

022497-1

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07001252640Y



Edlow International Company  
1666 Connecticut Ave., N.W., Suite 201  
Washington, D.C. 20009 U.S.A.  
Tel (202) 483-4959  
Fax (202) 483-4840  
e-mail: edlowco@aol.com

February 18, 1997

Ms. Gloria Bennington  
Division of Safeguards and  
Transportation  
Mail Stop: 0-6 E-6  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Ref: FRR-4 Irradiated Reactor Fuel Transport

Dear Ms. Bennington:

In accordance with CFR Title 10, part 73.37 and 73.72, we hereby make notification to your office of upcoming shipments of irradiated reactor fuel.

The shipments will consist of seven casks from four research reactors from Europe. Two vessels will be utilized for this shipment. The fuel from Germany and Switzerland will be loaded aboard the vessel "Arneb" which is scheduled to depart a port in Bremerhaven, Germany on February 28, 1997. The fuel from the U.K. will be loaded aboard the vessel "Bouguenais" at a port in Scrabster, U.K. on March 1. The vessel will then proceed to a port in Cherbourg, France to load the remaining fuel from Italy on March 4, 1997. Both vessel will then proceed directly to the Charleston Naval Weapons Station (Weapons Station) in Charleston, SC; there will be no intermediate ports of call. The vessels are scheduled to arrive in Charleston on March 21, 1997.

The cargo will be discharged at the Naval Weapons Station, Charleston, SC on or about March 21, 1997. The cargo will then be transported by CSX Transportation railroad on the same date, in accordance with an NRC approved route, to the Department of Energy, Savannah River Site in Aiken, SC. The cargo is due to arrive at the destination on or about March 21, 1997.

In the event of changes to the above schedule, we will give your office advanced telephone notification.

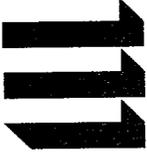
Please note that the schedule information contained in this letter must be protected in accordance with the provision of 10 CFR part 73.21.

+ 6 days

+ 11 days  
3/21/97

NMSS05 Public

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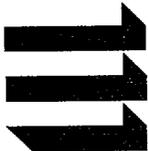
Shipper: Edlow International Company for:  
CIEMAT c/o U.K. AEA Technology  
ENEA  
Forschungszentrum Geesthacht  
Paul Scherrer Institute  
1666 Connecticut Ave., NW Suite 201  
Washington, DC 20009  
N. Ravenscroft or F. Oshinowo (202) 483-4959

Carrier: c/o Nuclear Cargo + Service  
Rodenbacher Chaussee 6  
Hanau Germany, 63457  
(49-61-81) 501-0

Carrier: c/o Transnucleaire Paris  
11 Rue Christophe Colomb  
(33-14) 069-7700

Carrier: CSX Transportation  
500 Water Street  
Jacksonville, FL 32202-4467  
(904) 359-1765

Receiver: U.S. Department of Energy  
Savannah River Site  
P.O. Box A  
Aiken, SC 29802  
(803) 952-4244



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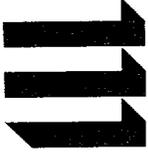
**CIEMAT**Shipment Description:

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 4,936.7 g (40 elements)
4. Radionuclide: U irradiated
5. Activity: 370 TBq
6. Physical/Chemical Form: Solid as aluminium-uranium alloy
7. Package Type: B(U)F (1 x IU04)
8. Labeled: Radioactive Yellow-III
9. Transport Index: 10 (estimated)
10. Placarded: Radioactive
11. U.S. / IAEA Certificate: USA/0100/B(U)F-85
12. French Certificate: F/007/B(U)F
13. Type of Reactor: Research
14. Original Enrichment: 93%

**ENEA**Shipment Description:

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 7,659.79 g (72 elements)
4. Radionuclide: U irradiated
5. Activity: 960 TBq
6. Physical/Chemical Form: Solid as aluminium-uranium alloy
7. Package Type: B(U)F (2 x IU-04)
8. Labeled: Radioactive Yellow-III
9. Transport Index: 10 (estimated)
10. Placarded: Radioactive
11. U.S. / IAEA Certificate: USA/0100/B(U)F-85
12. French Certificate: F/007/B(U)F
13. Type of Reactor: Research
14. Original Enrichment: 93%

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**Forschungszentrum Geesthacht**

Shipment Description:

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 3,314.13 g (33 elements)
4. Radionuclide: U irradiated
5. Activity: 2,148 TBq
6. Physical/Chemical Form: Solid as aluminium-uranium alloy
7. Package Type: B(U)F (1 x GNS-11)
8. Labeled: Radioactive Yellow-III
9. Transport Index: 10 (estimated)
10. Placarded: Radioactive
11. U.S. / IAEA Certificate: USA/0381/B(U)F-85
12. German Certificate: D/4224/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93%

**Forschungszentrum Geesthacht**

Shipment Description:

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 3,611.34 g (33 elements)
4. Radionuclide: U irradiated
5. Activity: 1,394 TBq
6. Physical/Chemical Form: Solid as aluminium-uranium alloy
7. Package Type: B(U)F (1 x GNS-11)
8. Labeled: Radioactive Yellow-III
9. Transport Index: 10 (estimated)
10. Placarded: Radioactive
11. U.S. / IAEA Certificate: USA/0381/B(U)F-85
12. German Certificate: D/4224/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93%

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**Paul Scherrer Institute**

Shipment Description:

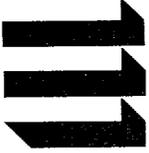
1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 5,793.33 g (53 elements)
4. Radionuclide: U irradiated
5. Activity: 4,787 TBq
6. Physical/Chemical Form: Solid as aluminium-uranium alloy
7. Package Type: B(U)F (1 x TN 7-2)
8. Labeled: Radioactive Yellow-III
9. Transport Index: 10 (estimated)
10. Placarded: Radioactive
11. U.S. / IAEA Certificate: USA/0371/B(U)F-85
12. German Certificate: D/4160/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 45%

**Paul Scherrer Institute**

Shipment Description:

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 8,185.20 g (39 elements)
4. Radionuclide: U irradiated
5. Activity: 7,981 TBq
6. Physical/Chemical Form: Solid as aluminium-uranium alloy
7. Package Type: B(U)F (1 x TN 7-2)
8. Labeled: Radioactive Yellow-III
9. Transport Index: 10 (estimated)
10. Placarded: Radioactive
11. U.S. / IAEA Certificate: USA/0371/B(U)F-85
12. German Certificate: D/4160/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 20%

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We regret to advise that at this time, accurate information regarding the transport index is not available. As soon as we have the information in hand, we will forward it to you immediately.

If additional data is required, please let us know.

Sincerely,

Franchone Oshinowo  
Spent Fuel Project Manager