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Edlow International Company
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100699-1

October 22, 1999

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

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23
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Ref: DOEX-TO-012 / SUMI-SFI-006 Irradiated Reactor Fuel Transport

Dear Ms. Bennington:

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

The shipments will consist of thirteen casks from four research reactors in Japan, Brazil and Venezuela. The fuel will depart the first facility, IPEN in Brazil, on or about November 3, 1999 for delivery to the port of Santos. The fuel which is contained in four casks will be loaded on board the vessel "Blue Bird" and the vessel will then sail to Venezuela on November 4. The Venezuelan fuel in one cask will depart the facility on or about November 16 and the vessel will sail from the port of Puerto Cabello on or about November 17. The vessel will proceed directly to the Naval Weapons Station, Charleston (Weapons Station), the port of discharge; there will be no intermediate stops along the route

The Japanese fuel which is loaded in eight casks will depart a facility in the U.K. on or about November 5 and be loaded aboard the vessel "Pacific Crane." The vessel is scheduled to sail from the port of Barrow on November 6 and will proceed directly to the Naval Weapons Station. Both vessels are due to arrive at Charleston on or about November 23, 1999.

Discharge of the loaded casks at the Weapons Station will occur on or about November 23, 1999. 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. Arrival at the destination will be on or about the same date of November 23, 1999.

NMSS05 Public

In the event of changes to the above schedule, we will give your office advanced telephone notification. We confirm that the governor's designee for the State of South Carolina will be notified in accordance with 10 CFR 73.37. Please note that the schedule information contained in this letter must be protected in accordance with the provision of 10 CFR part 73.21.

Shipper: Edlow International Company for:
Instituto de Pesquisas Energeticas e Nucleares
Instituto Venezolano de Investigaciones Cientificas
Japan Atomic Energy Research Institute
Kyoto University Research Reactor Institute
1666 Connecticut Ave., NW Suite 201
Washington, DC 20009
Franchone Oshinowo (202) 483-4959

Carrier: Poulsen Line
c/o Monsted Chartering
Naestved, Denmark, DK-4700
+45 (557) 27288

Carrier: Pacific Nuclear Transport Ltd.
c/o BNFL
Risley, Warrington, Cheshire WA36AS
United Kingdom
(44)1925.832.000

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

Instituto de Pesquisas Energeticas e Nucleares (Brazil)
Shipment Description:

1.Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235 :2902,8 g
4. Weight total Pu: 2,95 g
5. Radionuclides: U238, U235, and mixed fission products
6. Activity:9,4E14 Bq
7. Physical/Chemical Form: Solid UAl and UAlx-Al
8. Package Type: B(U)F GNS-11-001
9. Labeled: Radioactive Yellow-III
10. Transport Index: 0.1
11. Placarded: Radioactive
12. U.S. / IAEA Certificate:USA/0381/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93% max

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235 :3595.5 g
4. Weight total Pu: 66,2 g
5. Radionuclides: U238, U235, and mixed fission products
6. Activity:2,32E15 Bq
7. Physical/Chemical Form: Solid UAl and UAlx-Al
8. Package Type: B(U)F GNS-16-001
9. Labeled: Radioactive Yellow-III
10. Transport Index: 0.1
11. Placarded: Radioactive
12. U.S. / IAEA Certificate:USA/0551/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93% max

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235 :5236.4 g
4. Weight total Pu: 0.24 g
5. Radionuclides: U238, U235, and mixed fission products
6. Activity:3.96E11 Bq
7. Physical/Chemical Form: Solid UAl and UAlx-Al
8. Package Type: B(U)F GNS-16-002
9. Labeled: Radioactive Yellow-III
10. Transport Index: 0.1
11. Placarded: Radioactive
12. U.S. / IAEA Certificate:USA/0551/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93% max

