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 hereof 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**

U.S. Department of Energy (DOE)  
National Nuclear Security Administration (NNSA)  
Y-12 National Security Complex  
301 Bear Creek Rd  
Oak Ridge, TN 37831  
Attn: Becky Eddy

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)**

Institute for Radioelements (IRE)  
Avenue de l'Esperance 1  
B-6220 Fleurus  
Belgium  
(for medical isotope production)

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

See following page(s)

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

See following page(s)

**APPLICANT'S REFERENCE:**  IRE-EU19  
**ULTIMATE DESTINATION(S):**  Belgium

**QUANTITY(IES):**  
4,772 kilograms (kg)

**DESCRIPTION OF MATERIAL(S) OR FACILITY(IES):**

Uranium, enriched to 93.35 WGT % maximum, containing up to 4.455 kg of uranium-235, in the form of unalloyed broken metal.

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.

Conditions 3, 4, 6, 7, and 9 on page 2 of this license apply to this export.

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**THIS LICENSE IS INVALID UNLESS SIGNED BELOW**

**BY AUTHORIZED NRC REPRESENTATIVE**

**SIGNATURE:**  Peter J. Habighorst  
**NAME AND TITLE:**  Peter J. Habighorst, Acting Deputy Director Office of International Programs  
**DATE OF ISSUANCE:**  April 13, 2020
### Conditions

<table>
<thead>
<tr>
<th>Condition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Reserved</td>
</tr>
<tr>
<td>2</td>
<td>Reserved</td>
</tr>
<tr>
<td>3</td>
<td>This license covers only the nuclear content of the material.</td>
</tr>
<tr>
<td>4</td>
<td>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.</td>
</tr>
<tr>
<td>5</td>
<td>Reserved</td>
</tr>
<tr>
<td>6</td>
<td>This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.</td>
</tr>
<tr>
<td>7</td>
<td>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.</td>
</tr>
<tr>
<td>8</td>
<td>Reserved</td>
</tr>
<tr>
<td>9</td>
<td>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.</td>
</tr>
</tbody>
</table>
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)

   Administration
   Y-12 National Security Complex
   301 Bear Creek Road
   Oak Ridge, TN 37831
   (supplier/transporter)