Brunswick Nuclear Plant P.O. Box 10429



May 5, 2004

Sergeant Mark Dalton Hazardous Material Coordinator North Carolina State Highway Patrol Research and Planning 4702 Mail Service Center Raleigh, NC 27699 - 4702

050003244804 3082705 CONTAINS INTERMATION SAFEGUARDS IN UNATION WHEN SEPARATED FROM ENCLOSURES HANDLE THIS DOCUMENT AS DECONTROLLED Rec'd 5/7 104

Dear Sergeant Dalton:

In accordance with 10 CFR73.37, the following information is provided concerning a forthcoming shipment of irradiated nuclear reactor fuel by Progress Energy.

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
- c. Receiver: Harris Nuclear Plant Docket No. 50-400 5413 Shearon Harris Rd. New Hill, NC 27562 (919) 362-2157

U.S. Army Military Ocean Terminal Sunny Point Southport, NC 28461-5000 (910) 341-8315

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				
j. Original Enrichment:	IF-303:	3.72			
	IF-304:	3.72			
k. Hazardous Material Quantity:	IF-303:	11,577	Lbs. Es	timated	
	IF-304:	11,577	Lbs. Estimated		
I. Total Becquerel / Curie Content:	IF-303:	5.644E4	TBq	1.525E6	Curies
•	IF-304:	5.713E4	TBq	1.544E6	Curies
Progress Energy Carolinas, Inc.			•		

Progress Energy Carolinas, In Brunswick Nuclear Plant P O Box 10429 Southport, NC 26461

NMS505Public

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

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Sergeant Mark Dalton

05/05/2004

m. Transport Index: IF-303: 30 Estimated IF-304: 30 Estimated Radioactive Yellow III n. Category of Label: 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 a.
- Leland, NC to Hamlet, NC: CSX Railroad b.
- Hamlet, NC to Harris Nuclear Plant: CSX Railroad c.

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.

Cornelius J. Gannon Vice President,

Brunswick Nuclear Plant

LAH/lh Attachment

- cc: U.S. Nuclear Regulatory Commission (1)Nuclear Security and Incident Response 11545 Rockville Pike, M/S T-4 D-8 Rockville, MD 20852-2738

 - (3) Progress Energy Nuclear Security Section **411 South Wilmington Street** PEB5 NS Raleigh, NC 27601
- (2) U.S. Nuclear Regulatory Commission Director, Division of Nuclear Security M/S T-4 D-8 Washington, DC 20555-0001
- (4) Harris Nuclear Plant Harris Security 5413 Shearon Harris Rd. New Hill, NC 27562

Progress Energy Carolinas, Inc. Brunswick Nuclear Plant P 0. Box 10429 Southport, NC 28461