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L21209

August 12, 1999

Mr. John Cook  
U. S. Nuclear Regulatory Commission  
Spent Fuel Project Office M/S 0-6F 18  
11555 Rockville Pike  
Rockville, MD 20852-2738  
Phone 301-415-8524

Re: Advance Notice

Dear Mr. Cook,

NAC International (NAC) is the transportation contractor for the US Department of Energy's upcoming shipment of spent fuel being returned to the United States from several European reactors. In accordance with the requirements of 10CFR73.37(f), NAC hereby makes advance notification of a shipment of irradiated nuclear reactor fuel. This shipment notification involves the first 3 of 5 casks to be transported as part of this project.

Specific information regarding the shipment is as follows:

1. Shippers:

1.1 Germany  
GNS-16-02 Cask  
MHH Medizinische Hochschule Hannover  
Carl-Neuberg-Str. 1  
D-30625 Hannover, Germany

1.2 Romania  
NAC-LWT-4  
Romanian Power Authority  
Institute for Nuclear Research  
P O Box 78  
Pitesti, Romania

1.3 Slovenia  
NAC-LWT-2  
Jozef Stefan Institute  
Reactor Center Jamova 39 pp 100  
1000 Ljubljana, Slovenia



NMSS05 Public

2. Receiver:

US Department of Energy % Lockheed Martin Idaho  
INEEL/INTEC/CCPP-603  
Scoville, ID 83415  
POC: Reed Fanning (208) 526-3007

3. Carrier:

Tri-State Motor Transit (Trism)  
P O Box 113  
Joplin, MO 64802  
POC: Randy Ledford 803-794-7188

4. Material Description:

4.1 Germany

- 4.1.1 Package: GNS-16-02 Cask, Competent Authority USA/0551/B(U)F-85, Rev. 1
- 4.1.2 Description: Fuel Elements, Solid, TRIGA Rods with SS and Al cladding.
- 4.1.3 Quantity: 76 Rods
- 4.1.4 Total Uranium: 15,000 g
- 4.1.5 Total Plutonium: 10g
- 4.1.6 Reactor Type: TRIGA
- 4.1.7 Original Enrichment: 18.67 %

4.2 Romania

- 4.2.1 Package: NAC-LWT-4, Competent Authority USA/9225/B(U)85, Rev. 17
- 4.2.2 Description: Fuel Rods, Solid, TRIGA Rods with SS cladding.
- 4.2.3 Quantity: 267 Rods
- 4.2.4 Total Uranium: 6,437.61 g
- 4.2.5 Total Plutonium: 7.41 g
- 4.2.6 Reactor Type: TRIGA
- 4.2.7 Original Enrichment: Mixed, up to 93.0 %

4.3 Slovenia

- 4.3.1 Package: NAC- LWT-2, Competent Authority USA/9225/B(U)85, Rev. 17
- 4.3.2 Description: Fuel Rods, Solid, TRIGA Rods with SS and Al cladding.
- 4.3.3 Quantity: 120 Rods
- 4.3.4 Total Uranium: 3,603 g
- 4.3.5 Total Plutonium: 118 g
- 4.3.6 Reactor Type: TRIGA
- 4.3.7 Original Enrichment: Mixed, up to 70.0 %

5. Mode:

This shipment originated in Germany, Romania, and Slovenia. Truck transport was utilized to transport the fuel from the origin reactors to ports in Denmark and Slovenia. Charter vessel was used to bring the fuel to the US. Train transport brought the fuel from Charleston to SRS. Tri-State Motor Transit will provide trucks and trailers to transport the fuel from SRS to the DOE facility at Idaho Falls, Idaho. The routing will be consistent with that approved by the NRC. The routing is as follows:

SC: SC-125, SC28

GA: GA28, I-520, I-20, I-285, I-75, I-24

TN: I-75, I-24, I-75, I-440, I-65, I-24  
KY: I-24  
IL: I-24, I-57, I-74, I-474, I-74, I-80  
IA: I-80, I-680  
NE: I-680, I-80  
WY: I-80  
UT: I-80, I-84, I-15  
ID: I-15, US-26, US-20

6. Commence:

It is estimated that the shipment will depart SRS at 1800 hours on 08/25/99.

7. Arrival:

It is estimated that the shipment will arrive INEEL at 0800 hours on 08/28/99.

8. Notifications:

All notifications will be made in accordance with 10CFR73.72 and 73.37(f).

9. Escorts:

Escorts will be provided in accordance with our June 3, 1999 proposed route plan.

Please call me at (770) 447-1144, ext. 298. As an alternate, please contact Roy Boyd or Dixon Parker at the same number.

Sincerely,



Blake R. Williams  
Manager, Transportation Management