

EXPORT LICENSE

NRC FORM 250



United States of America
 Nuclear Regulatory Commission
 Washington, D.C. 20555

NRC LICENSE NO.: XSNM3810

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NRC DOCKET NO.: 11006361

LICENSE EXPIRES: December 31, 2021

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 (NRC) issued pursuant thereto, and in reliance on the statements and representations herefore 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.

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| <p align="center">LICENSEE</p> <p>U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) Y-12 National Security Complex 301 Bear Creek Rd Oak Ridge, TN 37831</p> <p>Attn: Becky Eddy</p> | <p align="center">ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p>Institute for Radioelements (IRE) Avenue de l'Esperance 1 B-6220 Fleurus Belgium</p> <p>(for medical isotope production)</p> |
| <p align="center">INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p align="center">See following page(s)</p> | <p align="center">OTHER U.S. PARTY(IES) TO EXPORT</p> <p align="center">See following page(s)</p> |

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| APPLICANT'S REFERENCE: IRE-EU19 | ULTIMATE DESTINATION(S): Belgium |
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| <p>QUANTITY(IES)</p> <p align="center">4.772 kilograms (kg)</p> | <p align="center">DESCRIPTION OF MATERIAL(S) OR FACILITY(IES)</p> <p>Uranium, enriched to 93.35 WGT % maximum, containing up to 4.455 kg of uranium-235, in the form of unalloyed broken metal.</p> <p>The licensee is authorized to proceed with an initial shipment of 2.000 kilograms of uranium enriched to 93.35 WGT % maximum, containing up to 1.867 kilograms of uranium-235 in the form of unalloyed broken metal. The licensee will determine quantities and timing of subsequent shipments by monitoring the progress of the ultimate consignee's efforts to convert to low enriched uranium coupled with associated analyses of the demand for and supply of medical isotopes.</p> <p>Conditions 3, 4, 6, 7, and 9 on page 2 of this license apply to this export.</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 the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.</p> | <p align="center">THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</p> <p align="right">Peter J. Habighorst <small>Digitally signed by Peter J. Habighorst Date: 2020.04.13 11:11:38 -04'00'</small></p> <p>SIGNATURE: _____</p> <p>NAME AND TITLE: Peter J. Habighorst, Acting Deputy Director Office of International Programs</p> <p>DATE OF ISSUANCE: April 13, 2020</p> |
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Conditions

- Condition 1** Reserved
- Condition 2** Reserved
- 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 Part 71 and 10 CFR Part 73.
- Condition 5** Reserved
- Condition 6** This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.
- Condition 7** The shipper shall complete and submit a DOE/NRC Form 741 for each shipment of uranium, thorium, and plutonium (i.e., source or special nuclear material) exported under this license.
- Condition 8** Reserved
- Condition 9** The licensee shall submit by January 4, 2021, a status report documenting the quantities of uranium shipped during the previous calendar year including both the element and isotope weights for each shipment made. The report shall also provide projections and supporting rationale for any uranium shipments that may be scheduled during the remaining license term including estimates of both the element and isotope weights. This report shall be submitted to the Deputy Director, Office of International Programs at the address provided in 10 CFR § 110.4.

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):

1. Framatome
54 Avenue De La Deportation
ZI Les Berauds
26104 Romans Sur Isere
France

(target fabrication)
2. National Center for Nuclear Research (NCBJ)
Andrzej Soltan 7
05-400 Otwock-Swierk
Poland

(target irradiation at the Maria research reactor)
3. Nuclear Research and Consultancy Group (NRG)
Westerduinweg 3
1755 LE Petten
Netherlands

(target irradiation at the HFR research reactor)
4. Nuclear Research Institute, Rez, plc
Husinec - Rez 130
Cz- 250 68 Rez
Czech Republic

(target irradiation at the LVR-15 research reactor)
5. ORANO TN International
1, rue des Herons
78180 Montigny-le-Bretonneux
France

(transporter)
6. Studiecentrum Voor Kernenergie (SCK-CEN)
Boeretang 200
BE-2400 Mol
Belgium

(target irradiation at the BR-2 research reactor)

OTHER U.S. PARTY(IES) TO EXPORT:

1. Consolidated Nuclear Security (CNS) L.L.C.
301 Bear Creek Road
Oak Ridge, TN 37831

(DOE/NNSA supply and transport contractor)
2. U.S. Department of Energy, National Nuclear Security
Administration
Y-12 National Security Complex
301 Bear Creek Road
Oak Ridge, TN 37831

(supplier/transporter)