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>
<th>DATE RECEIVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☑</td>
<td>MAR 11 2015</td>
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</table>

LICENSE NUMBER: KENN-M274-4

DOCKET NUMBER: 1500-0193

ADAMS ACCESS NUMBER: ML10790A028

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)
Y-12 National Security Complex
301 Bear Creek Road
Oak Ridge, TN 37831

1a. NAME OF APPLICANT'S CONTACT
Becky G. Eddy

1b. APPLICANT'S REFERENCE NUMBER
CNL-EUI5

1c. PHONE NUMBER
(865) 576-4119

1d. FAX NUMBER
(865) 574-0492

1e. E-MAIL ADDRESS
becky.edyd@npo.doe.gov

2. TYPE OF ACTION REQUESTED (Check One)

☑ EXPORT (Parts B, C, E)

□ IMPORT (Parts B, D, E)

□ AMENDMENT/RENEWAL Current License Number:

□ CONSENT REQUEST (Parts B, C) Current License Number:

3. CONTRACT NUMBER(S)

NNSA-SC11-Y12-1206

4. FIRST SHIPMENT DATE
04/01/2015

5. LAST SHIPMENT DATE
11/30/2015

6. PROPOSED EXPIRATION DATE
12/31/2015

PART C. TO BE COMPLETED FOR EXPORT 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.)

7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT

Department of Energy (DOE)
National Nuclear Security Administration (NNSA)
Y-12 National Security Complex (NSC)
301 Bear Creek Road
Oak Ridge, TN 37831

7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED
Supplier/Transporter

8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)

Canadian Nuclear Laboratories
Chalk River Laboratories
286 Plant Road
Chalk River, Ontario K0J 1J0
Canada

8a. INTERMEDIATE USE(S)
Target Fabrication

9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)

Canadian Nuclear Laboratories
Chalk River Laboratories
286 Plant Road
Chalk River, Ontario K0J 1J0
Canada

9a. ULTIMATE END USE(S)
Target Irradiation/Mo-99 Production

10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS. FOR NUCLEAR EQUIPMENT, INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT

7.56 kg uranium-235 contained in maximum of 8.1 kg uranium, enriched to maximum of 93.35%, in the form of broken uranium metal

10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)
8.1 kg

10b. MAX ENRICHMENT OR WGT %
93.35%

10c. MAX ISOTYPE WGT (KG)
7.56 kg

APPROVED FOR PUBLIC RELEASE

This document has been approved for release to the public by:

[Signature]
Scott A. Harlow
Office Classification Officer

11. 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)

#### 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>
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<tr>
<th>12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)</th>
<th>13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)</th>
<th>14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)</th>
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<tr>
<th>13b. INTERMEDIATE USE(S)</th>
<th>14b. ULTIMATE END USE(S)</th>
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<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>
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#### 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

### 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.

<table>
<thead>
<tr>
<th>18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL</th>
<th>18b. SIGNATURE – AUTHORIZED OFFICIAL</th>
<th>18c. DATE</th>
</tr>
</thead>
</table>
| Becky G. Eddy
DOE NNSA Production Office Y-12, Program Manager | [Signature] | MAR 11 2015 |

NRC FORM 7 (11-2012)
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.

Page 1, Block 4. & 5: First and last ship dates are not the actual ship dates, but bound the delivery time frames in the project schedule.

Page 1, Block 7:
Consolidated Nuclear Security (CNS) LLC
301 Bear Creek Road
Oak Ridge, TN 37831

Page 1, Block 7a: DOE/NNSA Contractor

Page 1, Block 9a: For use in the fabrication of targets to be irradiated in the National Research Universal (NRU) reactor for the production of medical isotopes.