

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

June 12, 2001

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CONTAINS INFORMATION WKICH 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. <u>Description of Shipment</u> - 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

i. Original Enrichment:

IF-303: 2.11

IF-304:

2.11

IF-303: 10,251 Lbs. Estimated

k. Hazardous Material Quantity:

IF-304: 10.251 Lbs. Estimated

1. Total Becquerel / Curie Content:

IF-303: 2.170E4 TBq

5.866E5

Curies

Curies

IF-304: 2.163E4 TBq 5.847E5

NMSSO5Public

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

Sergeant Mark Dalton

2

06/12/2001

m. Transport Index:

IF-303: IF-304:

30 Estimated

n. Category of Label:

30 Estimated

Radioactive Yellow III

o. Type of Reactor:

**BWR** 

## 3. Route Within the State of North Carolina

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.

> Jeff Lyash rector, Site Operations Brunswick Nuclear Plant

DBH/dbh Attachment

cc:

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