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10 CFR 73.37
10 CFR 73.21

Serial: RNP-RA/02-0020

Mr. Henry Porter
Assistant Director, Division of Waste Management
Bureau of Land and Waste Management
Department of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

SGI No. SCN 02-003

05000261

RESPONSIBLE DEPARTMENT RNP-ETRC
PLANT/SECTION RNP- PLANT SUPPORT

Line Sergeant Mark Dalton
Hazardous Materials Coordinator
North Carolina State Highway Patrol Headquarters
Research and Planning Section
4702 Mail Service Center
Raleigh, North Carolina 27699-4702

COPY
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OF
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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

NOTIFICATION OF SPENT FUEL SHIPMENT

Ladies and Gentlemen:

In accordance with 10 CFR 73.37, Carolina Power and Light (CP&L) Company provides the following information concerning a forthcoming shipment of irradiated nuclear reactor fuel.

1. Name, Address, and Telephone Number of Shipper, Carrier, and Receiver

- a. Shipper: H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2
Docket No. 50-261
3581 West Entrance Road
Hartsville, SC 29550
(843) 857-1279/1278

WHEN SEPARATED FROM ENCLOSURES
HANDLE THIS DOCUMENT
AS DECONTROLLED

Robinson Nuclear Plant
3581 W Entrance Road
Hartsville, SC 29550

Rec'd for processing
1/17/06

SISP Review Complete

NMSS05Public

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1. Name, Address, and Telephone Number of Shipper, Carrier, and Receiver (continued)

- b. Carrier: CSX Transportation
Chief Dispatcher
3019 Warrington Street
Jacksonville, FL 32205
(904) 381-2780
- c. Receiver: Harris Nuclear Plant (HNP)
Docket No. 50-400
Post Office Box 165
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-301, s/n IF-302.

- a. Cask(s) used this shipment: IF-301 and IF-302
- b. Proper Shipping Name: Radioactive Material, Fissile, N.O.S., RQ
- c. DOT Hazard Class: 7
- 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. "Exclusive Use Shipment"
- j. Radionuclides: Pu-238, Pu-241, Ba-137m, Am-241, Cm-244, Pu-240, Pu-239, Sr-90, Rh-106, Pr-144
- | | | |
|--------------------------------|------------------------|-------------------|
| k. Original Enrichment: | IF-301 | <u>3.60 w/o</u> |
| | IF-302 | <u>3.54 w/o</u> |
| l. Hazardous Material Quantity | IF-301 | <u>11235 lbs.</u> |
| | IF-302 | <u>11235 lbs.</u> |
| m. Total Curie Content: | IF-301 | <u>1.547 E 6</u> |
| | IF-302 | <u>1.575 E 6</u> |
| n. Transport Index: | IF-301 | <u>15</u> |
| | IF-302 | <u>15</u> |
| o. Category of Label: | Radioactive Yellow III | |
| p. Type of Reactor: | PWR | |

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3. Route Within the States of North Carolina and South Carolina

- a. HBRSEP, Unit No. 2, to McBee, SC: CSX Railroad
- b. McBee, SC to Hamlet, NC: CSX Railroad
- c. Hamlet, NC to HNP: CSX Railroad

By copy of this correspondence, the Nuclear Regulatory Commission is provided notification of this shipment. In accordance with 10 CFR 73.21 and 10 CFR 73.37, the information on the attachment is designated as Safeguards Information and shall be protected in accordance with provisions of 10 CFR 73.21.

Questions regarding this matter may be referred to Mr. C. T. Baucom.

Sincerely,



B. L. Fletcher III
Manager - Regulatory Affairs

CAC/cac

Attachment

- c: (1) U.S. Nuclear Regulatory Commission
Attn: Ms. Gloria Bennington
NMSS: SFPO-MS: O-13D-13
11555 Rockville Pike
Rockville, MD 20852-2738

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- (2) U.S. Nuclear Regulatory Commission
Director, Division of Industrial and Medical Nuclear Safety
Attn: Dr. Donald A. Cool
NMSS:IMNS-MS: TWF8F5
11545 Rockville Pike
Rockville, MD 20852-2738

- (3) Corporate Security
Attn: Lori Hayes
OHS-8B4
412 South Wilmington Street
Raleigh, NC 27601

- (4) RNP, Plant Vault
3581 West Entrance Road
Hartsville, SC 29550

- (5) Mr. Denny Braund
Harris Nuclear Plant
5413 Shearon Harris Road
New Hill, NC 27562