

Commonwealth Edison Co.
Zion Station
Dockets 05000295 and 05000304
Report Nos. 050-295/80-13 and
050-304/80-13

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
REGION V

Report No. 80-32

Docket No. 15000046 License No. Safeguards Group

Licensee: Commonwealth Edison Company, Zion Station
101 Shiloh Blvd.
Zion, Illinois 60099

Facility Name: Nuclear Engineering Company

Inspection at: Richland, Washington

Inspection Conducted: February 22 and 26, 1980

Inspectors: J. M. Dawson 3-26-80
J. M. Dawson, Radiation Specialist Date

J. M. Dawson for L. A. O'Reilly 3-26-80
L. A. O'Reilly, Technical Reviewer, NMSS Date

Approved By: R. D. Thomas 4/1/80
R. D. Thomas, Chief, Materials Radiological Date
Protection Section

H. E. Book 4/2/80
H. E. Book, Chief, Fuel Facility and Materials Date
Safety Branch

Summary

Inspection on February 22 and 26, 1980 (Report No. 15000046/80-32)

This report details the inspection of Trailer 442054 which was part of the inspection conducted February 19-29, 1980, at NECO, Richland, Washington. A State of Washington representative was onsite. One drum was opened on February 26, 1980, by Zion Station personnel with approval of Washington State representatives.

8007310 339

Results: Maximum dose rate on the surface of the transport trailer was 220 mR/hr. This was in noncompliance with DOT regulations (see paragraph 4).

It appears that the Department of Transportation and Region III are the appropriate organizations to take enforcement actions.

DETAILSPersons Contacted

Vern Apple, Site Manager, NECO
Robert Phalen, Site Senior Radiation Safety Officer, NECO
Floyd Dickerson, Site Radiation Safety Officer, NECO
Lawrence Grimm, Health Services Division, State of Washington
Robert Brown, Health Services Division, State of Washington
Pat Kuhner, Quality Assurance Inspector, Zion Station
Frank Rescek, Zion Station Health Physicist

Background

The NECO low level radioactive waste disposal site at Richland, Washington, is a location for continued inspection of radioactive waste shipping procedures. This report details the inspection of trailer 442054 on February 22 and 26, 1980, as part of the inspection conducted during February 19-29, 1980.

Instruments used were a digimaster (serial no. 503152, calibration due February 26, 1980); Xetex 303A (serial no. 3484, calibration due May 18, 1980); Eberline E-520 (serial no. 1462, calibration due May 18, 1980); Technical Associates Pug 1AB (Serial no. 503042, calibration due February 26, 1980); minimonitor II (serial no. 503029, calibration due February 26, 1980).

One Washington State representative was present for the initial survey of the trailer. A second Washington State representative was present for the Zion Station personnel drum examination activities.

DETAILS

Licensee - Shipper: Commonwealth Edison Company
Zion Station
101 Shiloh Blvd.
Zion, Illinois 60099

Shipment Inspected: February 22 and 26, 1980

Carrier: Home Transportation Company Incorporated

Trailer: 442054

Freight Bill: 2-000074

1. This trailer was loaded with seventy 55 gallon drums containing LSA Nos. An exclusive use vehicle was requested. Copies of shipping papers are enclosed as Exhibit A. The shipment contained of 415.4 millicuries of Co-58, Co-60, Cs-134, and Cs-137.
2. The radiation survey of the trailer revealed a maximum dose of 220 mR/hr at the vehicle surface on February 22, 1980, 7.9 mR/hr at six feet from the trailer and .25 mR/hr in the cab. Wipes of the trailer and drum emitting the maximum radiation dose showed no removable contamination.
3. Zion station personnel requested the trailer not be off loaded so they could examine the load, and specifically, the drum emitting the maximum radiation dose. Zion station personnel arrived on February 26, 1980. The specific drum was off-loaded, surveyed, opened and examined. NRC surface of drum dose rates were 1200 mR/hr. Dose rates were 25.0 mR/hr three feet from the surface of the drum.
4. The vehicle surface maximum dose rate of this trailer (No. 442054) was 220 mR/hr which appeared to be in noncompliance with DOT regulations. The regulation requires the maximum surface dose rate for an exclusive use vehicle be less than 200 millirem per hour (49 CFR 173.393(j)(2)).

