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Progress Energy

RESPONSIBLE DEPARTMENT ETRC

10 CFR 73.37

PLANT/SECTION RNP / PLT SPT

10 CFR 73.21

Serial: RNP-RA/03-0082

SGI No. SCN 03-031

JUN 18 2003

Rec'd
6/22/03

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OF
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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, South Carolina 29201

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

UNAUTHORIZED DISCLOSURE SUBJECT
TO CIVIL AND CRIMINAL SANCTIONS
10CFR73.80

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

NOTIFICATION OF SPENT FUEL SHIPMENT

Gentlemen:

In accordance with 10 CFR 73.37, Carolina Power and Light (CP&L) Company, now doing business as Progress Energy Carolinas, 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

NMSS05Public

Progress Energy Carolinas, Inc.
Robinson Nuclear Plant
3581 West Entrance Road
Hartsville, SC 29550

SEPARATED FROM ENCLOSURES
HANDLE THIS DOCUMENT
AS DECONTROLLED

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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 4.25 w/o
IF-302 4.25 w/o
- l. Hazardous Material Quantity: IF-301 9630 lbs.
IF-302 9630 lbs.
- m. Total Curie Content: IF-301 1.416 E 6
IF-302 1.415 E 6
- n. Transport Index: IF-301 15
IF-302 15
- 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 the provisions of 10 CFR 73.21.

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

Sincerely,



C. L. Burton

Director – Site Operations, HBRSEP, Unit No. 2

CAC/cac

Attachment

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- c: (1) US Nuclear Regulatory Commission,
Director, Division of Nuclear Security
Office of Nuclear Security and Incident Response
Attn: Ms. Gloria Bennington
USNRC NSIR: DNS:M/S: T-4 D-8
11545 Rockville Pike
Rockville, MD 20852-2738
- (2) US Nuclear Regulatory Commission,
Director, Division of Nuclear Security
Office of Nuclear Security and Incident Response
Attn: Ms. Gloria Bennington
M/S: T4-D8
Washington DC 20555-0001
- (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