



Brunswick Nuclear Plant  
 P.O. Box 10429  
 Southport N.C. 28461

050003547104

CONTAINS INFORMATION  
 WHICH IS:  
 SAFEGUARDS INFORMATION

221AEA

September 24, 1999

WHEN SEPARATED FROM  
 ENCLOSURES, HANDLE THIS  
 DOCUMENT AS DECONTROLLED

Sergeant Mark Dalton  
 Hazardous Material Coordinator  
 North Carolina State Highway Patrol  
 Research and Planning  
 4702 Mail Service Center  
 Raleigh, NC 27699 - 4702

Dear Sergeant Dalton:

In accordance with 10 CFR73.37, 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  
 Chief Dispatcher  
 3019 Warrington St.  
 Jacksonville, FL 32205  
 (904) 381-2780
- U.S. Army  
 Military Ocean Terminal  
 Sunny Point  
 Southport, NC 28461-5000  
 (910) 341-8315
- c. Receiver: Harris Nuclear Plant  
 Docket No. 50-400  
 5413 Shearon Harris Rd.  
 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, IF-304
- 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 Oxide and Uranium Oxide
- i. Radionuclides: Am-241, Pu-238, Pu-241, Pu-240, Cm-244, Pu-239, Sr-90
- j. Original Enrichment: IF-303: 2.11  
 IF-304: 2.11
- k. Hazardous Material Quantity: IF-303: 10,251 Lbs. Estimated  
 IF-304: 10,251 Lbs. Estimated
- l. Total Becquerel / Curie Content: IF-303: 2.07E4 TBq 5.58E5 Curies  
 IF-304: 2.30E4 TBq 6.22E5 Curies

NM05

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Sergeant Mark Dalton

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09/24/1999


m. Transport Index: IF-303: 30 Estimated  
IF-304: 30 Estimated  
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 attachment is designated as safeguards information and shall be protected in accordance with the provisions of 10CFR73.21.

  
J. S. Keenan  
Vice President  
Brunswick Nuclear Plant

DBH/dbh  
Attachment

- cc: (1) U.S. Nuclear Regulatory Commission  
Spent Fuel Project Office  
11555 Rockville Pike  
Rockville, MD 20852-2738
- (2) Harris Nuclear Plant  
Denny Braund  
Harris Security  
5413 Shearon Harris Rd.  
New Hill, NC 27562
- (3) Director, Division of Industrial  
and Medical Nuclear Safety  
11545 Rockville Pike  
Rockville, MD 20852-2738