RADIOACTIVE MATERIAL SHIPMENT RECORD

41.1 4.78
Nuclear Engineering Co. Exhibit A
PO Box 1638
Richland WA 99352
Attn:
Permit License #: WN-1012-2

From: Commonwealth Edison Co.
Evan Sta, 101 Shiloh Blvd.
Evan, IL 60092
Phone #: 312 746-2054 X238
Carrier: Home

Shipment Description: Radioactive Material, LSA, N.C.S. - Radioactive Material
Isotopic Nuclides: Co-58, Co-60, Cs-134, Cs-137
Total Activity: 415.4 milli-Curies
Chemical Form: PAW + Concentrate
Physical Form: Solid Liquid Gas

Transportation: Air Rail Highway Water
Special: LSA Type A Type B
 Small Large

Approval section with checkboxes for Class I, II, III and a signature line for approval.

Volume: 70 55-gallon drums DET T 17H
Weight: 2000 lbs 525 ft³
Special Permit #: 74

Labeling: White I "Radioactive"
 Yellow II LpTV
 Yellow III (Other: _____)
 "Radioactive - No Fat 1 Required"
 "Radioactive Material - No Label Required"

Special Requirements: Label Attached
 Label affixed to package(s)
 Shipping instructions on opening instructions to reverse side

Signature: [Handwritten Signature]
Additional notes and checkboxes at the bottom of the form.

HOME TRANSPORTATION CO. INC.

DELIVERY RECEIPT - Consignee Copy

Exhibit A

002697

Control Number 2-00074
Shipper's Number 017

FROM Commonwealth Edison Date 2-17-80

DESIGNED TO 2 in connecting station 100 1/2 inch Blvd 2 in 21 600A

DESTINATION Washington Eng Co P.O. Box 638 STATE Richland Wash COUNTY 11252

Subject to Section 7 of conditions of applicable bill of lading. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Number of Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT (Subject to Correction)	Class or Rate	Chk. Col.
0	<u>174 55 gallon steel drums</u>	<u>26,435</u>		
	<u>containing 1000 Gallons Actual Waste (52)</u>			
	<u>and untreated material (18)</u>			
	<u>1 Material is untreated & Radioactive</u>			
	<u>Material is A Neg -</u>			
	<u>untreated material</u>			

(Signature of Consignor)
If charges are to be prepaid, write or stamp here, "To be Prepaid."
Received \$ _____ to apply in prepayment of the charges on the property described hereon.
Agent or Cashier
Per: _____
(The signature here acknowledges only the amount prepaid.)
Charges Advanced: _____

Order No. 2-146
Carrier No. 4420541

LENGTH	WIDTH	HEIGHT

When rates are subject to a Released Rates Order, unless a greater value is declared, the shipper hereby releases the value to \$5,000.00 per ton of 2,000 pounds for each article if agreed or declared value of the property is hereby specifically stated by the shipper and is not exceeding _____ per _____

Received the property described above in good condition, except as otherwise noted.

Shipper: Per _____

Carrier: Home Transportation Co., Inc.
Driver: [Signature]
Date and Time: 2-17-80

Permanent postoffice address of shipper: _____

DELIVERY RECEIPT

Received the property described above in good condition.

Consignee Company Name NECO
Title RSO Date 2-22-80 Time 12:00 PM

SCHEDULED ARRIVAL	SHIPPER NOTIFIED OF ARRIVAL	LOADING BEGAN	LOADING COMPLETED
Date <u>2-17-80</u> Time <u>12:00 PM</u>	Date <u>2-17-80</u> Time <u>10:00 AM</u>	Date <u>2-17-80</u> Time <u>6:00 AM</u>	Date <u>2-17-80</u> Time <u>4:30 PM</u>
UNIT RELEASED			
Date <u>2-17-80</u> Time <u>12:00 PM</u>			