Instituto Venezolano de Investigaciones Cientificas
Shipment Description

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 235.38 g
4. Weight total Pu: 2.74 g
5. Radionuclides: U235, U238, mixed fission products
6. Total Activity: 37.3 Ci
7. Physical/Chemical Form: Solid U-Al alloy
8. Package Type: B(U)F
9. Labeled: Radioactive Yellow-III
10. Transport Index: O.1
11. Placarded: Radioactive
12. U.S. / IAEA Certificate: USA/9228/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 20% max

Japan Atomic Energy Research Institute (JMTR)
Shipment Description

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 6,962.84 g
4. Weight total Pu: 140.42 g
5. Radionuclides: U235, U238, mixed fission products
6. Total Activity: 706 TBq
7. Physical/Chemical Form: Solid UAlx-Al
8. Package Type: B (JM-1)
9. Labeled: Radioactive Yellow-III
10. Transport Index: O.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate: USA/0401/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 94% max

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 6,983.65 g
4. Weight total Pu: 139.40 g
5. Radionuclides: U235, U238, mixed fission products
6. Total Activity: 766 TBq
7. Physical/Chemical Form: Solid UAlx-Al
8. Package Type: B (JM-2)
9. Labeled: Radioactive Yellow-III
10. Transport Index: O.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate: USA/0401/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 94% max

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 7,034.60 g
4. Weight total Pu: 137.76 g
5. Radionuclides: U235, U238, mixed fission products
6. Total Activity: 708 TBq
7. Physical/Chemical Form: Solid UAlx-Al
8. Package Type: B (JM-3)
9. Labeled: Radioactive Yellow-III
10. Transport Index: O.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate: USA/0401/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 94% max

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235: 4,474.26 g
4. Weight total Pu: 100.39 g
5. Radionuclides: U235, U238, mixed fission products
6. Total Activity: 534 TBq
7. Physical/Chemical Form: Solid UAlx-Al
8. Package Type: B (JM-4)
9. Labeled: Radioactive Yellow-III
10. Transport Index: O.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate: USA/0401/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 94% max

Japan Atomic Energy Research Institute (JRR)
Shipment Description

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235 : 4,120.36 g
4. Weight total Pu: 136.02 g
5. Radionuclides: U238, U235, and mixed fission products
6. Activity: 4,430.2 TBq
7. Physical/Chemical Form: Solid UAlx Alloy
8. Package Type: B(U)F JRR-S1B61
9. Labeled: Radioactive Yellow-III
10. Transport Index: 0.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate:USA/0208/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93% max

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235 : 4,173.49 g
4. Weight total Pu: 133.77 g
5. Radionuclides: U238, U235, and mixed fission products
6. Activity: 4,329.9 TBq
7. Physical/Chemical Form: Solid Ualx Alloy
8. Package Type: B(U)F JRR-S2B61
9. Labeled: Radioactive Yellow-III
10. Transport Index: 0.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate:USA/0208/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93% max

Kyoto University Research Reactor Institute
Shipment Description

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235 : 3,786.46 g
4. Weight total Pu: 11.98 g
5. Radionuclides: U238, U235, and mixed fission products
6. Activity: 159.81 TBq
7. Physical/Chemical Form: Solid UAlx Alloy
8. Package Type: B(U)F KU-1
9. Labeled: Radioactive Yellow-III
10. Transport Index: 0.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate:USA/0558/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93% max

1. Shipping Name: Radioactive material, fissile, n.o.s., 7
2. UN ID No.: 2918
3. Weight U235 : 3,503.96 g
4. Weight total Pu: 11.03 g
5. Radionuclides: U238, U235, and mixed fission products
6. Activity: 166.91 TBq
7. Physical/Chemical Form: Solid UAlx Alloy
8. Package Type: B(U)F KU-2
9. Labeled: Radioactive Yellow-III
10. Transport Index: 0.2
11. Placarded: Radioactive
12. U.S. / IAEA Certificate:USA/0558/B(U)F-85
13. Type of Reactor: Research
14. Original Enrichment: 93% max

Please let us know if you need additional information.

Sincerely,

Franchione Oshinowo