

<b>NRC FORM 7</b> (6-2006) 10 CFR 110		<b>U.S. NUCLEAR REGULATORY COMMISSION</b> <b>APPROVED BY OMB: NO. 3150-0027</b> <b>EXPIRES: 06/30/2009</b> <small>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.</small>	
<b>APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL</b> <i>(See Instructions on Page 5)</i>			
<b>PART A. FOR NRC USE ONLY</b>		<input type="checkbox"/> PUBLIC <b>OR</b> <input type="checkbox"/> NON-PUBLIC	
LICENSE NUMBER <b>XMAT0402-1</b>	DOCKET NUMBER	DATE RECEIVED	
ADAMS ACCESSION NUMBER			
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS</b> <i>(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)</i>			
1. NAME AND ADDRESS OF APPLICANT/LICENSEE  Cambridge Isotope Laboratories, Inc. 50 Frontage Road Andover, MA 01810 Attn: Leonard Solo		1a. NAME OF APPLICANT'S CONTACT Leonard Solo  1c. PHONE NUMBER (978) 749-8000  1e. E-MAIL ADDRESS lens@isotope.com	
1b. APPLICANT'S REFERENCE NUMBER		1d. FAX NUMBER (978) 749-2768	
2. TYPE OF NRC LICENSE REQUESTED <i>(Check One)</i>  <input type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input type="checkbox"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) <input checked="" type="checkbox"/> AMENDMENT/RENEWAL Existing License Number: XMAT0402			
3. CONTRACT NUMBER(S)	4. FIRST SHIPMENT DATE 10/01/2007	5. LAST SHIPMENT DATE 09/30/2012	6. PROPOSED EXPIRATION DATE 09/30/2012
<b>PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS</b> <i>(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)</i>			
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)	
9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)  Ontario Power Generation Inc. NWOD, Building #23 (F2) @OBB, Concession 4, Bruce Township Tiverton, Ontario, Canada N0G 2T0 (temporary storage)			
7a. LIST FUNCTIONS PERFORMED/SERVICE PROVIDED	8a. INTERMEDIATE USE(S)	9a. ULTIMATE END USE(S) Up grade for future sales	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS  Heavy Water (down graded) (Deuterium Oxide; chemical formula: D2O)	10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 50,000.0 Kilograms	10b. MAX ENRICHMENT OR WGT % 99.9%	10c. MAX ISOTOPE WGT (KG) 50,000.0 Kilograms  <div style="text-align: right; font-size: 1.5em; transform: rotate(-15deg);"> <i>Rec'd 5-17-07 RB</i> </div>
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) Canada 100%			

NRC FORM 7  
(6-2006)  
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

# **APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (Continued)**

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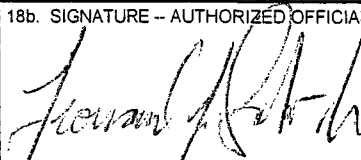
## **PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS** (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

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)
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 type="checkbox"/> YES <input checked="" 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 Leonard J. Solo, Jr. Purchasing Manager	18b. SIGNATURE -- AUTHORIZED OFFICIAL 	18c. DATE 05/03/2007
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*Rec'd  
5-17-07  
RB*