or Liner	13. High Intensity Container or additional code
7. Polyethylene Tank or Liner	
8. Fiberglass Tank or Liner	

Note 1A: Surface Specific Contamination Codes. (Choose one code as may be applicable.)

A. High Intensity Container - Poly
B. High Intensity Container - Poly with Steel Shell
C. High Intensity Drum/Can - Poly
D. High Intensity Container - Stainless Steel
E. High Intensity Container - 7 Carbon
F. Liner - Steel

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

20. Charcoal	29. Detergent Residue	38. Explosive (Solvent/Diluted)
21. Activated Carbon	30. Carbon Ion-Exchange Media	39. Corrosive
22. Soil	31. Acid Ion-Exchange Media	40. Compressible Trash
23. Gas	32. Ion-Exchange Resin	41. Non-compressible Trash
24. Oil	33. Compressed Gas	42. Aerial Contaminant
25. Organic Liquid	34. Organic Liquid (Inorganic)	43. Inorganic Aerial Contaminant
26. Inorganic Liquid	35. Flammable Solid	44. Solid Waste
27. Slurry	36. Solid Oxidizing Agent	45. Acid Waste (Not 46)
28. Hazardous	37. Fuel or Sludge	46. Other, Specify in Item 13 or additional page

Note 3: Chemical Specific Codes. (Choose all applicable codes.)

G. Oxidizer
H. Salt
I. Inorganic
J. Base/Corrosive
K. Air Pollution Hazard
L. Asbestos

Note 4: Radioactive Specific Codes. (Choose all applicable codes.)

50. Compressed Gas	59. Very High Specific Activity
51. Compressed Gas (Inorganic)	60. Other, Specify in Item 13 or additional page
52. Compressed Gas (Organic)	61. Other, Specify in Item 13 or additional page
53. Very High Specific Activity	62. Other, Specify in Item 13 or additional page

Note 5: Chemical Specific Classification and Specification Codes. (Choose this code if applicable.)

AS - Class A
AS-DM - Class A Drum
B - Class B
C - Class C

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02-0198 L

FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER ADCO SERVICES, INC.		A. SHIPPER - NAME AND FACILITY FERRIS STATE UNIVERSITY FOR THE ACCOUNT OF ADCO SERVICES, INC. 201 FERRIS DRIVE BIRMINGHAM, AL 35297		SHIPMENT ID NUMBER 02-0198 L-06		7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDRESSING INFORMATION		8. MANIFEST NUMBER (Use the number on all continuation pages) 02-0198 L-06	
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 205-998-6826		CONTACT ROBERT MCLAMM		COLLECTOR <input checked="" type="checkbox"/>		9. CONSIGNEE - Name and Facility Address ADCO SERVICES, INC. 17000 BRYAN DRIVE TIMBLEY PARK, E. 06477		CONTACT LEM WARBANY/FACILITY MGR. TELEPHONE NUMBER (Include Area Code) 800-282-2320	
ORGANIZATION FERRIS STATE UNIVERSITY		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 2		TELEPHONE NUMBER (Include Area Code) 205-624-3285		SIGNATURE - Authorized consignee accepting waste receipt _____		DATE 5/13/02	
2. IS THIS AN "EXCLUSION USE" SHIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		EPA MANIFEST NUMBER NONE RECEIVED		SHIPMENT TYPE (Check all that apply) <input checked="" type="checkbox"/> A		10. CERTIFICATION This is to certify that the waste named herein has been properly classified, described, packaged, sealed, labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, sealed, and labeled and are in proper condition for transportation and disposition as described in accordance with the requirements of 40 CFR Parts 26 and 27, or equivalent state regulations.	
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including packaging name, hazard class, UN ID number and any additional information) Radioactive material, n.o.s., 7, U235M2 (ENGR 163)		12. DOT LABEL "RADIOACTIVE" Yellow II		13. TRANSPORT INDEX 6		14. PHYSICAL AND CHEMICAL FORM Solid SOURCE PAGES		15. INDIVIDUAL RADIOACTIVITIES B1-210 C-14 Cs-137 N-163	
						16. TOTAL RADIOACTIVITY (M) 8.0580E+00		17. TOTAL RADIOACTIVITY (M) 8.1563E+01	
						18. IATA CLASS NA		19. IATA CLASS 7.5	
								20. IDENTIFICATION NUMBER OF PACKAGE 02-0198-01	
FOR CONSIGNEE USE ONLY				20. Consignee representative signature and title on this Uniform Low-Level Radioactive Manifest is true and correct in all respects. Date: 5/13/02 Signature: Robert T. Chelban Title and Organization: RSO - Ferris State University Telephone No: 231.591.2526					

FORM 540 (10-98)

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