



10 CFR 73.37  
10 CFR 73.21

**Carolina Power & Light Company**  
Robinson Nuclear Plant  
3581 West Entrance Road  
Hartsville SC 29550

WHEN SEPARATED FROM ENCLOSURES  
HANDLE THIS DOCUMENT  
AS DECONTROLLED

RNP-RA/00-0107

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

COPY  
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OF  
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Line Sgt. Mark Dalton  
Hazardous Materials Coordinator  
North Carolina State Highway Patrol  
Research and Planning Section  
4702 Mail Service Center  
Raleigh, North Carolina 27699-4702

UNAUTHORIZED DISCLOSURE SUBJECT  
TO CIVIL AND CRIMINAL SANCTIONS  
10CFR73.80

SGI No. SON 00-011

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

NOTIFICATION OF SPENT FUEL SHIPMENT

Ladies and 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  
(843) 857-1279/1278

RESPONSIBLE DEPARTMENT Plant Support  
PLANT/SECTION RNP Security

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

- b. Carrier: CSX Transportation  
Chief Dispatcher  
3019 Warrington Street  
Jacksonville, FL 32205  
(904) 381-2780
- c. Receiver: Harris Nuclear Plant (HNP)  
Docket No. 50-400  
P. O. Box 165  
New Hill, NC 27562  
(919) 362-2157

2. Description of Shipment - Radioactive material in IF-303 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: Pu-238, Pu-241, Ba-137m, Am-241, Cm-244, Pu-240, Pu-239, Sr-90, Rh-106, Pr-144, Cm-243
- k. Original Enrichment:

|  |        |                 |
|--|--------|-----------------|
|  | IF-303 | <u>3.58 w/o</u> |
|  | IF-304 | <u>3.57 w/o</u> |
- l. Hazardous Material Quantity

|  |                     |                   |
|--|---------------------|-------------------|
|  | IF-303              | <u>11235 lbs.</u> |
|  | IF-304 <sup>1</sup> | <u>11235 lbs.</u> |
- m. Total Curie Content:

|  |        |                  |
|--|--------|------------------|
|  | IF-303 | <u>1.56 E +6</u> |
|  | IF-304 | <u>1.59 E +6</u> |
- n. Transport Index:

|  |        |           |
|--|--------|-----------|
|  | IF-303 | <u>15</u> |
|  | IF-304 | <u>15</u> |
- o. Category of Label: Radioactive Yellow III
- p. Type of Reactor: PWR

South Carolina Department of Health and Environmental Control  
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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 HNP: CSX Railroad

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 Mr. H. K. Chernoff at (843) 857-1437.

Sincerely,



R. L. Warden

Manager - Regulatory Affairs

WMB/pmy  
Attachment

- c: (1) U.S. Nuclear Regulatory Commission  
Attn: Ms. Gloria Bennington  
NMSS: SFPO-MS: OWFN-13F-D-13  
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  
11545 Rockville Pike  
Rockville, MD 20852-2738
- (3) United States Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

South Carolina Department of Health and Environmental Control  
North Carolina State Highway Patrol  
Serial: RNP-RA/00-0107

bcc: Mr. Denny Braund  
Harris Nuclear Plant  
5413 Shearon Harris Road  
New Hill, NC 27562