

DETAILSReport No. 83-03Docket No. 15000046 License No. _____ Safeguards Group _____Licensee: U. S. Ecology, Inc.Richland, WashingtonFacility Name: U. S. Ecology, Inc.Inspection at: Richland, WashingtonInspection conducted: February 16, 1983

Inspectors: *[Signature]* 2/28/83
for Mikel J. Elsen, Washington State Inspector Date Signed

Approved by: *[Signature]* 2/28/83
 R. D. Thomas, Chief, Materials Radiation Date Signed
 Protection Section

Approved by: *[Signature]* 2/28/83
 H. E. Book, Chief, Radiological Safety Branch Date Signed

Summary:

Inspection of February 16, 1983 (Report No. 15000046/83-03)

As part of the inspections conducted by the State of Washington on February 16, 1983 at the Richland Burial Site, a shipment of radioactive waste from Commonwealth Edison, Dresden Plant, Morris, Illinois, was inspected. The result of the inspection which was received at the NRC Region V office on February 22, 1983, is detailed in this report.

Result: One violation of DOT/NRC regulations was identified. It appears that the NRC Region III office and the Department of Transportation are the appropriate organizations to take enforcement action.

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 PDR ADDCK 05000237
 Q PDR

DETAILS

1. Persons Contacted

E. Lee Gronemeyer, Transportation and Waste Manager, State of Washington

Mikel J. Elsen, Radiation Control Monitor, State of Washington

Background

As part of the low level waste inspections conducted by State of Washington inspectors on February 16, 1983 at the Richland, Washington Burial Site, a shipment of radioactive waste which was received on February 16, 1983 from the Commonwealth Edison, Dresden Plant, Morris, Illinois, was inspected on February 16, 1983. As a result of this inspection, the radiation level in the cab of the vehicle was found to be 3 millirem per hour. See state inspector's report attached.

Pursuant to this violation of DOT/NRC regulations, the State of Washington banned the NRC licensee from using the burial site, effective February 16, 1983.

Inspection

Licensee-Shipper: Commonwealth Edison
Dresden Plant
Morris, Illinois

Docket Numbers: 50-237, 50-249, 50-10

Shipment Inspected: February 16, 1983

Carrier: Halke Trucking

Cab Number: 40 Trailer Number: H18

Shipment Number: E-1370

1. This shipment consisted of six boxes and 35 drums of Low Specific Activity (LSA), NOS radioactive material.
2. The State Inspector observed a dose rate of 3 millirem per hour in the cab of the vehicle.
3. The fact that a dose rate above 2 millirem per hour existed in the cab of the vehicle is in violation of 49 CFR 173.393(j)(4).

WASTE PACKAGING AND SHIPMENT INSPECTION RECORD

RECEIVED

The enclosed inspection formats consisting of SHIPPING DOCUMENTATION, RADIO-LOGICAL SURVEY DATA, and VISUAL FEATURES are to be completed by the State inspector ONLY when an item of noncompliance has been identified, and ONLY when an NRC Licensee is involved. ONLY the particular format associated with the item of noncompliance needs to be completed in addition to the shipment identification page.

RECEIVED

SHIPMENT IDENTIFICATIONLicensee/ShipperName COMMONWEALTH EDISON [DRESDEN PLANT]City & State Morris, Ill.BrokerName N/ACity & State -CarrierName HACKE TruckingTrailer No. H18Shipment InspectedDate 2/16/83 Time 20915 P.S.T.Describe the Shipment (Number of boxes, drums, etc.)☒ LSA☐ Other (DOT I, II, III LABELS)

6 Boxes

35 drums

Shipment # E-1370

Notified on 2/22/83 / 2:50 PM.

Michel Elsen

Inspector

IE:V Form 604

RADIOLOGICAL SURVEY DATA

DATE 2/16/83

TIME 20915 P.S.T

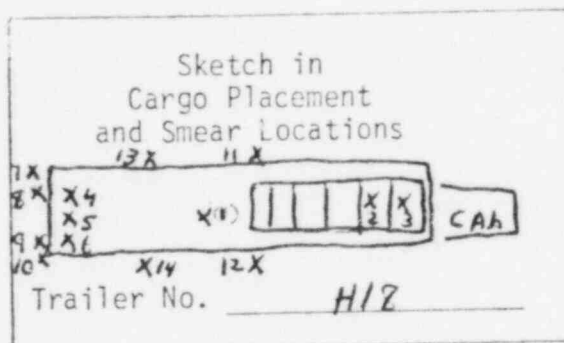
INSPECTOR Mikel Eisen

INSTRUMENT DATA

	Radiation Levels	Monitor Smears
Make		<u>All Smears on</u>
<u>Mark III Cutie Pie</u>	<u>60.0 mR/m MAX underside</u>	<u>Pkg's & Surface</u>
Model		
<u>CP5</u>	<u>8.0 mR/m MAX 2 meters</u>	<u>< 220 dpm/100 cm²</u>
S/N		<u>Beta & Gamma</u>
<u>081122</u>	<u>90.0 mR/m MAX Surface</u>	<u>No detectable Alpha</u>
Calib. due date		
<u>5/7/83</u>	<u>3.0 mR/m MAX inside cab</u>	

SURVEY RESULTS (mr/hr)

Cab No.	<u>46</u>
Level	<u>3.0</u>



Maximum at surface 90.0
Maximum at 2 meters 8.0

SMEAR DATA

Identify locations by "x" and whether on vehicle surface or packages.

1. PACKAGE
2. PACKAGE
3. PACKAGE
4. PACKAGE
5. PACKAGE
6. PACKAGE
7. SURFACE
8. ↓
9. ↓
10. ↓
11. ↓

13. SURFACE
14. SURFACE

REMARKS:

All SMEARS TAKEN by US Ecology Inc.