

**EXPORT LICENSE**

NRC FORM 250  
(10-07)

**UNITED STATES OF AMERICA**

Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC LICENSE NO.: XSNM3623

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NRC DOCKET NO.: 11005844

LICENSE EXPIRES June 1, 2012


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"><b>LICENSEE</b></p> <p>U. S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831</p> <p>Attn: Becky G. Eddy</p>	<p align="center"><b>ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p>Atomic Energy of Canada Limited (AECL) Chalk River Laboratories Chalk River, Ontario K0J 1J0 Canada</p> <p>(Fabrication of targets for production of medical isotopes at the National Research Universal [NRU] Reactor)</p>
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<p align="center"><b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">NONE</p>	<p align="center"><b>OTHER U.S. PARTY(IES) TO EXPORT</b></p> <p align="center">See Page 3</p> <p>(Supplier/Transporter, DOE/NNSA Contractor)</p>
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<p>APPLICANT'S REFERENCE NO. AECL-EU11</p>	<p>ULTIMATE DESTINATION: Canada</p>
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QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES
<p align="center">7.0 Kilograms</p>	<p>Uranium-235 Contained in 7.5 kilograms uranium, enriched to 93.35 w/o maximum, in the form of broken metal.</p> <p>Conditions 6, 8, and 9 on Page 2 of this license apply to this export.</p>

<p>Neither this license nor 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.</p> <p>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.</p>	<p align="center"><b>THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</b></p> <p>SIGNATURE: </p> <p>NAME AND TITLE: Scott W. Moore, Deputy Director Office of International Programs</p> <p>DATE OF ISSUANCE: July 1, 2011</p>
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U.S. NUCLEAR REGULATORY COMMISSION  
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**Conditions**

**Condition 1** – Licensee shall file with the Customs Officer or the Postmaster two (2) copies, in addition to those otherwise required, of the Shipper's Export Declaration covering each export and mark one (1) of such copies for transmittal to the U.S. Nuclear Regulatory Commission, Washington, D.C. 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 expired 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 (3) 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 DOE/NNSA Office of Secure Transportation 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 transportation prior to the shipment campaign.

**OTHER U.S. PARTY(IES) TO EXPORT: (Cont'd)**

- 1. U.S. Department of Energy (DOE)  
National Nuclear Security Administration (NNSA)  
Y-12 National Security Complex  
301 Bear Creek Road  
Oak Ridge, TN 37831**

**(Supplier/Transporter)**

- 2. B & W Y-12 LLC  
301 Bear Creek Road  
Oak Ridge, TN 37931**

**(DOE/NNSA Contractor)**

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