~~SAFEGUARDS INFORMATION~~

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Progress Energy

COPY 4 OF 7

SGI No. SCN 03-054
10 CFR 73.37
10 CFR 73.21

Serial: RNP-RA/03-0137

RESPONSIBLE DEPARTMENT E+RC
PLANT/SECTION RNP / PLT SPT

OCT 2 9 2003

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

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

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

WHEN SEPARATED FROM ENCLOSURES HANDLE THIS DOCUMENT AS DECONTROLLED

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
NOTIFICATION OF SPENT FUEL SHIPMENT

Gentlemen:

In accordance with 10 CFR 73.37, Progress Energy Carolinas (PEC) 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

   b. Carrier: CSX Transportation
   Chief Dispatcher
   3019 Warrington Street
   Jacksonville, FL 32205
   (904) 381-2780

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

NMSS05 Public

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

   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	1.615 E 6
		IF-302	1.606 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 me.

Sincerely,

J. F. Lucas
Manager – Site Support Services

CAC/cac

Attachment

05000261 4204

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) HBRSEP, Unit No. 2, Plant Vault
3581 West Entrance Road
Hartsville, SC 29550

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