

**CP&L**

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

50003246804

**CONTAINS INFORMATION  
WHICH IS:  
SAFEGUARDS INFORMATION**

June 21, 1999

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**WHEN SEPARATED FROM  
ENCLOSURES, HANDLE THIS  
DOCUMENT AS DECONTROLLED**

Sergeant Mark Dalton  
Hazardous Material Coordinator  
North Carolina State Highway Patrol  
P.O.Box 29590  
Raleigh, NC 27626 - 0590

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: 2.12 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: 1.735E4 TBq 4.690E5 Curies IF-304: 1.654E4 TBq 4.471E5 Curies

LM05

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.



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