



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

May 21, 2001

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 U.S. Army  
 Chief Dispatcher Military Ocean Terminal  
 3019 Warrington St. Sunny Point  
 Jacksonville, FL 32205 Southport, NC 28461-5000  
 (904) 381-2780 (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: 3.00  
 IF-304: 2.12
- k. Hazardous Material Quantity: IF-303: 10,251 Lbs. Estimated  
 IF-304: 10,251 Lbs. Estimated
- l. Total Becquerel / Curie Content: IF-303: 5.703E4 TBq 1.542E6 Curies  
 IF-304: 1.833E4 TBq 4.955E5 Curies

SUNSI Review Complete RIDS: NMSS05 Public

Brunswick Nuclear Plant  
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Sergeant Mark Dalton

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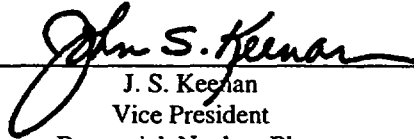
m. Transport Index: IF-303: 30 Estimated  
IF-304: 30 Estimated  
n. Category of Label: Radioactive Yellow III  
o. Type of Reactor: BWR

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.



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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) U.S. Nuclear Regulatory Commission  
Director, Division of Industrial and Medical  
Nuclear Safety  
11545 Rockville Pike  
Rockville, MD 20852-2738