

NRC FORM 7 (8-2011) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027 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 Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@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.		EXPIRES: 08/31/2012	
APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (See Instructions on Pages 4 and 5)							
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED <div style="font-size: 1.5em;">8-1-12</div>			
LICENSE NUMBER <div style="font-size: 1.5em;">XSNM3726</div>		DOCKET NUMBER <div style="font-size: 1.5em;">11006037</div>		ADAMS ACCESSION NUMBER			
PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS (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 (DOE) National Nuclear Security Administration (NNSA) Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831		1a. NAME OF APPLICANT'S CONTACT Becky G. Eddy 1c. PHONE NUMBER <div style="text-align: center;">(865) 576-4119</div> 1e. E-MAIL ADDRESS eddybg@yso.doe.gov		1b. APPLICANT'S REFERENCE NUMBER AECL-EU12 1d. FAX NUMBER <div style="text-align: center;">(865) 574-0492</div>			
2. TYPE OF ACTION REQUESTED (Check One)							
<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> EXPORT (Parts B, C, E) </div> <div> <input type="checkbox"/> IMPORT (Parts B, D, E) </div> <div> <input type="checkbox"/> AMENDMENT/RENEWAL Current License Number: </div> <div> <input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number: </div> </div>							
3. CONTRACT NUMBER(S) NNSASC11Y121206		4. FIRST SHIPMENT DATE 08/31/2012		5. LAST SHIPMENT DATE 4/30/2013		6. PROPOSED EXPIRATION DATE 08/31/13	
PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, RENEWALS OR CONSENTS (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 DOE NNSA Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Atomic Energy of Canada Limited (AECL) Chalk River Laboratories Chalk River, Ontario K0J 1J0 Canada			
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Supplier/Transportation		8a. INTERMEDIATE USE(S)		9a. ULTIMATE END USE(S) Targets for Medical Isotope Production			
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT 7.0 kg uranium-235 contained in maximum of 7.5 kg uranium, enriched to maximum of 93.35%, in the form of broken metal		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 7.5 kg		10b. MAX ENRICHMENT OR WGT % 93.35 %		10c. MAX ISOTOPE WGT (KG) 7.0 kg	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) 100% US Obligation							

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U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

LICENSE NUMBER XS NM 3726	DOCKET NUMBER 11006037	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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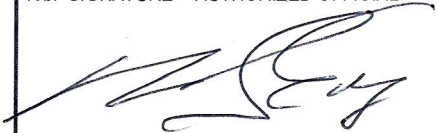
PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

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 U. S. 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. ULTIMATE END 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)
16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)			

PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)

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 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 Becky G. Eddy DOE NNSA Production Office, Program Manager	18b. SIGNATURE -- AUTHORIZED OFFICIAL 	18c. DATE 7/30/2012
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(8-2011)
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U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL OR CONSENT REQUEST(S) (Continued)

LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input checked="checked" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
XENM3726	11006037		

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

Part B. 4 and 5: Dates do not reflect actual ship dates. Time-frame indicated for shipment to support target fabrication, target irradiation, and processing schedules to meet isotope production demand.

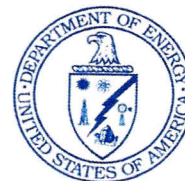
Page 1, Blocks 7 and 7a - Other Parties to the Export:
B&W Y-12 LLC (DOE/NNSA Contractor)
301 Bear Creek Road
Oak Ridge, TN 37931

Page 1, Block 9a - For use in the fabrication of targets to be irradiated in the National Research Universal (NRU) reactor for the production of medical isotopes.

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AUG 01 2012



U.S. Department of Energy
NNSA Production Office
Post Office Box 2050
Oak Ridge, Tennessee 37831-8009



July 30, 2012

Mr. Scott W. Moore, Deputy Director
Office of International Programs
U. S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, Maryland 20852-2738

Dear Mr. Moore:

EXPORT LICENSE APPLICATION FOR THE DEPARTMENT OF ENERGY SHIPMENT OF ENRICHED URANIUM TO ATOMIC ENERGY OF CANADA LIMITED FOR USE IN THE NATIONAL RESEARCH UNIVERSAL REACTOR LOCATED IN CHALK RIVER, CANADA

Enclosed is a Department of Energy application for a license to export enriched uranium to the Atomic Energy of Canada Limited (AECL) located in Chalk River, Canada (Enclosure 1). This export license is required to provide enriched uranium feedstock to AECL under Contract Number NNSASC11Y121206 solely for use in the fabrication of targets to be irradiated in the National Research Universal (NRU) reactor for medical isotope production.

The export license application (NRC Form 7), included as Enclosure 1, has been determined to be unclassified, non-sensitive and can be made available to the public. Enclosure 2 includes additional AECL information that will be used by United States Government agencies to evaluate AECL's requirement for the enriched uranium (current supply, demand, and usage rates). Enclosure 2 contains sensitive and business proprietary information and cannot be released to the public.

An Interagency Agreement, DE-AI52-09NA28981, between the National Nuclear Security Administration (NNSA) and Nuclear Regulatory Agency (NRC) was executed on April 15, 2009, for NRC export licensing services and fees, and sufficient funds are available for processing this export license. A copy of the current agreement can be sent to the NRC under separate cover as required.

In the interest of promoting reliable supplies of medical isotopes for public health, the NNSA Production Office requests that the NRC expedite the review process to support scheduled delivery dates.

If you have any questions or require additional information, please contact me at (865) 576-4119 or eddybg@yso.doe.gov.

Sincerely,

Becky G. Eddy
Program Manager
NNSA Production Office, Y-12

Enclosures:
NRC Form 7 (AECL HEU12)
AECL Additional Information (7/24/12)

July 30, 2012

Mr. Steve W. Moore

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cc w/enclosure:

T. Nelson, 301BCR, MS 8112, B&W Y-12

Kathy Leroux, AECL, Chalk River Laboratories

cc w/o enclosure:

P. Kirby, NPO-50, Y-12