

NRC FORM 7

(6-2006)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 06/30/2009

APPLICATION FOR NRC EXPORT/IMPORT
LICENSE, AMENDMENT, OR RENEWAL

(See Instructions on Page 5)

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 and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@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.

PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	DATE RECEIVED 3-1-07
LICENSE NUMBER XSNM 3485	DOCKET NUMBER 1/005675	ADAMS ACCESSION NUMBER	

PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

1. NAME AND ADDRESS OF APPLICANT/LICENSEE U. S. Department of Energy New Brunswick Laboratory 9800 South Cass Avenue Building 350 Argonne, Illinois 60439	1a. NAME OF APPLICANT'S CONTACT Heidi Williams	1b. APPLICANT'S REFERENCE NUMBER 07-013
	1c. PHONE NUMBER (630) 252-2767	1d. FAX NUMBER (360) 252-4146
	1e. E-MAIL ADDRESS heidi.williams@ch.doe.gov	

2. TYPE OF NRC LICENSE REQUESTED (Check One)

- ☒ EXPORT (Parts B, C, E)
 ☐ IMPORT (Parts B, D, E)
 ☐ COMBINED EXPORT/IMPORT (Parts B, C, D, E)
 ☐ AMENDMENT/RENEWAL Existing License Number:

3. CONTRACT NUMBER(S) 07-013	4. FIRST SHIPMENT DATE 05/01/2007	5. LAST SHIPMENT DATE 12/31/2007	6. PROPOSED EXPIRATION DATE 12/31/2007
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PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT Transnuclear, Inc. 7135 Minstrel Way Suite 300 Columbia, Maryland 21045	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) Transnuclear, Ltd. 18-16, 1-Chome, Shinbashi, Minato-ku, Tokyo, 105-0004 JAPAN <i>Payment rec'd 4-11-07 RB</i>	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Japan Nuclear Fuel Limited 4-108, Aza Okitsuke, Oaza Obuchi, Rokkasho-mura, Kamikita-gun, Aomori-ken, 039-3212 JAPAN <i>Rec'd 3-1-07 RB</i>	
7a. LIST FUNCTIONS PERFORMED/SERVICE PROVIDED Forwarding Agent	8a. INTERMEDIATE USE(S) Forwarding Agent	9a. ULTIMATE END USE(S) Reference Material	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS Natural Uranium as Solid, Metal High Enriched Uranium as Solid, Metal	10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 0.200 kg 0.0384 kg	10b. MAX ENRICHMENT OR WGT % N/A 93% enriched	10c. MAX ISOTOPE WGT (KG) N/A 0.0357 kg
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) N/A			

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LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE CONSIGNEE(S)	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	
	13b. INTERMEDIATE USE(S)	14b. INTERMEDIATE USE(S)	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %	15c. MAX ISOTOPE WGT (KG)


*Rec'd
3-1-07
RB*

16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.

18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Jon Neuhoff, Laboratory Director New Brunswick Laboratory	18b. SIGNATURE -- AUTHORIZED OFFICIAL 	18c. DATE 2/22/07
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NON-PUBLIC

ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

9a: The consignee, Japan Nuclear Fuel Limited, will use the Uranium reference materials, CRM 112A (Natural Uranium) and CRM 116 (High Enriched Uranium) to manufacture large size dried (LSD) spikes. The LSD spikes will be used at the Rokkasho Re-processing Plant for carrying out the Isotope Dilution Mass Spectrometry (IDMS) method, which is adopted as the facility's material accountancy analysis. The analysis device to be used for IDMS is a Thermal Ionization Mass Spectrometer (TIMS).

Rec'd 3-1-07
RB



Margaret Doane, Deputy Director
Office of International Programs
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

February 22, 2007

SUBJECT: NRC FORM 7 APPLICATION

Dear Ms. Doane

Enclosed is a completed NRC Form 7 application for exporting materials to Japan Nuclear Fuel Ltd (JNFL). JNFL has requested these materials for use at their Rokkasho Reprocessing Plant. The materials will be used to create reference materials (large size dried spikes) to establish inventory values for the uranium and plutonium content of reprocessed fuels. The reprocessing plant, materials and measurements are under international safeguards via agreement with the International Atomic Energy Agency (IAEA). Additionally, the U.S. Department of Energy and Japan Atomic Energy Agency (JAEA) have signed an international agreement regarding material safeguards and protection. As part of that agreement, the New Brunswick Laboratory is assisting JAEA in the production of reference materials to be used at Rokkasho for oversight.

Because the Rokkasho plant is completing active testing and plans on commercial operation beginning this summer, the acquisition of these important reference materials is very important for JNFL, JAEA, and the IAEA. We respectfully request that the license application be processed as quickly as reasonably achievable.

Best regards,

A handwritten signature in black ink, appearing to read "Jon Neuhoff". The signature is fluid and cursive, with the first name "Jon" being more prominent.

Jon Neuhoff
Laboratory Director

Rec'd
3-1-07
RB