



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

December 01, 1999

050-003247004

**CONTAINS INFORMATION
 WHICH IS:
 SAFEGUARDS INFORMATION**

221AEA
 L23018

**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: 2.225E4 TBq 6.014E5 Curies
 IF-304: 2.334E4 TBq 6.309E5 Curies

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Sergeant Mark Dalton

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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