

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT

(See Instructions on Reverse)

Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. APPLICANT'S USE →		a. DATE OF APPLICATION 10/17/2002		b. APPLICANT'S REFERENCE MNF-DUF6		2. NRC USE →		a. DOCKET NUMBER 11005369		b. LICENSE NUMBER X3008790	
3. APPLICANT'S NAME AND ADDRESS a. NAME Transport Logistics International, Inc. b. STREET ADDRESS (Facility Site) 4000 Blackburn Lane, Suite 250 c. CITY Burtonsville d. STATE MD e. ZIP CODE 20866 f. TELEPHONE NUMBER (Area Code - Number - Extension) 301-421-4324						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier) a. NAME Please see Attachment A b. STREET ADDRESS U.S. Enrichment Corp c. CITY Peters/Palau d. STATE e. ZIP CODE					
5. FIRST SHIPMENT SCHEDULED December 2002		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE 2 years from date of issue		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (if known) EC-SC01-02DF08321			
10. ULTIMATE FOREIGN CONSIGNEE a. NAME Please see Attachment A b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY Japan						11. ULTIMATE END USE (Include plant or facility name) Please see Attachment B Test material for the test operation in the Rokkasho Nuclear Fuel Reprocessing Plant 11a. DATE REQUIRED 2007					
12. INTERMEDIATE FOREIGN CONSIGNEE a. NAME Please see Attachment A b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY Japan						13. INTERMEDIATE END USE Please see Attachment B 13a. DATE REQUIRED					
14. INTERMEDIATE FOREIGN CONSIGNEE a. NAME b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY						15. INTERMEDIATE END USE 15a. DATE REQUIRED					
16. COM CODE		17. DESCRIPTION (Include chemical and physical form of nuclear material, give dollar value of nuclear equipment and components.) Depleted Uranium as Uranium Hexafluoride (DUF6)				18. MAX. ELEMENT WEIGHT 25,983.0		19. MAX. WT. % 0.32	20. MAX. ISOTOPE WEIGHT		21. UNIT Kg
22. COUNTRY OF ORIGIN - SOURCE MATERIAL United States of America			23. COUNTRY OF ORIGIN - SNM WHERE ENRICH OR PRODUCED United States of America			24. COUNTRIES WHICH ATTACH SAFEGUARDS (if known)					
25. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary) XSOU8790 Appl ML022960215 10/24											
26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations; and ... correct to the best of his/her knowledge.											
27. AUTHORIZED OFFICIAL a. SIGNATURE Melissa Mann						b. TITLE Director, Research & Consulting					

Attachment A

Box #4 Supplier's Name and Address
United States Enrichment Corporation Portsmouth Gaseous Diffusion Plant 3930 State Route 23 Piketon, Ohio 45661
United States Enrichment Corporation Paducah Gaseous Diffusion Plant 5600 Hobbs Road Paducah, Kentucky 42002

Box #10 Ultimate Foreign Consignee	Box #11 Ultimate End Use
Mitsubishi Nuclear Fuel Co., Ltd. 622-1, Funaishikawa, Tokai-mura, Naka-Gun, Ibaraki Prefecture, 319- 1197, Japan	Please see Attachment B

Box #12 Intermediate Foreign Consignee	Box #13 Intermediate End Use
Mitsubishi Nuclear Fuel Co., Ltd. 622-1, Funaishikawa, Tokai-mura, Naka-Gun, Ibaraki Prefecture, 319- 1197, Japan	Please see Attachment B

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Attachment B

1. Purpose of Utilization of Depleted Uranium

Depleted Uranium is to be used as the test material for the test operation in the Rokkasho Nuclear Fuel Reprocessing Plant currently under construction by Japan Nuclear Fuel Ltd. in Rokkasho-Mura, Aomori, Japan.

The facilities is now in the "Water-Test Phase", followed by the "Chemical-Test Phase", the "Uranium-Test Phase" and the "Active-Test Phase" and is planned to be in commercial operation in 2005.

The Uranium-Test is to be performed using depleted Uranium solution, which is less radioactive but having similar properties to irradiated Uranium fuel, to confirm the design parameters being met in the actual equipments before the Active-Test utilizing actual spent fuels.

