•							·		
APPLICATION FOF	Estimated burden per res submittal is reviewed to are satisfied. Send con Services Pranch (T-5 F5 or by internet e-mail to I Regulatory Affairs, NEO	APPROVED BY OMB: NO. 3150-0027 EXPIRES: 06/30/2009 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 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.							
(See Instructi	OMB control number, to								
PARTA, FOR NRC USE O	NEY	₽ P	UBLIC (O)	R NON PUBLIC	DATE RE	ceived /0.			
ICENSE NUMBER XHAT409		DOCKET	005	753	ADAMS/	ACCESSIÓN NÚN	MBER:		
PART B. TO BE COM (If more space is need	MPLETED For	OR ALI	LICENSE le items, use F	S, AMENDMENTS, Pages 3-4 first, and then a	RENEW	ALS OR NO	TIFICATIONS necessary.)		
I. NAME AND ADDRESS OF APPLICANT/LICENSEE				APPLICANT'S CONTACT	1	1b. APPLICANT'S REFERENCE NUMBER			
CAMBRIDGE ISOTOPE			1c. PHONE NU	NARD J. SOLO,		R. 1d. FAX NUMBER			
LABORATORIES, INC.				(978) 749-8000	· "	(978) 749-2768			
50 FRONTAGE ROAD			1e. E-MAIL ADDRESS						
ANDOVER, MA 01810-5413			LENS@ISOTOPE.COM						
(Parts B, C, E) EXPORINCIDE RADIO	ICATION OF RT OF	[(I	MPORT Parts B, D, E)	COMBINED EXF (Parts B, C, D, E			ENDMENT/RENEWAL sting License Number:		
CONTRACT NUMBER(S)	4. FIRST SHIPM			5. LAST SHIPMENT DATE	ST SHIPMENT DATE 6. PR		OPOSED EXPIRATION DATE		
	10/01/2008			12/31/201	18	12/31/2018			
PART C. TO BE COMPLE (If more space is need	TED FOR E	XPORT any of the	ONLY OR	R COMBINED LICEN Pages 3-4 first, and then a	ISES, Al	MENDMENT tional sheets, if	S, OR RENEWALS		
NAME(S) / ADDRESS(ES) OF SUPPLIERS 8. NAME(S) / AD				ES) OF INTERMEDIATE	9. NAME	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)			
CIL SEPARATIONS, LLC						EURISO-TOP			
1689 BURNETT DRIVE						PARC DES ALGORITHMES			
XENIA, OH 45385						RTE DE L'ORME			
·					F-91194 SAINT AUBIN				
						CEDEX, FRANCE			
							٠.		
• • • • • • • • • • • • • • • • • • • •	FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED WAREHOUSING; SHIPPING- 89. INTERMEDIATE USE(S)			÷ .	RAW MATERIAL; SALES				
10. DESCRIPTION OF RADIOACTIVE N NUCLEAR FACILITIES, EQUIPMEN NUCLEAR EQUIPMENT INCLUDE EQUIPMENT FOR EXPORT	T, OR COMPONE	ENTS; FOR	₹	a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)		X ENRICHMENT WGT %	10c. MAX ISOTOPE WGT (KG)		
DEUTERIUM			8,600.0 KG		99.99	% D	8,600.0 KG		
(<2.0 microCi/KG)			ĺ	-			\		
In the forms of: Deuterium gas (chemical							12,9		
formula: D2) and Deuterium Oxide				•			1/16/ 2/		
(chemical formula: D2	•				<u></u> _		, 6,		
11. FOREIGN OBLIGATIONS (BY COUI FRANCE 100%	VIKY AND BY PE	ERCENTA	SE OF MAXIMU	JM TOTAL VOLUME)					

NRC FORM 7 (8-2007)

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•				Page 2 of 2	
NRC FORM 7 (8-2007) 10 CFR 110			U.S. NUCLEAR REGU	ILATORY COMMISSI	
APP		R NRC EXPORT/IM T, OR RENEWAL (
LICENSE NUMBER DOCKET NUM XMAT 4 0 9 //00	1BER 753	DAMS ACCESSION NUMBER	PUBLIC OR	NON-PUBLIC	
PART D. TO BE COMPLETED FOR (If more space is needed to complete					
12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRE CONSIGNEE(S)	ESS(ES) OF INTERMEDIATE	14. NAME(S) / ADDRESS(E: CONSIGNEE(S)	S) OF ULTIMATE	
	,				
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMB	ER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)		
	13b. INTERMEDIATE	USE(S)	14b. ULTIMATE END USE(S	5)	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, S NUCLEAR FACILITIES	SEALED SOURCES,	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 MA	XIMUM TOTAL VOLUME)			
PART E. TO BE CON	IPLETED FOR A	LL LICENSES, AMEND	MENTS, OR RENEV	VAĽŚ	
17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS?	YES V NO	17a. COPIES OF REC AUTHORIZATION		YES / NO	
18. CERTIFICATION: I, the applicant's Code of Federal	authorized official, Regulations, and the	hereby certify that this app hat all information provided	lication is prepared in a	conformity with Title of my knowledge.	

18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL

PURCHASING MANAGER

LEONARD J. SOLO, JR.

18c. DATE

06/20/2008





Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA PH: 800.322.1174 (N. AMERICA) PH: 978.749.8000 FAX: 978.749.2768 WEB: www.isotope.com

Received 6/27/08 XMAT409 PM //005753

June 20, 2008

Stephen Baker
(301) 415-3329
Robyn Barnes
(301)415-3433
U.S. Nuclear Regulatory Commission
One White Flint-North
Mail Stop: 0-4E21
11555 Rockville Pike
Rockville, MD 20852

Dear Mr. Baker & Ms. Barnes;

Please find the enclosed NRC FORM 7 Application for a Specific Export License and NRC FORM 629 Authorization for Payment by Credit Card.

CIL is applying for a Specific Export License to export **Deuterium** (low tritium content; non-radioactive), in the forms of Deuterium gas and Deuterium Oxide (heavy water), to CIL's subsidiary company in France, Euriso-Top. The Deuterium will be used to support sales efforts of Euriso-Top in Europe and also used by Euriso-Top as raw materials for their manufacture of stable isotope labeled chemicals.

Please let me know if there are any questions about the application. Thank you for your assistance.

Best Regards,

Leonard J. Solo, Jr., C.P.M.

Purchasing Manager