

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

REGION III

Report No. 80-18, 80-20, 80-24

Docket No. 50-010, 50-237, 50-249 License No. _____ Safeguards Group _____

Licensee: Commonwealth Edison Company

P. O. Box 767

Chicago, Illinois, 60690

Facility Name: Dresden Station

Inspection at: Richland, Washington

Inspection conducted: July 23, 1980

Inspectors: J. Frank Pang 10-2-80

J. Frank Pang, Radiation Specialist

Date Signed

Wm. Mark Grayson

10/3/80

Wm. Mark Grayson, Radiation Specialist

Date Signed

Approved by: R. D. Thomas 10/3/80

R. D. Thomas, Chief, Materials Radiological Protection
Section

Date Signed

Approved by: H. E. Book 10/3/80

H. E. Book, Chief, Fuel Facility and Materials Safety
Branch

Date Signed

Summary:

Inspection of July 23, 1980 (Report Nos. 50-010/80-18, 50-237/80-20, 50-249/80-24)

As part of the low level waste inspection conducted during July 21-26, 1980, the inspection of trailer number 440175 and associated shipping papers are detailed in this report.

Results: One apparent item of noncompliance with DOT/NRC regulations was observed. See paragraph 4.

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

8102260362

DETAILS

Persons Contacted

Vern Apple, Site Manager, NECO
Robert Phalen, Assistant Site Manager, NECO
Floyd Dickson, Radiation Control and Safety Officer, NECO
Rebecca Cropper, Radiation Technician, NECO
Rob Rittenberg, Radiation Technician, NECO
Mary Lou Blazek, State of Washington, Department of Social and Health Service

Background

As part of a waste inspection conducted on July 21-25, 1980, trailer 440175 was inspected on July 23, 1980. Instruments used for radiation surveys were Xetex model 305B's serial numbers 8172 and 8194, due for recalibration September 25, 1980. Contamination surveys of unloaded trailers and checks for removable radioactive contamination were performed with an Eberline E-520 and HP-260 pancake probe, due for recalibration August 19, 1980.

Inspection

Licensee - Shipper: Commonwealth Edison Company
Dresden, Illinois

Shipment Inspected: July 23, 1980

Carrier: Tri-State Motor Transit Company

Trailer: 440175

Shippers Number: 350938

1. The trailer transported 9 metal boxes of radioactive waste, LSA, as described in Appendix A (RSR No. 23339). This was an exclusive use shipment.
2. Radiation surveys of the trailer indicated a maximum surface dose rate of 9 mr/hr, and 3.2 mr/hr at two meters from the trailer. The dose rate in the cab was less than 0.1 mr/hr.
3. The vehicle was properly placarded.
4. 49 CFR 173.392 (c)(1) requires that materials must be packaged in strong, tight packages so that there will be no leakage of radioactive material under conditions normally incident to transportation.

The lid on bin No. 6169 was observed during off loading to be unfastened, and thus could readily be lifted off. Bolt holes were lacking so that the lid could not be bolted down.

5. A check of the bin for removable radioactive contamination and a survey of the truck bed after unloading indicated no significant radioactivity.

SHIPPER Commonwealth Edison
 ADDRESS R.R.#1, Morris Ill, 60450
 PHONE 815/942-2920
 SHIPMENT NO 350-938
 DATE OF SHIPMENT 7-19-80
 CARRIER Tri-State

RADIOACTIVE WASTE SHIPMENT & DISPOSAL FORM
NUCLEAR ENGINEERING COMPANY, INC.
 EXECUTIVE OFFICE: (502) 420-7160
 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. 23339 3167 PAGE 1 OF 1

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	

* Not strong tight container (not locked closed)

(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	Co-60 Mn-54 Radionuclide	Special Nuclear Material (Grams)	Source Material (Kilograms)	Activity Curies Microcuries	Surface	3 Feet	Transport Group	Transport Index	Label	Fissile Class	Type of Container
7424	96.0	1625	Solid	Paper, cardboard + WOOD + METAL	Cs-137	NA	NA	68.3	15	2	II	NA	Radioactive -	LS4	NA
6124		1750			Cs-134			24.3	5	<1			Radioactive -		
7461		1450						23.4	4	<1			Radioactive -		
6169		1225	N					19.5	5	<1			Radioactive -		
7426		2300						19.5	5	<1			Radioactive -		
7366		2600						58.6	20	5			Radioactive -		
6149		1025						165.8	60	10			Radioactive -		
7467		2200						24.3	5	<1			Radioactive -		
5376	↓	1800	↓	↓	↓	↓	↓	19.5	5	<1	↓	↓	Radioactive -	↓	↓
													Radioactive -		
													Radioactive -		
													Radioactive -		
Plywood for Truck Floor	9.0	100	Solid	wood	—	—	—	<.0001	—	—	—	—	Radioactive -	—	—
9													Radioactive -		
	873.0	16,675	TOTALS					433.2							

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

Terence S. Palamich R.V. Foreman
 Authorized Signature Title

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

Michael W. Foreman H.P.
 Authorized Signature Title

Appendix A

JOHN. COMMONWEALTH EDISON COMPANY

DATE 7/19/80
SIGNED

AI DRESDEN, ILLINOIS
 • CO. SATING
 CASHIER IRI STATE MOTOR TRANSIT COMPANY
 • CO. AND TO
 NUCLEAR ENGINEERING COMPANY, INC.
 STATE

85 412
EXECUTIVE OFFICES
P.O. BOX 113 JOPLIN MO 6480

Subject to Section 7 of the Ordinance
of 1911, the right of the Government
is to be as to the use of the
land without payment of
rent and the right of the
Government.

MANFORD, WASHINGTON

SAME
TRUCKING CARRIER

DELIVERING CARRIER

TRACTOR NO.

TRAILER NO.


TRI STATE

TRI STATE

3389

440175

SIGNATURE TALLY RECEIPT

APPROVED AT CONSIGNEE	DATE 7-23-80	TIME 0830 A.M.	DEARRANGED SCHEDULE	<input type="checkbox"/> YES <input type="checkbox"/> NO	DATE	TIME	UNLOADING STARTED	DATE	TIME
UNLOADING COMPLETE	DATE	TIME	VEHICLE RELEASED	DATE	TIME	CONSIGNEE'S SIGNATURE 			

RECEIVED THE ABOVE DESCRIBED PROPERTY IN GOOD CONDITION EXCEPT AS NOTED

1-CONSIGNEE'S COPY-1

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