**APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S)**

(See Instructions on Pages 4 and 5)

**PART A. FOR NRC USE ONLY**

<table>
<thead>
<tr>
<th>PUBLIC</th>
<th>NON-PUBLIC</th>
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<thead>
<tr>
<th>LICENSE NUMBER</th>
<th>DOCKET NUMBER</th>
<th>ADAMS ACCESSION NUMBER</th>
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<tr>
<td>X5jm3794</td>
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**PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS**

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

1. **NAME AND ADDRESS OF APPLICANT/LICENSEE**
   - U.S. Department of Energy (DOE)
   - National Nuclear Security Administration (NNSA)
   - Y-12 National Security Complex
   - 301 Bear Creek Road
   - Oak Ridge, TN 37831

2. **NAME OF APPLICANTS CONTACT**
   - Becky G. Eddy

3. **PHONE NUMBER**
   - (865) 576-4119

4. **E-MAIL ADDRESS**
   - Becky.Eddy@npo.doe.gov

5. **TYPE OF ACTION REQUESTED**
   - ✔️ EXPORT
   - ☐ IMPORT
   - ☐ AMENDMENT/RENEWAL

6. **CONSENT REQUEST**
   - Parts B, C

7. **CONTRACT NUMBER(S)**
   - NNSA-SC16-Y12-0707

8. **FIRST SHIPMENT DATE**
   - 6/01/2018

9. **LAST SHIPMENT DATE**
   - 11/30/2018

10. **PROPOSED EXPIRATION DATE**
    - 12/31/2018

11. **NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT**
    - DOE/NNSA
    - Y-12 National Security Complex
    - 301 Bear Creek Road
    - Oak Ridge, TN 37831

12. **NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)**
    - Framatome
    - 54 Avenue De La Déportation
    - ZI Les Bérauds
    - 26104 Romans Sur Isère,
    - France

13. **NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)**
    - Institute for Radioelements (IRE)
    - Avenue de l'Espérance 1
    - B-6220 Fleurus,
    - Belgium

14. **FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED**
    - Supplier/Transporter: Target Fabrication
    - Medical Isotope Production

15. **DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT**
    - 4.913 kg uranium-235 contained in maximum of 5.274 kg uranium, enriched to maximum of 93.35%, in the form of unalloyed broken metal
    - Total: 5.274 KG
    - Enrichment: 93.35%
    - Isotope: 4.913 KG

16. **FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)**
    - 100% US Obligation
APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Part B. Blocks 4 and 5:

Dates do not reflect actual ship dates. Time-frame indicated for shipment to support target fabrication, target irradiation and processing schedules to meet one year isotope production demand until conversion to LEU targets.

Part C: Blocks 7 and 7a, Suppliers and/or Other Parties to the Export:

Consolidated Nuclear Security (CNS) L.L.C.
301 Bear Creek Road
Oak Ridge, TN 37831
(DOE/NNSA Supply and Transport Contractor)

TN Americas LLC
7135 Minstrel Way Suite 300
Columbia, MD 21045
(Transporter)

Part C: Blocks 8 and 8a, Intermediate Foreign Consignee(s):

TN International
1, rue des Hérons
78180 Montigny-le-Bretonneux
France
(Transporter)

Studiecentrum Voor Kernenergie (SCK-CEN)
Boretang 200
BE-2400 Mol
Belgium
BR-2 Research Reactor (Target Irradiation)

Nuclear Research and Consultancy Group (NRG)
Westerduinweg 3
1755 LE Petten
The Netherlands
HFR Research Reactor (Target Irradiation)

Nuclear Research Institute, Rež, plc
Husinec - Rež 130
Cz- 250 68 Rež
Czech Republic
LVR-15 Research Reactor (Target Irradiation)

National Center for Nuclear Research
Andrzej Solsan 7
05-400 Otwock-Świerk
Poland
Maria Research Reactor (Target Irradiation)
### APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

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**PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS**

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

**12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT**  

**13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)**  

**14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)**

**12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)**

**13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)**

**14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)**

**13b. INTERMEDIATE USE(S)**

**14b. ULTIMATE END USE(S)**

**15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES**

**15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)**

**15b. MAX ENRICHMENT OR WGT %**

**15c. MAX ISOTOPIC WGT (KG)**

**16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)**

### PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)

**17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS?**  

YES ☑️ NO ☐

**17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED?**  

YES ☐ NO ☑️

**18. CERTIFICATION:**  

I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.

**18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL**

Becky G. Eddy  
DOE NNSA Production Office, Program Manager

**18b. SIGNATURE -- AUTHORIZED OFFICIAL**

[Signature]

**18c. DATE**

02/22/2018