

**CP&L**

A Progress Energy Company

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

November 5, 2001

05000324800Y

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CONTAINS INFORMATION
WHICH IS:
SAFEGUARDS INFORMATION

05000324

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: | 3.00 | | |
| | IF-304: | 3.00 | | |
| k. Hazardous Material Quantity: | IF-303: | 10,251 | Lbs. Estimated | |
| | IF-304: | 10,251 | Lbs. Estimated | |
| l. Total Becquerel / Curie Content: | IF-303: | 4.805E4 | TBq | 1.299E6 Curies |
| | IF-304: | 4.858E4 | TBq | 1.313E6 Curies |

Rec'd
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Brunswick Nuclear Plant
P.O. Box 10429
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05000324800 Y

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