

EXPORT LICENSE

NRC FORM 250
(10-07)

UNITED STATES OF AMERICA
Nuclear Regulatory Commission
Washington, D.C. 20555


NRC LICENSE NO.: XSNM3622/01

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NRC DOCKET NO.: 11006024

LICENSE EXPIRES: December 31, 2013

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(S) IN FOREIGN COUNTRY(IES)	
U. S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831 Attn: Becky G. Eddy		See Page 3 (Reload Fuel for the BR-2 Reactor and Medical Isotope Production)	
INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)		OTHER U.S. PARTY(IES) TO EXPORT	
See Page 3 (Fuel and Target Fabrication/Target Irradiation/Transportation)		See Page 4 (Supplier/DOE/NNSA Contractor)	
APPLICANT'S REFERENCE NO. BR2-EU10-R1		ULTIMATE DESTINATION: Belgium	
QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES		
	The licensee is authorized to export 93.1 kilograms uranium-235 contained in 99.7 kilograms uranium, enriched to 93.35% w/o maximum, as broken metal. The license is amended to: 1) increase the quantity authorized for export by 5.8 kg U-235 in 6.2 kg U to a new cumulative total of 93.1 kg U-235 contained in 99.7 kg U; 2) add target fabrication and target irradiation to "Intermediate End Uses;" 3) add CERCA, and the BR-2, HFR, and OSIRIS Research Reactors to "Intermediate Foreign Consignee(s);" 4) add the Institute for Radioelements Isotope Production Facility to "Ultimate Foreign Consignee(s);" 5) add medical isotope production to "Ultimate End Uses;" and 6) extend the expiration date from June 1, 2012 to December 31, 2013. All other conditions remain the same.		
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. 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	
		SIGNATURE:	
		NAME AND TITLE:	Stephen Dembek, Acting Deputy Director Office of International Programs
		DATE OF ISSUANCE:	September 6, 2012

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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.

ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)

1. **STUDIECENTRUM VOOR
KERNENERGIE (SCK-CEN)
BR-2 Research Reactor
Boeretang 200
B-2400 MOL
Belgium**

(Reload Fuel)

2. **Institute for Radioelements (IRE)
Isotope Production Facility
Avenue de l'Espérance 1
B-6220
Fleurus
Belgium**

(Medical Isotope Production)

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) : (Cont'd)

1. **CERCA Areva Romans
Les Berauds - BP-1114
26104 Romans sur Isere
France**

(Fuel and Target Fabrication)

2. **Nuclear Research and Consultancy Group (NRG)
High Flux Research Reactor (HFR)
Westerduinweg 3
1755 LE Petten
The Netherlands**

(Target Irradiation)

3. **STUDIECENTRUM VOOR
KERNENERGIE (SCK-CEN)
BR-2 Research Reactor
Boeretang 200
B-2400 MOL
Belgium**

(Target Irradiation)

4. **OSIRIS Research Reactor
Commissariat à l'Énergie Atomique (CEA) Saclay
F-91191 Gif-sur-Yvette
France**

(Target Irradiation)

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) : (Cont'd)

5. **TN International as Agent for CERCA
1 Rue Des Herons
78180 Montigny Le
Bretonneux
France**

(Transportation)

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)

2. **B&W Y-12, LLC
301 Bear Creek Road
Oak Ridge, TN 37831**

(DOE/NNSA Contractor)

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