Shipper Co. Name _____
By [Signature] Title RWIF

SCHEDULED ARRIVAL	CONSIGNEE NOTIFIED OF ARRIVAL	UNLOADING BEGAN	UNLOADING COMPLETED
Date <u>2/25/80</u> Time <u>12:00 PM</u>	Date <u>2/22/80</u> Time <u>1:30 PM</u>	Date <u>2/24/80</u> Time <u>11:30 AM</u>	Date <u>2/26/80</u> Time <u>11:30 AM</u>
UNIT RELEASED			
Date <u>2/25/80</u> Time <u>12:00 PM</u>			

Consignee Company Name NECO
By [Signature] Title RWIF

Exhibit A

TERMS AND CONDITIONS

TITLE: Upon NECO taking possession of the Waste either at NECO's site via delivery by common carrier or at Customer's facility by loading on a NECO truck for hauling, as the case may be, title of ownership of the Waste shall thereupon transfer from the Customer and be vested in NECO.

WASTE PRODUCTS: Customer represents and warrants that data set forth in the Radioactive Waste Shipment & Disposal Form is true and correct in all respects and is in accordance with all applicable governmental laws, rules and regulations.

INDEMNIFICATION: Customer agrees to indemnify NECO, its officers, employees, and agents against all loss and liability whatsoever if such loss or liability results from the failure of the waste to conform in all material respects to the data supplied on the Radioactive Waste Shipment & Disposal Form or this shipment fails to meet the standards prescribed by the Department of Transportation or any other governmental agency having jurisdiction over such matters.

FOR NECO'S USE ONLY

- This material meets license limits.
 This material was disposed of in accordance with license.

Date Recv'd 2/24/80

Date Disposed 2/24/80

Trench _____

DRUMS

BOXES

55

4.5

30

4.0

5

2.0

55/30

30/15

Cubic Feet Solid _____

Gallons Liquid _____

TOTAL _____

Millicuries Solid _____

Millicuries Liquid _____

TOTAL _____

Grams SNM Solid _____

Grams SNM Liquid _____

TOTAL _____

Source Kilograms Solid _____

Source Kilograms Liquid _____

TOTAL _____

UDD-SIZE CONTAINERS

Customer Acct No. _____

Invoice No. _____

BY _____

*License # 151
- loading 800R
- 800R
6.2*

SHIPPER 200 119, 101 North St
 ADDRESS Evans, IL 60029
 PHONE 312 222-2004
 SHIPMENT NO 017
 DATE OF SHIPMENT 2-17-82
 CARRIER Hercules

RADIOACTIVE WASTE SHIPMENT & DISPOSAL FORM
NUCLEAR ENGINEERING COMPANY, INC.
 EXECUTIVE OFFICE: (502) 426-7160
 P.O. BOX 7246 • LOUISVILLE, KENTUCKY 40207
 Illinois Office: (815) 454-2624
 California Office: (415) 932-4800

P.O. Box 578
 Brantly, NV 80003
 (702) 553 2203
 P.O. Box 638
 Richland, VA 99352
 (505) 377 2411

NO. 25605 002697 PAGE 1 OF 5

Exhibit A

TOTAL QUANTITY	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	TOTAL WEIGHT IN POUNDS
	Radioactive Device, N O S	- Radioactive Material
	Radioactive Material, Fissile, N O S	- Radioactive Material
<u>41504</u>	Radioactive Material, Low Specific Activity, N O S	- Radioactive Material
	Radioactive Material, N O S	- Radioactive Material
	Radioactive Material, Limited Quantity, N O S	- Radioactive Material
	Radioactive Material, Special Form, N O S	- Radioactive Material

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(11)	(12)	(13)	(14)	(15)
Item No	Cubic Feet	Weight (Pounds)	Physical Form	Chemical Form	Radionuclide	Special Nuclear Material (kg)	Source Material (kg)	Activity Curies/Millicuries	Radiation Levels MH/HR		Transport Group	Transport Index	Label	Package Class	Type of Container
									Surface	3 Feet					
164	7.5	200	SOLID	METALLIC	SR-90	0.4	0.4	0.6	2	<1			Radioactive		
147		100		OXIDES	Co-60			3.7	18	5			Radioactive		
142		220		DEPOSITED	SR-90			3.7	12	3			Radioactive		
152		280		ON	Co-60			3.7	15	2			Radioactive		
76		300		TRASH	Co-60			2.5	10	2			Radioactive		
111		300			Co-60			3.1	12	2			Radioactive		
131		170						1.6	5	1			Radioactive		
68		260						4.6	22	3			Radioactive		
80		200						3.7	12	1			Radioactive		
33		135						0.9	3	1			Radioactive		
37		250						0.6	3	<1			Radioactive		
36		285						1.2	4	1			Radioactive		
137		220						4.0	13	2			Radioactive		
144		340						3.7	15	2			Radioactive		
134		280	✓		✓	✓	✓	3.7	15	2	✓	✓	Radioactive		
	<u>112.5</u>	<u>3500</u>		TOTALS											

