

EXPORT LICENSE

NRC FORM 250
(6-94)

NRC LICENSE NO.

THIS LICENSE EXPIRES September 30, 2012

**XMAT0402
Amendment No. 01
Page 1 of 2**

**United States of America
Nuclear Regulatory Commission**

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and

representations heretofore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

LICENSEE

ULTIMATE CONSIGNEE IN FOREIGN COUNTRY

Cambridge Isotope Laboratories, Inc.
50 Frontage Road
Andover, MA 01810

Ontario Power Generation, Inc.
Holt Road South
Darlington Nuclear Generating Station
Bowmanville, Ontario
Canada L1C 3Z8

Attn: Leonard J. Solo, Jr.

(For upgrading in Canada and return to U.S.)

INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY

OTHER PARTIES TO EXPORT

Ontario Power Generation, Inc.
Facilities West, Building #B25
F4 Loading Dock, Concession 4, Bruce Township
Tiverton, Ontario
Canada N0G 2T0

NONE

(Temporary Storage)

APPLICANT'S REF. NO.

Appl. Dtd. 05/03/07

COUNTRY OF ULTIMATE DESTINATION

Canada

QUANTITY

DESCRIPTION OF MATERIALS OR FACILITIES

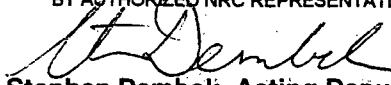
The licensee is authorized to export a cumulative total not to exceed 50,000.0 kilograms deuterium oxide (heavy water).

XMAT0402, Amendment No. 01, continued on Page 2

Neither this license or any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW
BY AUTHORIZED NRC REPRESENTATIVE


**Stephen Dembek, Acting Deputy Director
Office of International Programs**

DATE OF ISSUANCE

July 3, 2007

DESCRIPTION OF MATERIALS OR FACILITIES: (Cont'd)

License is being amended to: 1) extend the expiration date from September 30, 2007, to September 30, 2012; and 2) increase the quantity by 10,000 kilograms of Deuterium Oxide (D2O) - Heavy Water from 40,000 to a new cumulative total not to exceed 50,000 maximum kilograms.

All other conditions remain the same.

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