

**CP&L**

**Carolina Power & Light Company**

Brunswick Nuclear Plant  
P. O. Box 10429  
Southport, NC 28461

04-12-96

FILE: B10-13020

First Sergeant Terry C. Stroud  
Hazardous Material Coordinator  
North Carolina State Highway Patrol  
512 North Salisbury Street  
P. O. Box 27687  
Raleigh, NC 27611-7687

Dear First Sergeant Terry C. Stroud:

In accordance with 10CFR73.37, the following information is provided concerning a forthcoming shipment of irradiated nuclear reactor fuel by CP&L.

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

a. Shipper: Brunswick Nuclear Plant  
Docket Nos. 50-325 and 50-324  
P. O. Box 10429  
Southport, NC 28461  
(910) 457-2375

b. Carriers: CSX Transportation U. S. Army  
Chief Dispatcher Military Ocean Terminal  
3019 Warrington Street Sunny Point  
Jacksonville, FL 32205 Southport, NC 28461-5000  
(904) 381-2780 (910) 341-8315

c: Receiver: Harris Nuclear Plant  
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

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CONTAINS INFORMATION  
WHICH IS:  
SAFEGUARDS INFORMATION

04-12-96

- b. Proper Shipping Name: Radioactive Material, Fissile, N.O.S., (7), RQ
- c. DOT Hazard Class: Radioactive Material; Fissile
- 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 dioxide and uranium dioxide
- i. Radionuclides: Am-241, Pu-238, Pu-241, Pu-240, Cm-244, Pu-239, and Sr-90
- j. Original Enrichment:
 

IF-303	<u>2.12 MAX</u>	
IF-304	<u>2.12 MAX</u>	
- k. Hazardous Material Quantity:
 

IF-303	<u>10251 lbs.</u>	Est.
IF-304	<u>10251 lbs.</u>	Est.
- l. Total Curie Content:
 

IF-303	<u>5.428 E+5</u>	Est.
IF-304	<u>5.625 E+5</u>	Est.
- m. Transport Index:
 

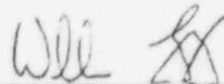
IF-303	<u>10.0</u>	Est.
IF-304	<u>10.0</u>	Est.
- n. Category of Label: Radioactive Yellow III
- o. Type of Reactor: BWR

3. Route Within the State of North Carolina

- a. Brunswick Nuclear Plant to Leland, NC: Sunny Point Military Ocean Terminal Railroad
- b. Leland, NC to Hamlet, NC: CSX Railroad
- c. Hamlet, NC to Harris Nuclear Plant: CSX Railroad

By copy of this correspondence, the Nuclear Regulatory Commission is provided notification of this shipment.

In accordance with 10CFR73.21 and 10CFR73.37, the information on the attached is designated as safeguards information and shall be protected in accordance with provisions of 10CFR73.21.




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William Levis  
 Director Site Operations  
 Brunswick Nuclear Plant

Attachment

First Sergeant Terry C. Stroud

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04-12-96

- cc: (1) U.S. Nuclear Regulatory Commission  
ATTN: Mrs. Gloria Bennington  
NMS:SFPO-MS: OWFN-6 F-18  
Washington D.C. 20555
- (2) Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
ATT: Bill Tobin  
PO BOX 2257  
Atlanta, GA 30301
- (3) Mr. Robert Kunita  
Carolina Power and Light Company  
Director Spent Fuel Management  
OHS9B5  
412 South Wilmington Street  
Raleigh, NC 27602