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

THIS IS TO CERTIFY THAT ARTICLES ARE IN COMPLIANCE WITH ALL REGULATIONS APPLICABLE AT THE DESIGNATED DISPOSAL SITE

Richard *Health Physics*

NAME _____
 ADDRESS _____
 PHONE _____
 SHIPMENT NO. _____
 DATE OF SHIPMENT _____
 CARRIER _____

NUCLEAR ENGINEERING COMPANY, INC.

EXECUTIVE OFFICE: (502) 426-7180
 P.O. BOX 7248 • LOUISVILLE, KENTUCKY 40207

Illinois Office: (815) 454-2624
 California Office: (415) 932-4800

P.O. Box 576
 Beatty, NV 89003
 (702) 553-2203
 P.O. Box 638
 Richland, WA 99352
 (509) 377-2411

NO. 25606

PAGE 2 OF 5

TOTAL QUANTITY	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	TOTAL WEIGHT IN POUNDS
	Radioactive Device, N O S	- Radioactive Material
	Radioactive Material, Fissile, N O S	- Radioactive Material
	Radioactive Material, Low Specific Activity, N O S	- Radioactive Material
	Radioactive Material, N O S	- Radioactive Material
	Radioactive Material, Limited Quantity, N O S	- Radioactive Material
	Radioactive Material, Special Form, N O S	- Radioactive Material

EXHIBIT A

	(2) Cubic Feet	(3) Weight (Pounds)	(4) Physical Form	(5) Chemical Form	(6) Radionuclide	(7) Special Nuclear Material (Grams)	(8) Source Material (Kilograms)	(9) Activity Curies % Micromiles	(10) Radiation Levels MR/HR		(11) Transport Group	(12) Transport Index	(13) Label	(14) Fissile Class	(15) Type of Container	
									Surface	3 Feet						
1		150		METALLIC				0.3	1	<1	III	1.4	Radioactive -	NA	HT	
2		200		OXIDES				1.2	4	1			Radioactive -		TS	
3		295		DEPOSITED				0.9	16	<1			Radioactive -			
4		165		ON				0.6	2	<1			Radioactive -			
5		300		TRASH				3.7	15	2			Radioactive -			
6		300						3.7	15	<1			Radioactive -			
7		220						2.2	7	<1			Radioactive -			
8		220						2.8	9	2			Radioactive -			
9		270						0.6	4	<1			Radioactive -			
10		120						0.3	<1	<1			Radioactive -			
11		250						0.6	2	<1			Radioactive -			
12		200						8.6	2	<1			Radioactive -			
13		225						0.9	3	<1			Radioactive -			
14		200						10.8	30	5			Radioactive -			
15	✓	300	✓		✓	✓	✓	3.7	12	2	✓	✓	Radioactive -	✓	✓	
		TOTALS				1/A	1/A	32.9								

I TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

THIS IS TO CERTIFY THAT ARTICLES ARE IN COMPLIANCE WITH ALL REGULATIONS APPLICABLE AT THE DESIGNATED DISPOSAL SITE.

John Stewart

Health Physicist
 Authorized Signature

PER John Sta. 101 Skil. 6/11
 ADDRESS 2101 E.L. 6000
 PHONE 312 146-2014 A 231
 SHIPMENT NO 017
 DATE OF SHIPMENT 2-17-83
 CARRIER Home

RADIOACTIVE WASTE SHIPMENT & DISPOSAL FORM
NUCLEAR ENGINEERING COMPANY, INC.

