

UNITED STATES NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

JUL 2 3 1997_

Mr. Robin DeLaBarre
Office of Nuclear Energy Affairs
Bureau of Political Military Affairs
U.S. Department of State
Washington, DC 20520

Dear Mr. DeLaBarre:

Enclosed is an application for an export license (XMAT0395), recently received by the Nuclear Regulatory Commission, for the export of deuterium oxide (heavy water) to Canada for upgrade and return to the U.S. exporter, Cambridge Isotopes.

Even though Executive Branch views are not required for the export of heavy water to Canada, we wanted to advise you of the receipt of the application for a license. We intend to issue the requested license after the application has been on file in the NRC's Public Document Room for 15 days.

Sincerely,

Ronald D. Hauber, Director Division of Nonproliferation.

Vanues DI tander

Exports and Multilateral Relations Office of International Programs

Enclosure: Appl. dtd. 07/14/97 (XMAT0395 - Canada)

cc w/enclosure:

T. Lee, DOE

C. Riendeau, DOE

M. Johnson, DOD

J. Chuchla, DOC

M. Rosenthal, ACDA

AECB

JA-1-1 EXP+Jmp

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XPORT

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB 3150-0027 EXPIRES 12-31-87

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See Instructions on Reverse)

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NRC (Include cher nuclear equip	(Include chemical and physical form of nuclear material; give dollar nuclear equipment and components)			18. MAX. ELEMENT WEIGHT	19. MAX. WT. %		21. UNI'	
Down Grade	Down Graded Heavy Water, Value of \$120			25,000 Kg	99.0%	24,750 Kg	Kg	
(Deuterium	(Deuterium Oxide)				sotope		1	
Water will	be enriched f	rom approxima	telv					
65% isotop	e to 99% isoto	pe.						
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Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
PM: 800.322.1174 (USA) PH: 508.749.8000
FAX: 508.749.2768 URL: http://www.isotupe.com

NRC Form 7, #25

ATTACHMENT

This material was originally purchased from Canada over a two to three year period and used principally in the manufacture of nuclear magnetic resonance (NMR) solvents. During the manufacturing process the water loses enrichment (and value). The down graded material is to be returned to Canada to upgrade to higher enrichment levels.

Shipments to Canada will not be subject to a pre-arranged shipping schedule. They will be made randomly over the proposed 5 year period.

CIL has returned over 5,350 Kilograms (figured at 99% isotopic) in the past three years. We anticipate this quantity to increase as our business grows.

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Ms. Betty L. Wright
Licensing Officer
Export/Import & International Safeguards
Office of International Programs
United States Nuclear Regulatory Commission
Washington, DC 20555

Dear Ms. Wright;

Enclused please find a completed NPC Form 7 Application for License to Export Nuclear Material and Equipment.

Due to increased business volume, we are approaching the limits of a General License for export of Deuterium Oxide in a given year.

Please process this application as soon as possible. Thank you for your assistance. Please direct any issues regarding this application to me.

Sincerely,

Leonard J. Solo, Jr Purchasing Agent

BIW ___

RECEIVED OIP

1/16/97 BLW Called Leonard Solo, Cambridge Isstop Laboratorie, regarding receipt of his appart license application. No fee theck was attached -- NRC needs for theck in amount of \$1,200.00 before we can process application. He will forward theck immediately -- to reach us tufore by Friday, July 18.