



Progress Energy

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

April 13, 2004

~~SAFEGUARDS INFORMATION~~

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3082700

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

WHEN SEPARATED FROM ENCLOSURES
HANDLE THIS DOCUMENT AS DECONTROLLED.

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 | 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: | 3.72 | | |
| | IF-304: | 3.72 | | |
| k. Hazardous Material Quantity: | IF-303: | 11,577 | Lbs. Estimated | |
| | IF-304: | 11,577 | Lbs. Estimated | |
| l. Total Becquerel / Curie Content: | IF-303: | 5.701E4 | TBq | 1.541E6 Curies |
| | IF-304: | 5.658E4 | TBq | 1.529E6 Curies |

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

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NMSS05 Public



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Sergeant Mark Dalton

2

04/13/2004


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.


Cornelius J. Gannon
Vice President,
Brunswick Nuclear Plant

LAH/lh
Attachment

- cc: (1) U.S. Nuclear Regulatory Commission
Nuclear Security and Incident Response
11545 Rockville Pike, M/S T-4 D-8
Rockville, MD 20852-2738
- (2) U.S. Nuclear Regulatory Commission
Director, Division of Nuclear Security
M/S T-4 D-8
Washington, DC 20555-0001
- (3) Progress Energy
Nuclear Security Section
411 South Wilmington Street
PEB5 NS
Raleigh, NC 27601
- (4) Harris Nuclear Plant
Harris Security
5413 Shearon Harris Rd.
New Hill, NC 27562

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