

# EXPORT LICENSE

NRC FORM 250  
(10-07)

## UNITED STATES OF AMERICA

Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC LICENSE NO.: XSNM3729/01

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NRC DOCKET NO.: 11006053

LICENSE EXPIRES March 30, 2015

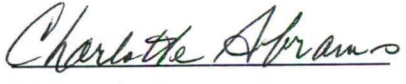
Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee 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>Institute for Radioelements (IRE) Avenue de l'Esperance 1 B-6220 Fleurus Belgium</p> <p>(For use as targets to produce Mo-99 medical isotopes)</p>
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<p align="center"><b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">See Pages 2 and 3</p> <p>(Target Fabrication, Irradiation and Transporter)</p>	<p align="center"><b>OTHER U.S. PARTY(IES) TO EXPORT</b></p> <p align="center">See Page 3</p> <p>(Supplier and Supply Contractor)</p>
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<p>APPLICANT'S REFERENCE NO. IRE-EU13-R1</p>	<p>ULTIMATE DESTINATION: Belgium</p>
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<p align="center"><b>QUANTITY</b></p>	<p align="center"><b>DESCRIPTION OF MATERIALS OR FACILITIES</b></p> <p>The license is authorized to export 12.615 kilograms uranium-235 contained in 13.5 kilograms uranium, enriched to 93.35% w/o maximum, in the form of broken metal.</p> <p align="right">XSNM3729/01 continued on Pages 2 and 3</p>
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<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: Charlotte E. Abrams, Acting Deputy Director Office of International Programs January 3, 2014</p> <p>DATE OF ISSUANCE: _____</p>
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EXPORT LICENSE

**DESCRIPTION OF MATERIALS OR FACILITIES: (Cont'd)**

The license is amended to: 1) increase the quantity of HEU authorized for export from 5.8 kilograms of U-235 contained in 6.2 kilograms uranium (maximum enrichment 93.2%) to a new cumulative total of 12.615 kilograms of U-235 contained in 13.5 kilograms uranium (maximum enrichment 93.35%); 2) add LVR-15 Research Reactor in the Czech Republic and Maria Research Reactor in Poland to the list of "Intermediate Foreign Consignee(s)"; and 3) extend the expiration date from June 30, 2014 to March 30, 2015.

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

1. CERCA Areva Romans  
ZI Les Berauds - BP-1114  
54 Avenue de la Deportation  
26104 Romans sur Isere  
France

(Target Fabrication)

2. BR-2 Research Reactor  
SCK-CEN  
Boeretang 200  
B-2400 Mol  
Belgium

(Target Irradiation)

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

(Target Irradiation)

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

(Target Irradiation)

5. LVR-15 Research Reactor  
Nuclear Research Institute Rez, plc  
Husinec-Rez 130  
Cz-250 68 Rez  
Czech Republic

**(Target Irradiation)**

6. **Maria Research Reactor**  
**National Centre for Nuclear Research**  
**Andrzej Soltan 7**  
**05-400**  
**Poland**

**(Target Irradiation)**

7. AREVA TN International  
as agent for CERCA  
1 rue des hérons  
78180 Montigny-le-Bretonneux  
France

(Transporter)

## 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 37931**

(DOE/NNSA Supply Contractor)

**All other conditions remain the same.**

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