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| NRC FORM 7 (02-2016) 10 CFR 110 |  U. S. NUCLEAR REGULATORY COMMISSION | APPROVED BY OMB: NO. 3150-0027 Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection. | EXPIRES: 11/30/2018 |
| 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 | <input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC | DATE RECEIVED 8/17/18 | |
| LICENSE NUMBER XS.NM.3795 | DOCKET NUMBER 11006315 | ADAMS ACCESSION NUMBER | |
| 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 | 1a. NAME OF APPLICANT'S CONTACT Becky G. Eddy | 1b. APPLICANT'S REFERENCE NUMBER IRE-EU19 | |
| | 1c. PHONE NUMBER (865) 576-4119 | 1d. FAX NUMBER (865) 574-0492 | |
| | 1e. E-MAIL ADDRESS Becky.Eddy@npo.doe.gov | | |
| 2. TYPE OF ACTION REQUESTED (Check One) | | | |
| <input checked="" type="checkbox"/> EXPORT (Parts B, C, E) | | <input type="checkbox"/> IMPORT (Parts B, D, E) | |
| | | <input type="checkbox"/> AMENDMENT/RENEWAL (Current License Number: _____) | |
| | | <input type="checkbox"/> CONSENT REQUEST (Parts B, C) (Current License Number: _____) | |
| 3. CONTRACT NUMBER(S) NNSA-SC16-Y12-0707 | 4. FIRST SHIPMENT DATE 11/01/2018 | 5. LAST SHIPMENT DATE 3/30/2019 | 6. PROPOSED EXPIRATION DATE 06/31/2019 |
| 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 DOE NNSA Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831 | 8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) Framatome 54 Avenue De La Déportation ZI Les Bérauds 26104 Romans Sur Isère, France | 9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Institute for Radioelements (IRE) Avenue de l'Espérance 1 B-6220 Fleurus, Belgium | |
| 7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Supplier/Transporter | 8a. INTERMEDIATE USE(S) Target Fabrication | 9a. ULTIMATE END USE(S) Medical Isotope Production | |
| 10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT 4.63 kg uranium-235 contained in maximum of 4.97 kg uranium, enriched to maximum of 93.35%, in the form of unalloyed broken metal | 10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 4.97 KG | 10b. MAX ENRICHMENT OR WGT % 93.35% | 10c. MAX ISOTOPE WGT (KG) 4.63 KG |
| 11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) 100% US Obligation | | | |

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

| | | | |
|-------------------------------------|----------------------------------|------------------------|---|
| LICENSE NUMBER <i>KS NM 3795</i> | DOCKET NUMBER <i>11006315</i> | ADAMS ACCESSION NUMBER | <input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC |
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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.)

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|--|---|--|---------------------------|
| 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) <i>(if applicable)</i> | 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 ISOTOPE 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)

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| 17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | 17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input type="checkbox"/> NO |
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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, Material Manager | 18b. SIGNATURE -- AUTHORIZED OFFICIAL  | 18c. DATE <i>08/09/2018</i> |
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APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

| | | | |
|--------------------------------------|----------------------------------|------------------------|---|
| LICENSE NUMBER XS NM 37955 | DOCKET NUMBER 11006815 | ADAMS ACCESSION NUMBER | <input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC |
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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 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)
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-Świerk
Poland
Maria Research Reactor (Target Irradiation)

This document has been approved for release
to the public by the NNSA Production Office
Classification Officer:

**Scott (HCC)
Hawks**

Digitally signed by Scott (HCC) Hawks
DN: c=US, o=U.S. Government,
ou=Department of Energy, ou=Y-12
National Security Complex, ou=CAS,
ou=people, cn=Scott (HCC) Hawks
Date: 2018.08.09 09:20:41 -0400