EXECUTIVE OFFICE: (502) 428-7160
 P.O. BOX 7246 • LOUISVILLE, KENTUCKY 40207

Illinois Office: (815) 454 2624
 California Office: (415) 932-4800

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 Richland, WA 99352
 (509) 377 2411

NO. 25607

PAGE ___ OF ___

Exhibit A

TOTAL QUANTITY	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	TOTAL WEIGHT IN POUNDS
	Radioactive Device, N O S	- Radioactive Material
	Radioactive Material, Fissile, N O S	- Radioactive Material
<u>415.4 milligrams</u>	Radioactive Material, Low Specific Activity, N O S	- Radioactive Material
	Radioactive Material, N O S	- Radioactive Material
	Radioactive Material, Limited Quantity, N O S	- Radioactive Material
	Radioactive Material, Special Form, N O S	- Radioactive Material

(1) Item No	(2) Cubic Feet	(3) Weight (Pounds)	(4) Physical Form	(5) Chemical Form	(6) Radionuclide	(7) Special Nuclear Material (Grams)	(8) Source Material (Kilograms)	(9) Activity Curies or Microcuries	(10) Radiation Levels MH/HR		(11) Transport Group	(12) Transport Index	(13) Label	(14) Type of Container	(15) Type of Container
									Surface	3 Feet					
156	7.5	200	SOLID	METALLIC	57Co	1.7	1.7	14	45	5			Radioactive -		
155		100		OXIDES	57Co			1.6	5	1			Radioactive -		
42		240		DEPOSITED	31P			0.9	4	<1			Radioactive -		
35		220		ON	Co-60			0.9	3	<1			Radioactive -		
177		400		TRASH	57Co			2.5	3	2			Radioactive -		
41		240			57Co			1.2	7	1			Radioactive -		
73		300						3.1	10	2			Radioactive -		
74		300						3.1	10	2			Radioactive -		
75		245						3.7	12	3			Radioactive -		
153		250						9.3	30	4			Radioactive -		
118		680						6.8	50	6			Radioactive -		
53		255						1.2	6	2			Radioactive -		
125		205						15.5	50	10			Radioactive -		
143		215						3.4	11	2			Radioactive -		
127		200						12.4	50	20			Radioactive -		
		112.5	4350	TOTALS		11A	1.7	22.1							

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

THIS IS TO CERTIFY THAT ARTICLES ARE IN COMPLIANCE WITH ALL REGULATIONS APPLICABLE AT THE DESIGNATED DISPOSAL SITE.

Richard Health Physicist

Richard Health Physicist

SHIPPER Zion Hill, Inc. 6502
 ADDRESS Zion Hill, Pa. 19380
 PHONE 610-246-2000 x 234
 SHIPMENT NO. 017
 DATE OF SHIPMENT 2-16-89 6:17:50
 CARRIER Horn

RADIOACTIVE WASTE SHIPMENT & DISPOSAL FORM
NUCLEAR ENGINEERING COMPANY, INC.
 EXECUTIVE OFFICE: (502) 426-7160
 P.O. BOX 7248 • LOUISVILLE, KENTUCKY 40207
 Illinois Office: (815) 454-2624
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 Richland, WA 99352
 (509) 377-2411

NO. 25608

PAGE ___ OF ___

Exhibit A

TOTAL QUANTITY	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	TOTAL WEIGHT IN POUNDS
	Radioactive Device, N O S - Radioactive Material	
	Radioactive Material, Fissile, N O S - Radioactive Material	
<u>7.524 m. lbs. eqv.</u>	Radioactive Material, Low Specific Activity, N O S - Radioactive Material	
	Radioactive Material, N O S - Radioactive Material	
	Radioactive Material, Limited Quantity, N O S - Radioactive Material	
	Radioactive Material, Special Form, N O S - Radioactive Material	

