

EXPORT LICENSE

NRC FORM 250



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

NRC LICENSE NO.: XSNM3822

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NRC DOCKET NO.: 11006422

LICENSE EXPIRES: December 31, 2026

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.

<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 Road Oak Ridge, TN 37831</p> <p>Attn: Mahalia Reep</p>	<p align="center">ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p>Institute for Integrated Radiation and Nuclear Science, Kyoto University (KURNS) 2-chome Asashiro-Nishi Kumatori-cho, Sennan-gun Osaka 590-0494 Japan</p> <p>(fuel for Kyoto University Critical Assembly research reactor)</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>

APPLICANT'S REFERENCE: KU-EU21	ULTIMATE DESTINATION: Japan
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QUANTITY(IES)	DESCRIPTION OF MATERIAL(S) OR FACILITY(IES)
121.6 kilograms	<p>Uranium, enriched to 19.95 WGT% maximum, containing up to 24.0 kilograms of uranium-235, in the form of two types of reactor fuel: uranium silicide (U3Si2-Al) plates and uranium-molybdenum (U7Mo-Al) coupons.</p> <p>The shipment of EURATOM-obligated material is authorized.</p> <p>Conditions 3, 4, 6 and 7 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 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>SIGNATURE: _____</p> <p>NAME AND TITLE: Peter J. Habighorst, Acting Deputy Director Office of International Programs</p> <p>DATE OF ISSUANCE: July 6, 2022</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

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

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

(fuel fabricator)
2. Sojitz Machinery Corporation
6-11, Nishi-Shimbashi
1-chome, Minato-ku
Tokyo 105-0003
Japan

(transporter)

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

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

(supplier)
2. Consolidated Nuclear Security, LLC
301 Bear Creek Road
Oak Ridge, TN 37831

(DOE/NNSA Supply Contractor)
3. TN Americas, LLC
7135 Minstrel Way Suite 300
Columbia, MD 21045

(transporter)