

EXPORT LICENSE
OFFICIAL USE ONLY - SECURITY-RELATED INFORMATION

NRC FORM 250
 (8-94)

NRC LICENSE NO.

December 31, 2006

THIS LICENSE EXPIRES

XSNM03427
 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.

<p align="center">LICENSEE</p> <p>U.S. Department of Energy NNSA, Y-12 National Security Complex P.O. Box 2060, Bear Creek Road Oak Ridge, TN 37831</p> <p>Attn: B. Eddy</p>	<p align="center">ULTIMATE CONSIGNEE IN FOREIGN COUNTRY</p> <p>Atomic Energy of Canada Limited (AECL) Chalk River Laboratories Chalk River, Ontario KOJ1JO Canada</p> <p>(To be used as targets for irradiation in the NRU Reactor to produce medical isotopes)</p>
<p align="center">INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY</p> <p>Atomic Energy of Canada Limited (AECL) Chalk River Laboratories Chalk River, Ontario KOJ1JO Canada</p> <p>(Target Fabrication)</p>	<p align="center">OTHER PARTIES TO EXPORT</p> <p>DOE, Y-12 National Security Complex Bear Creek Road Oak Ridge, TN 37831 (Supplier)</p> <p>BWXT Y-12, LLC Bear Creek Road Oak Ridge, TN 37831 (DOE/NNSA Contractor)</p>
<p>APPLICANT'S REF. NO. AECL-HEU06</p>	<p>COUNTRY OF ULTIMATE DESTINATION Canada</p>

<p>QUANTITY</p> <p>██████████ ██████████</p> <p>////////////////////</p>	<p>DESCRIPTION OF MATERIALS OR FACILITIES</p> <p>Uranium-235 Contained in ██████████ uranium, enriched to 93.35 w/o maximum, in the form of metal pieces.</p> <p>Conditions 6, 8 and 9 on page two of this license apply to this export.</p> <p>//////////////////////////////////////END//////////////////////////////////////</p>
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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

Margaret M. Doane
 Margaret M. Doane, Deputy Director
 Office of International Programs

DATE OF ISSUANCE April 14, 2006

NRC FORM 250A
(6-85)

U.S. NUCLEAR REGULATORY COMMISSION

U.S. NUCLEAR REGULATORY COMMISSION
EXPORT LICENSELicense Number XSNM03427 **Conditions**

- Condition 1 --** Licensee shall file with the Customs Officer or the Postmaster two copies, in addition to those otherwise required, of the Shipper's Export Declaration covering each export and mark one of such copies for transmittal to the U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. The following declaration should accompany or be placed on the Shipper's Export Declarations for such exports:
- "This shipment is being made pursuant to specific license number (specific license number) filed at (location of customs office where license is filed), on (date license was filed). This license expires on (expiration date of license), and the unshipped balance remaining on this license is sufficient to cover the shipment described on this declaration."
- Condition 2 --** Exports authorized in any country or destination, except Country Groups Q, S, W, X, Y, and Z in Part 370, Supplement No. 1, of the Comprehensive Export Schedule of the U.S. Department of Commerce.
- Condition 3 --** This license covers only the nuclear content of the material.
- Condition 4 --** The material to be exported under this license shall be shipped in accordance with the physical protection requirements for special nuclear material in 10 CFR 73.
- Condition 5 --** Special nuclear material authorized for export under this license shall not be transported outside the United States in passenger-carrying aircraft in shipments exceeding (1) 20 grams or 20 curies, whichever is less, of plutonium or uranium 233, or (2) 350 grams of uranium 235.
- Condition 6 --** This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.
- Condition 7 --** The licensee shall complete and submit an NRC Form 741 for each shipment of source material exported under this license.
- Condition 8 --** The licensee shall advise the NRC in the event there is any change in the designation of the company who will package the nuclear material to be exported under this license, or any change in the location of the packaging operation, at least three weeks prior to the scheduled date of export.
- Condition 9 --** If, while within U.S. jurisdiction, the material to be exported under this license is not protected in transit utilizing the services and equipment of the Department of Energy (DOE)/National Nuclear Security Administration (NNSA) Office of Secure Transportation (OST) in accordance with the DOE requirements and directives for the transport of such material, then the licensee must comply with applicable 10 CFR Part 73 regulations on physical security measures including any NRC-required enhancements thereto and must obtain NRC's approval of the physical security plan for each shipment.