

**CP&L**

**Carolina Power & Light Company**

Robinson Nuclear Plant  
3581 West Entrance Road  
Hartsville SC 29550

File: 13020DE  
Serial: RNP-RA/96-0194

**OCT 24 1996**

Mr. Virgil R. Autry, Director  
Division of Radioactive Waste Management  
Bureau of Solid and Hazardous Waste  
South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, SC 29201

First Sergeant Terry C. Stroud,  
Hazardous Material Coordinator  
North Carolina State Highway Patrol  
512 N. Salisbury St.  
Raleigh, NC 27626-0590

**H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
NOTIFICATION OF SPENT FUEL SHIPMENT**

Gentlemen:

In accordance with 10 CFR 73.37, the following information is provided concerning a forthcoming shipment of irradiated nuclear reactor fuel by Carolina Power & Light (CP&L) Company.

1. Name, Address, and Telephone Number of Shipper, Carrier, and Receiver

- a. Shipper: H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2  
Docket No. 50-261  
3581 West Entrance Road  
Hartsville, SC 29550  
(803) 857-1279/1278
- b. Carrier: CSX Transportation  
Chief Dispatcher  
3019 Warrington Street  
Jacksonville, FL 32205  
(904) 381-2780

SGI NO. 96-158

WHEN SEPARATED FROM ENCLOSURES  
HANDLE THIS DOCUMENT  
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c. Receiver: Shearon Harris Nuclear Power Plant (SHNPP)  
Docket No. 50-400  
P. O. Box 165  
New Hill, NC 27562  
(919) 362-2157

2. Description of Shipment - Radioactive material in IF-300 series shipping cask(s): Cask ID NO. USA/9001/B(F); s/n IF-303, s/n IF-304.

- a. Cask(s) used this shipment: IF-303 AND IF-304
- b. Proper Shipping Name: Radioactive Material, Fissile, N.O.S., RQ
- c. DOT Hazard Class: 7
- d. DOT ID No: UN2918
- e. DOT Subtype: Highway Route Controlled Quantity
- f. Mode of Shipment: Rail
- g. Physical Form: Solid
- h. Chemical Form: Plutonium Oxide and Uranium Oxide
- i. "Exclusive Use Shipment"
- j. Radionuclides: Cm-244, Pu-238, Pu-241, Am-241, Pm-240, Pu-239, Ru-106
- k. Original Enrichment: IF-303 3.43 w/o  
IF-304 3.42 w/o
- l. Hazardous Material Quantity: IF-303 11235 lbs. Est.  
IF-304 11235 lbs. Est.
- m. Total Curie Content: IF-303 1.342 E+6 Est.  
IF-304 1.516 E+6 Est.
- n. Transport Index: IF-303 15.00 Est.  
IF-304 15.00 Est.
- o. Category of Label: Radioactive Yellow III
- p. Type of Reactor: PWR

3. Route Within the States of North Carolina and South Carolina

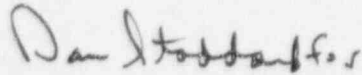
- a. HBRSEP, Unit No.2 to McBee, SC: CSX Railroad
- b. McBee, SC to Hamlet, NC: CSX Railroad
- c. Hamlet, NC to SHNPP: CSX Railroad

Mr. Virgil R. Autry  
First Sergeant Terry C. Stroud  
Serial: RNP-RA/96-0193  
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By copy of this correspondence, the Nuclear Regulatory Commission is provided notification of this shipment. In accordance with 10 CFR 73.21 and 10 CFR 73.37, the information on the attached is designated as Safeguards Information and shall be protected in accordance with provisions of 10 CFR 73.21.

Questions regarding this matter may be referred to me at (803) 857-1802.

Very truly yours,



R. M. Krich  
Manager - Regulatory Affairs

WMB/klb

- c: (1) U.S. Nuclear Regulatory Commission  
Attn: Ms. Gloria Bennington  
NMSS: SFPO-MS: OWFN-6 F-18  
11555 Rockville Pike  
Rockville, MD 20852-2738
- (2) Director, Division of Industrial and Medical Nuclear Safety  
U.S. Nuclear Regulatory Commission  
Attn: Dr. Donald A. Cool  
NMSS:IMNS-MS: 8F5  
11555 Rockville Pike  
Rockville, MD 20852-2738