(1) Item No.	(2) Cubic Feet	(3) Weight (Pounds)	(4) Physical Form	(5) Chemical Form	(6) Radionuclide	(7) Special Nuclear Material (Grams)	(8) Source Material (Kilograms)	(9) Activity Curies / Millicuries	(10) Radiation Levels MR-HR		(11) Transport Group	(12) Transport Index	(13) Label	(14) Fissile	(15) Type of Container
									Surface	3 feet					
162	7.5	600	SOLID	METALLIC	53%	NA	NA	0.6	2	<1	II	NA	Radioactive -	NA	1
66		250		OXIDES	C-60			0.9	3	<1			Radioactive -		1
70		245		DEPOSITED	31%			1.6	5	<1			Radioactive -		1
81		330		ON TRASH	C-137			3.1	10	2			Radioactive -		1
71		210		TRASH	14%			1.2	4	1			Radioactive -		1
3		760			C-137			4.6	15	2			Radioactive -		1
238		700						37.2	120	12			Radioactive -		1
12		770		EVAPORATED	C-137			16.2	45	6			Radioactive -		1
7		780		BOTTIONS	31%			7.2	50	6			Radioactive -		1
8		650			31%			7.2	60	6			Radioactive -		1
22		620			C-137			12.6	45	7			Radioactive -		1
18		710			25%			10.8	30	8			Radioactive -		1
19		720			C-137			9.0	50	6			Radioactive -		1
15		745			1%			12.6	70	6			Radioactive -		1
11		720			C-137			10.8	40	4			Radioactive -		1
		712.5	3880	TOTALS		119	14	130.6							

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

THIS IS TO CERTIFY THAT ARTICLES ARE IN COMPLIANCE WITH ALL REGULATIONS APPLICABLE AT THE DESIGNATED DISPOSAL SITE

Health Physicist

SHIPPER: Zion Sta, 101 Sh. L. H. Pl
 ADDRESS: Zion, IL 60099
 PHONE: 312 746-2084
 SHIPMENT NO.: 017
 DATE OF SHIPMENT: 2/17/80 2-17-80
 CARRIER: Home

RADIOACTIVE WASTE SHIPMENT & DISPOSAL FORM
NUCLEAR ENGINEERING COMPANY, INC.
 EXECUTIVE OFFICE: (502) 426-7180
 P.O. BOX 7246 • LOUISVILLE, KENTUCKY 40207
 Illinois Office: (815) 454-2624
 California Office: (415) 932-4800

P.O. Box 578
 Beatty, NV 89003
 (702) 553-2203
 P.O. Box 638
 Richland, WA 99352
 (509) 377-2411

NO 25609 PAGE 5 OF 5

Exhibit A

TOTAL QUANTITY	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	TOTAL WEIGHT IN POUNDS
	Radioactive Device, N O S	- Radioactive Material
	Radioactive Material, Fissile, N O S	- Radioactive Material
<u>415.4 mCi</u>	Radioactive Material, Low Specific Activity, N O S	- Radioactive Material
	Radioactive Material, N O S	- Radioactive Material
	Radioactive Material, Limited Quantity, N O S	- Radioactive Material
	Radioactive Material, Special Form, N O S	- Radioactive Material

(1) Item No	(2) Cubic Feet	(3) Weight (Pounds)	(4) Physical Form	(5) Chemical Form	(6) Radionuclide	(7) Special Nuclear Material (Grams)	(8) Source Material (Kilograms)	(9) Activity (Curies)	(10) Radiation Levels (MR/HR)		(11) Transport Group	(12) Transport Index	(13) Label	(14) Issue Class	(15) Type of Container
									Surface	3 Feet					
16	7.5	720	50012	EVAPORATOR				16.2	45	6			Radioactive		
4		780		POTENTIOMETER				4.0	70	5			Radioactive		
13		700						1.8	5	2			Radioactive		
14		720						10.8	40	4			Radioactive		
25		700						3.6	10	3			Radioactive		
26		640						14.4	40	6			Radioactive		
5		690						7.2	20	3			Radioactive		
17		680						36.0	100	10			Radioactive		
24		680						12.6	35	5			Radioactive		
23		690						14.4	40	6			Radioactive		
2 p. 5	7.5	2000						12.0					Radioactive		
2 p. 4	112.5	3850						100.0					Radioactive		
4 p. 2	112.5	4050						70.0					Radioactive		
5 p. 1	112.5	3915						40.0					Radioactive		
1 p. 1	112.5	3590						40.0					Radioactive		
	522.5	26225	GRAND TOTALS												

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

THIS IS TO CERTIFY THAT ARTICLES ARE IN COMPLIANCE WITH ALL REGULATIONS APPLICABLE AT THE DESIGNATED DISPOSAL SITE

Health Physics