

**EXPORT LICENSE**

NRC FORM 250

**NRC LICENSE NO.:** XSNM3806/03

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**NRC DOCKET NO.:** 11006341

**LICENSE EXPIRES:** December 31, 2028



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

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"><b>LICENSEE</b></p> <p>Thermo Fisher Scientific<br/>                 1 Thermo Fisher Way<br/>                 Oakwood Village, OH 44146</p> <p>Attn: Vincent Vega Hos</p> | <p align="center"><b>ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">See following page(s)</p> |
| <p align="center"><b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">None</p>   | <p align="center"><b>OTHER U.S. PARTY(IES) TO EXPORT</b></p> <p align="center">None</p>                                |

**APPLICANT'S REFERENCE:** XSNM3806/02

**ULTIMATE DESTINATIONS:** See following page.

|   |  |
|---|--|
| <p align="center"><b>QUANTITY(IES)</b></p> <p>0.50 kilograms (kgs) uranium, containing up to 0.47 kgs of U-235.</p> | <p align="center"><b>DESCRIPTION OF MATERIAL(S) OR FACILITY(IES)</b></p> <p>This license authorizes the export of a cumulative total of 0.50 kgs uranium (U) enriched to 94 WGT% maximum, containing up to 0.47 kgs of U-235. The uranium will be contained in up to 100 fission chambers, with an additional 17 fission chambers to allow for replacement shipments, each containing up to 4.0 grams of enriched uranium. The fission chambers are used in the neutron flux monitoring systems at the Ultimate Destination(s) of the Foreign Consignee(s).</p> <p>Export license amendment XSNM3806/03 supersedes export license XSNM3806/02 and includes the following changes: updates to the total number of fission chambers to identify the maximum number of chambers permitted for export, and the addition of two Ultimate Foreign Consignees: Tecnatom in Slovenia, and EDF Energy Generation Ltd. in the United Kingdom.</p> <p><b>Conditions on Page 3 of this license apply to this export.</b></p> |
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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 the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.

**THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE**

**SIGNATURE:** \_\_\_\_\_

**NAME AND TITLE:** Sabrina D. Atack, Deputy Director  
 Office of International Programs

**DATE OF ISSUANCE:** June 7, 2024

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

1. Central Nuclear Asco  
Avenida de ia Central s/n 43791 Asco  
Tarragona  
Spain

(for use of neutron flux monitoring at Asco 1-2)

2. EDF Energy Generation Ltd.  
Sizewell B Power Station  
Leiston, Suffolk IP16 4UR  
United Kingdom

(fission chambers for use in neutron flux monitoring systems)

3. Korea Hydro and Nuclear Power Corporation  
1655, Bulguk-Ro, Gyeongju-Si  
Gyeongsanguk-Do, 38120  
Republic of Korea

(fission chambers for use in neutron flux monitoring at Kori 3 & 4, Shin Kori 3-6,  
Hanul 1 & 2, and Hanbit 1 & 2)

4. Tecnatom  
VRBINA 12, 8270, KRŠKO  
Slovenia

(fission chambers for use in neutron flux monitoring systems)

**Conditions**

- Condition 1** This license covers only the nuclear content of the material.
- Condition 2** 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 3** This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.
- Condition 4** 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.