



October 6, 2005

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Senior Health Physicist
Region I, Medical Branch
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

03002512

**Re: addition information request for NRC license # 29-08285-03, Mail Control
Number 136936**

Dr. Gabriel:

Enclosed is the Low-Level Radioactive Waste Manifest for the two Am-241 sealed sources that were received at AEA Technology on June 28, 2005.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Ed J. Goldschmidt Jr.'.

Edward J. Goldschmidt Jr., M.S., D.A.B.M.P.

Radiation Safety Officer
The Cooper Health System
Robert Wood Johnson Medical School at Camden
One Cooper Plaza
Camden, NJ 08103

[illegible]

FORM 541

Philotechnics

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

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams)			
					U-233	U-235	Pu	TOTAL
1	m3	0.0193	kg	22.6796	NP	NP	NP	NP
	ft3	0.6800	lb	50.0000				
ACTIVITY								
	ALL NUCLIDES		TRITIUM		C-14	Tc-99	I-129	SOURCE
MBq	8.8800E+02		NP		NP	NP	NP	(kgs) NA
mCi	2.4000E+01		NP		NP	NP	NP	(lbs) NA

2. MANIFEST NUMBER

0519-060105AEA

3. PAGE 1 OF 1 PAGE(S)

4. SHIPPER NAME

Philotechnics @ Cooper Health

SHIPMENT ID NUMBER

0519-060105AEA

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER							16 WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C		
5 CONTAINER IDENTIFICATION NUMBER / GENERATOR ID NUMBER	6 CONTAINER DESCRIPTION (See Note 1) PROCESS REQUESTED (See Note 1A) BURIAL/DISPOSITION (See Note 2A)	7 VOLUME (m3) (ft3)	8 WASTE AND CONTAINER WEIGHT (kg) (lb)	9 SURFACE RADIATION LEVEL mSv/hr mrem/hr	10 SURFACE CONTAMINATION MBq/100 cm2 dpm/100 cm2		11 WASTE DESCRIPTOR (See Note 2) f	12 APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)		13 SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14 CHEMICAL DESCRIPTION		15 RADIOLOGICAL DESCRIPTION			
					ALPHA	BETA-GAMMA		CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF >0.1%		INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL, OR TOTAL ACTIVITY AND RADIONUCLIDE PERCENT					
											RADIONUCLIDES	MBq	mCi			
CH5/0519	4	0.0193 0.6800	22.6796 50.0000	<5.0000E-03 <5.000E-01	<3.6740E-06 <2.200E+02	<3.6740E-05 <2.200E+03	59-SEALED SOURCES	0.0193 0.6800	100 100		Sealed Sources/Am-241/NP	NP	Am-241 ----- Subtotal ----- Total	8.8800E+02 ----- 8.8800E+02 ----- 8.8800E+02	24000E+01 ----- 24000E+01 ----- 24000E+01	AU
Shipment Totals		0.0193 0.6800	22.6796 50.0000											8.8800E+02	24000E+01	

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. 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

19. Other Describe in Item 6, or additional page.

Note 1A: Process Descriptors

NT/VR Non Thermal / Volume Reduction
NT/SC Non Thermal / Super Compaction
NT/DC Non Thermal / Decontamination
NT/DCY Non Thermal / Decay
NT/PT Non Thermal / Pass Through
NT/SR Non Thermal / Survey & Release
NT/STB Non Thermal / Stabilize
NT/FL Non Thermal / Fill
NT/SAB Non Thermal / Shred & Bail
T/SFG Thermal / Saf-Glas
T/BPU Thermal / Batch Processing Unit
T/VIT Thermal / Vitrification Process

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 Hazardous

29. Demolition Rubble

30. Cation 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. Compactible Trash

40. Noncompactible Trash

41. Animal Carcass

42. Biological Material (except animal carcass)

43. Activated Material

59. Other Describe in item 11, or additional page

Note 2A: End Disposition Descriptors

BSC Barnwell, SC

ECU Envirocare, UT

USE US Ecology, Richland WA

DOE DOE, Hanford WA

RTG Return to Generator

O Other

NDV No Disposal Volume

TBD To be Determined

WCS Waste Control Specialists, Texas

FR Free Release

Note 3: 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" and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement

91. Concrete (encapsulation)

92. Bitumen

93. Vinyl Chloride

94. Vinyl Ester Styrene

99. Other Describe in item 13, or additional page

100. None Required

FORM 542		Philotechnics		1. WASTE COLLECTOR/PROCESSOR					2. MANIFEST NUMBER					
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST				NAME			SHIPPER USE ONLY							
				Philotechnics @ Cooper Health System										
				IDENTIFICATION NUMBER										
MANIFEST INDEX AND REGIONAL COMPACT TABULATION				0519										
List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators.				SHIPPING DATE			3. PAGE 1 OF 1 PAGE(S)							
				6/1/05										
4	5	6	7	PREPROCESSED WASTE (OR MATERIAL) VOLUME	8	MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT	9	WASTE CODE P = PROCESSED C = COLLECTED	10	ORIGINATING COMPACT REGION OR STATE	11 AS PROCESSED/COLLECTED TOTAL			
GENERATOR IDENTIFICATION NUMBER	GENERATOR NAME PERMIT NUMBER (IF APPLICABLE) AND TELEPHONE NUMBER	GENERATOR FACILITY ADDRESS		(m3) (ft3)							A SOURCE MATERIAL	B SNM	C ACTIVITY	D VOLUME
											(kg) (lb)	(g)	(MBq) (mCi)	(m3) (ft3)
0519 166	Philotechnics @ Cooper Health System 856-342-2723	1 Cooper Plaza, Office B74 Radiation Safety Office Camden, NJ 08103		0.0193 0.6816	0519-060105AEA (06/01/2005)		C	NJ			0.0000E+00 0.0000E+00	0.0000E+00	8.8800E+02 2.4000E+01	0.0193 0.6800
TOTALS OF ALL PAGES (FORMS 542 AND 542A)											0.0000E+00 0.0000E+00	0.0000E+00	8.8800E+02 2.4000E+01	0.0193 0.6800

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0519-060105AEA
Philotechnics

<u>Isotope</u>	Total Activity	
	<u>(MBq)</u>	<u>(mCi)</u>
Am-241	8.8800E+02	2.4000E+01