

August 12, 1999

L21209
DOE-EW60633

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

**Subject: Task Order #08, Return of Spent Nuclear Fuel from Romania to
Slovenia**

Dear Mr. Cook:

Enclosed please find safeguards information pertaining to the subject shipment for the U. S. Department of Energy. Due to the sensitive nature of this information, please ensure the addressee only opens it.

If you have any questions or need additional information I can be reached at (770) 447-1144 or via e-mail at bwilliams@nacintl.com.

Sincerely,



Blake R. Williams
Manager of Transportation
Site and Transportation Services

BRW:sms

Enclosure

ST991347

NMSSOS Public

EW60633-05



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655 Engineering Drive
Norcross, Georgia 30092
770-447-1144
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221AED

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

Rec'd
8/31/99

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 final 2 of 5 casks to be transported as part of this project. Specific information regarding the shipment is as follows:

- 1. Shippers:
 - 1.1 Slovenia
NAC-LWT-2
Jozef Stefan Institute
Reactor Center Jamova 39 pp 100
1000 Ljubljana, Slovenia
 - 1.2 Italy
NAC-LWT-1
C. R. Casaccia, Via Anguillarese
00060 S. Maria Di Galeria
Rome, Italy
- 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 Slovenia

- 4.1.1 Package: NAC-LWT-5, Competent Authority USA/9225/B(U)85, Rev. 17
- 4.1.2 Description: Fuel Elements, Solid, TRIGA Rods with SS and Al cladding.
- 4.1.3 Quantity: 98 Rods
- 4.1.4 Total Uranium: 5,239 g
- 4.1.5 Total Plutonium: 59.0 g
- 4.1.6 Reactor Type: TRIGA
- 4.1.7 Original Enrichment: Mixed up to 93.0 %

4.2 Italy

- 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: 140 Rods
- 4.2.4 Total Uranium: 5,261.5 g U235
- 4.2.5 Total Plutonium: < 51g
- 4.2.6 Reactor Type: TRIGA
- 4.2.7 Original Enrichment: 20.0 %

5. Mode:

This shipment originated in Slovenia and Italy. Truck transport was utilized to transport the fuel from the origin reactors to a port in 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 08/28/99.

7. Arrival:

It is estimated that the shipment will arrive INEEL at 0200 hours on 08/31/99.

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