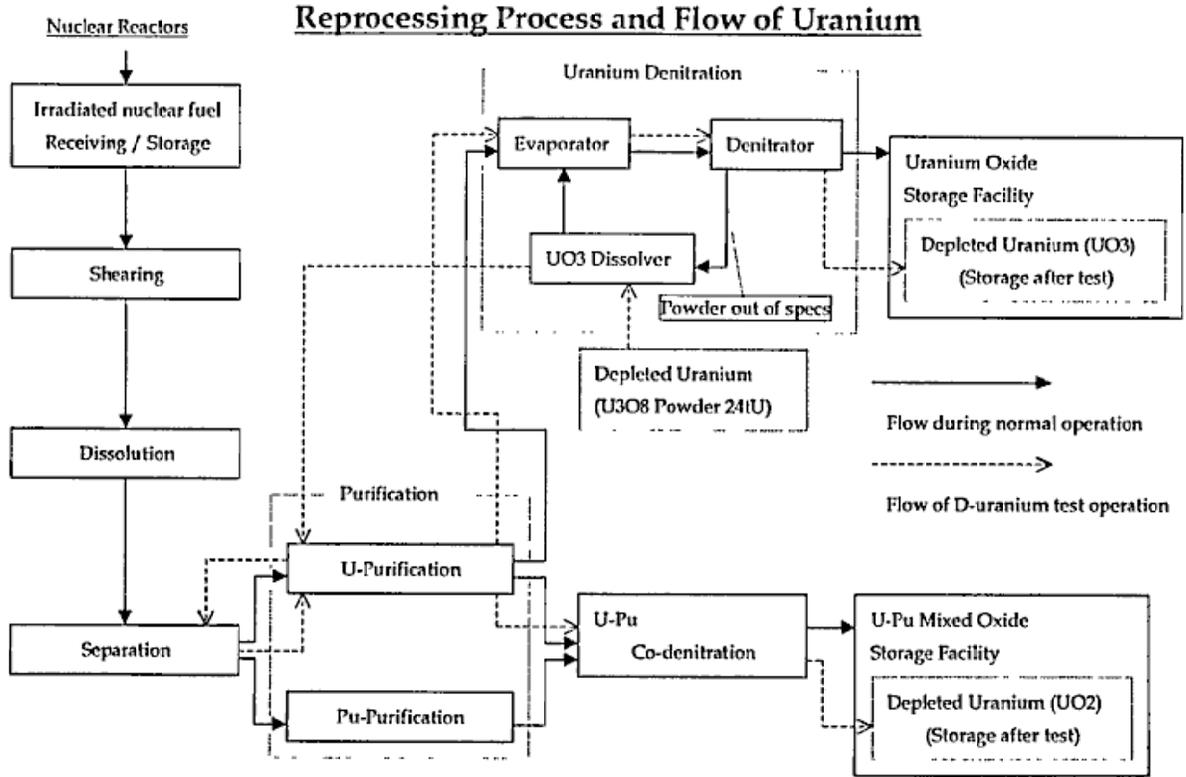
1. The way of utilization

Depleted Uranium in the form of U308 powder is to be dissolved by nitric acid in the U83 Dissolver vessel (designed to dissolve Uranium powder products out of specifications) in the Uranium Denitration Facility. From the U83 Dissolver Vessel, uranyl nitrate solution will be supplied into the Purification Facility, then to the Separation Facility and the Uranium-plutonium Co-denitration Facility. Then tests will be performed in these facilities.

After the tests are finished, some part of uranyl nitrate solution should be kept in the Separation Facility and the Purification Facility for being used during the succeeding "Active-Test Phase". The rest will be transferred to the Uranium Denitration Facility and to the Uranium-plutonium Co-denitration Facility. In these facilities the solution is transformed into uranium oxide and finally stored in the Uranium Oxide Storage Facility and in the Uranium-plutonium Mixed Oxide Storage Facility.

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Attachment B Reprocessing Process and Flow of Uranium



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Transport Logistics International, Inc.
4000 Blackburn Lane, Suite 250
Burtonsville, MD 20866 U.S.A.

October 17, 2002

Ms. Betty Wright
OIP/NEMR
Mail Stop 4E 9
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852-2738

Dear Ms. Wright:

Please find enclosed an application requesting authorization to export depleted uranium as uranium hexafluoride (DUF_6) to Japan for use as test material at the Rokkasho Nuclear Fuel Reprocessing Plant currently under construction. The end-user has provided additional clarification regarding the ultimate and intermediate end-uses of the material. (This information is contained in Attachment B.) All information contained in this application is considered non-proprietary and as a result, no confidentiality treatment is requested.

Additionally, our Japanese customer has certified that the material to be exported under this license is of United States origin and was not processed in any other country prior to entering the United States.

Pursuant to the *Federal Register* notice dated June 24, 2002, please also find enclosed the license fee of \$9,900.

Please do not hesitate to contact Melissa Mann or myself at (301) 421-4324 with any questions or comments you may have in this regard. We appreciate your assistance in this matter.

Best regards,


Michael McKloskey
International Affairs Specialist

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