Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the U.S. Nuclear Regulatory Commission (NRC) 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.

**LICENSEE**
U. S. Department of Energy (DOE)
Oak Ridge National Laboratory
c/o UT-Battelle, LLC
One Bethel Valley Road
Oak Ridge, TN 37831-6396
Attn: Edward Graham

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)**
Centronic Limited
Centronic House
King Henry's Drive
New Addington
Croydon, Surrey CR9 OBG
United Kingdom
(fabricate neutron detector)

**INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)**
None

**OTHER U.S. PARTY(IES) TO EXPORT**
See page 3

**APPLICANT’S REFERENCE NO.:** IBO-FY18#1

**ULTIMATE DESTINATION(S):** United Kingdom

**QUANTITY(IES):**
215 Grams

**DESCRIPTION OF MATERIAL(S) OR FACILITY(IES):**
Uranium, enriched to 93.19 WGT % maximum, containing 200 grams of uranium-235, as solid Us0s, to fabricate a neutron detector.

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

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 of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.

**SIGNATURE:**
David L. Skeen, Deputy Director
Office of International Programs

**DATE OF ISSUANCE:** MAY 31 2018
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
OTHER U.S. PARTY(IES) TO EXPORT:

1. DOE/NNSA  
   Y-12 National Security Complex  
   301 Bear Creek Road  
   Oak Ridge, TN 37831  
   (packaging and ship U-235)

2. Consolidated Nuclear Security (CNS) L.L.C.  
   301 Bear Creek Road  
   Oak Ridge, TN 37831  
   (DOE/NNSA supplier)

3. V. Alexander & Co., Inc.  
   22815 Glenn Dr., Suite 101  
   Sterling, VA 20164  
   (freight forwarder)