


NRC FORM 7 (02-2016) 10 CFR 110		 U. S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027		EXPIRES: 11/30/2018	
APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (See Instructions on Pages 4 and 5)				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.			
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED SEP 27 2016 SF			
LICENSE NUMBER XSNM3777		DOCKET NUMBER 11006244		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 CNL-EU16		
			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-SC11-Y12-1206		4. FIRST SHIPMENT DATE 12/01/2016		5. LAST SHIPMENT DATE 01/31/2018		6. PROPOSED EXPIRATION DATE 03/31/2018	
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			8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) Canadian Nuclear Laboratories Nuclear Fuel Fabrication Facility Chalk River Laboratories 286 Plant Road Chalk River, Ontario K0J 1J0 Canada			9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Canadian Nuclear Laboratories Chalk River Laboratories National Research Universal (NRU) reactor 286 Plant Road Chalk River, Ontario K0J 1J0 Canada	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Supplier/Transporter			8a. INTERMEDIATE USE(S) Target Fabrication			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 2.8 kg uranium-235 contained in maximum of 3.0 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) 3.0 kg		10b. MAX ENRICHMENT OR WGT % 93.35%	10c. MAX ISOTOPE WGT (KG) 2.8 kg
<div style="border: 1px solid black; padding: 5px; text-align: center;"> APPROVED FOR PUBLIC RELEASE This document has been approved for release to the public by: SCOTT A. HAWICS <i>[Signature]</i> 9/12/16 NPS Y-12 Site Office Classification Officer Date </div>							
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) 100% US Obligation							

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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 ISOTOPE WGT (KG)

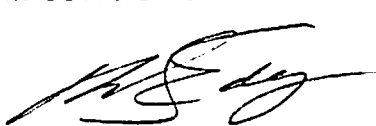
16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

100% US Obligation

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? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" 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 Y-12, Program Manager	18b. SIGNATURE - AUTHORIZED OFFICIAL 	18c. DATE Sept. 9, 2016
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Part B, Blocks 4 & 5:

First and last ship dates are not the actual ship dates, but bound the delivery time frames in the project schedule.

Part C, Blocks 7 & 7a:

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

Part C, 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.

Note: This export of HEU is consistent with the Government of Canada's NRU Contingency Plan, which would only be enacted and the HEU transported in the circumstances of an extended global shortage of the medical isotope Molybdenum-99, where other alternate technologies or sources are not available.