U.S. NUCLEAR REGULATORY COMMISSION REGION I

Report No.	50-277/85-39 50-278/85-40	
Docket No.	50-277 50-278	
License No.	DPR-44 DPR-56 Priority	Category C
Licensee:	Philadelphia Electric Company 2301 Market Street Philadelphia, Pennsylvania 19101	
Facility Na	ame: Peach Bottom Atomic Power Station	
Inspection	At: Barnwell, South Carolina	
Inspection	Conducted: October 18, 1985	
Inspector :	H. Bicehouse, Radiation Specialist	10/25/85 date
Approved by	111 (2 . 1	10/25/85 date

Inspection Summary:

Inspection on October 18, 1985, by a Representative of the State of South Carolina Department of Health and Environmental Control

Areas Inspected: Philadelphia Electric Company was the originator of a waste shipment which was inspected at the Chem-Nuclear Systems, Inc., burial site in Barnwell, South Carolina.

Results: One problem was identified (lifting cables apparently improperly attached)

DETAILS

On or about October 16, 1985, Philadelphia Electric Company (PECO) shipped radioactive waste material in Radioactive Waste Shipment No. 1085-197-4, classified as Radioactive Material, LSA, n.o.s., described as centrifuged resin, packaged in 14 palletized PECO high integrity containers (HIC). The shipment was made by an Exclusive Use Carrier on a tractor-trailer containing Cask Model No. HN-100-2-7. On October 18, 1985, a representative of the South Carolina Department of Health and Environmental Control (SCDHEC) inspected the shipment. The inspection consisted of a review of shipping papers, placarding, marking and labeling, radiation measurements, selective contamination surveys and examination of the packages and the vehicle.

10 CFR 71.87(f) requires that packages be loaded and closed in accordance with written procedures. Philadelphia Electric Company Procedure MPO/CO-71C, Appendix A, dated June 12, 1984, for Peach Bottom Units 2 and 3, "Loading and Closing the HN-100 Series 2 or 3 Radioactive Waste Shipping Cask," requires that the cask loading operator assure easy access to the pallet lifting slings for removal of the pallets at the burial site. According to a SCDHEC representative, when the task was opened at the burial site the lifting cables for the top pallet were entangled with the packages and therefore not easily accessible.

The Philadelphia Electric Company Station Superintendent was informed of this problem and apparent violation of NRC requirements in a telephone conversation with Dr. Walter J. Pasciak and Mr. Robert Gallo of the Region I Office on October 24, 1985.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Bureau of Radiological Health

Division of Radioactive Material Licensing and Compliance Radioactive Shipment Inspection Report

	General Information: Repor	t No. 85-10-02
	Peach Bottom Nuclear Station 1. Shipper Philadelphia Electric Company Address Delta, Pa 2. Carrier Hittman Tractor # 82235 Trailer # 72237 3. Type Package/Cask HN-100-2-7 Cask Containing HIC drums of centri	nnsylvania Type Spacial Ice
в.	Shi pping Documentation:	
	1. AS# 41366 Volume Allocation # 1085-147-S Permit # 2. Shipping Name & Class: Radioactive Material, LSA, n.o.s. HM Id.# 13 3. Total Burial Vol.: 105 ft (172.202(c) Total Curies: 10.6948 4. Radionuclides: Cr-51, Mn-54, Co-58860, 7n-65, Cs-134 & 137, Nb-65 5. Describe chem./phy. media: Solid oxides on contributed rosit. 6. Chelating Agents(%) None Shippers Certification: State DO 7. Exclusive Use 1 Instructions (173.425(b)) Total T.I. NA 8. Check for: Radiation Survey (173.441) Contamination Levels 9. Compare: Radionuclides w/resin analysis Rad/Contamination Level	172.203(d) (172.203(d) (172.203(d)) (172.203(d)) (172.204) (177.842(a)) (173.443)
c.	Shipment Inspection Check List:	
1717 7171 7	Shipment Braced/Blocked (173.425(b)(6) Visible Leakage (173.425(B)(1) Package Labeling: W-I, Y-II, III(172.403) (b) & (c) or CRadioactive LSA) (173.425) Waste Class. Marked (AAB) C Stable Unstable Gross Weight Marked (172.310) ILSA Exclusive Use Exempt Type A) Type B Package Marked (172.310) Trailer/Tractor Defects Lids (Drum, box cask Visible Demage (173.42) Visible Demage (173.42) Radiation Survey: Cab/ trailer/truck (173.44 Contamination Levels (Vehicle Placards (173. Tiedowns Secure/Adequa	5) arts sleeper, 1) 173.443) 425(c) (172.507) te
	Packages banded/reinforced, palletized	e s
7	Radiation/Contamination Survey: (transport vehicle or package)	es
7	Radiation/Contamination Survey: (transport vehicle or package) (mR/hr) Surface: 15.0 2 meters:	
7	Radiation/Contamination Survey: (transport vehicle or package) (mR/hr) Surface: 15.0 2 meters:	Surface: 2 meters:
7	Radiation/Contamination Survey: (transport vehicle or package) (mR/hr) Surface: 15.0 2 meters: Surface: Cab/sleeper 0.4	Surface: