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>LICENSE NUMBER</th>
<th>DOCKET NUMBER</th>
<th>DATE RECEIVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSNM3T79</td>
<td>11006241</td>
<td>JUL 21 2016</td>
</tr>
</tbody>
</table>

PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS

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. TYPE OF ACTION REQUESTED
   [ ] EXPORT
   [ ] IMPORT
   [ ] AMENDMENT/RENEWAL
   [ ] CONSENT REQUEST

3. CONTRACT NUMBER(S)
   NNSA-SC16-Y12-0707

4. FIRST SHIPMENT DATE
   10/01/2016

5. LAST SHIPMENT DATE
   12/31/2017

6. PROPOSED EXPIRATION DATE
   12/31/2017

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

8. NAME(S)/ADDRESS(S) OF INTERMEDIATE FOREIGN CONSIGNEE(S)
   AREVA NP Romans
   54 Avenue De La Déportation
   ZI Les Bérauds
   26104 Romans Sur Isère, France

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

10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS: FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT
   6.7 kg uranium-235 contained in maximum of 7.2 kg uranium, enriched to maximum of 93.35%, in the form of broken metal.

11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)
   100% US Obligation

APPROVED FOR PUBLIC RELEASE

This document has been approved for release to the public by Scott A. Haines, NRC Y-12 Security Officer Classification Officer.
## APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

### 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.)

<table>
<thead>
<tr>
<th>12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT</th>
<th>13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)</th>
<th>14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>12a. NRC EXPORT LICENSE NUMBER(S)</th>
<th>13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)</th>
<th>14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>13b. INTERMEDIATE USE(S)</th>
<th>14b. ULTIMATE END USE(S)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES</th>
<th>15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)</th>
<th>15b. MAX ENRICHMENT OR WGT %</th>
<th>15c. MAX ISOTOPE WGT (KG)</th>
</tr>
</thead>
</table>

### 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

<table>
<thead>
<tr>
<th>18. CERTIFICATION:</th>
</tr>
</thead>
</table>

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

July 14, 2016
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 Contractor)

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

AREVA TN International
1, rue des Herons
78180 Montigny-le-Bretonneux
France
(Transporter in France)

Studiecentrum Voor Kernenergie (SCK-CEN)
Boeretang 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, Rez, plc
Husinec - Řež 130
Cz- 250 68 Řež
Czech Republic
LVR-15 Research Reactor (Target Irradiation)

National Center for Nuclear Research
Andrzej Soltan 7
05-400 Otwock-Swierk
Poland
Maria Research Reactor (Target Irradiation)