

NRC FORM 7 (8-2011) 10 CFR 110 U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027 EXPIRES: 08/31/2012 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 Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet 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.	
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 MAY 30 2012 <i>Redd JC</i>	
LICENSE NUMBER XSNM3622/01		DOCKET NUMBER 11006024	
		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 BR2-EU10-R1	
		1c. PHONE NUMBER (865) 576-4119	
		1d. FAX NUMBER (865) 574-0492	
		1e. E-MAIL ADDRESS eddybg@yso.doe.gov	
2. TYPE OF ACTION REQUESTED (Check One)			
<input type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input checked="" type="checkbox"/> AMENDMENT/RENEWAL (Current License Number: <u>XSNM3622</u>) <input type="checkbox"/> CONSENT REQUEST (Parts B, C) (Current License Number: _____)			
3. CONTRACT NUMBER(S) DE-SC55-10NA29752		4. FIRST SHIPMENT DATE	
		5. LAST SHIPMENT DATE	
		6. PROPOSED EXPIRATION DATE 12/31/13	
PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, RENEWALS OR CONSENTS (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) CERCA Areva Romans Les Berauds - BP-1114 26104 Romans sur Isere France	
		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) STUDECENTRUM VOOR KERNENERGIE (SCK-CEN) BR2 Reactor Boeretang 200 B-2400 MOL Belgium Institute for Radioelements (IRE) Avenue de l'Espérance 1 B-6220 Fleurus, Belgium	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Supplier/Transportation		8a. INTERMEDIATE USE(S) Fuel and Target Fabrication	
		9a. ULTIMATE END USE(S) Reactor Fuel & 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 87.3 kg uranium-235 contained in maximum of 93.5 kg uranium, enriched to maximum of 93.35%, in the form of broken metal. (Quantity previously shipped in 10/2010) 5.8 kg uranium-235 contained in maximum of 6.2 kg uranium, enriched to maximum of 93.35%, in the form of broken metal.		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 93.5 kg U 6.2 kgU	
		10b. MAX ENRICHMENT OR WGT % 93.35 % 93.20 %	
		10c. MAX ISOTOPE WGT (KG) 87.3 5.8	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) 100% US Obligation			
MAY 30 2012 <i>Redd JC</i>			

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

LICENSE NUMBER <i>XSNM 3622</i>	DOCKET NUMBER <i>11006024</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.)

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)

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 <i>Becky G. Eddy DOE NNSA Y-12 Site Office, Program Manager</i>	18b. SIGNATURE - AUTHORIZED OFFICIAL 	18c. DATE <i>5-23-2012</i>
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LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC	OR	<input type="checkbox"/> NON-PUBLIC
XSMM 3622/01	11006024				

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

Part B. 3: Contract Number NNSA--SC12-Y12-0402 (Belgium - IRE)

Part B. 4 and 5: Shipping details are sensitive and/or are classified and are included in the sensitive version of NRC Form 7 for this application.

Page 1, Blocks 7 and 7a - Other Parties to the Export:

B&W Y-12 LLC (DOE/NNSA Contractor)
301 Bear Creek Road
Oak Ridge, TN 37931

Page 1, Block 8 - CERCA means "Compagnie pour l'Etude et la Réalisation de Combustibles Atomiques"

Page 1, Block 8a - For use in fabrication of standard BR2 fuel elements and IRE targets used in the production of medical isotopes

Page 1, Blocks 8 and 8a Other Foreign Intermediate Consignees:

TN International (Transporter)
As Agent for CERCA
1 Rue Des Herons
78180 Montigny Le
Bretonneux
France

Page 1, Blocks 8 and 8a (specific IRE)- Used as targets irradiated in the following reactors for the production of medical isotopes:

BR-2 Research Reactor (Target Irradiation)

SCK-CEN
Boeretang 200
BE-2400 Mol
Belgium

HFR Research Reactor (Target Irradiation)

Nuclear Research and Consultancy Group (NRG)
Westerduinweg 3
1755 LE Petten
the Netherlands

OSIRIS Research Reactor (Target Irradiation)

Commissariat à l'Énergie Atomique (CEA) Saclay
F-91191 Gif-sur-Yvette
France

LVR-15 Research Reactor (Target Irradiation)

Nuclear Research Institute, plc
Husinec - Řež 130
Cz- 250 68 Řež
Czech RepublicRec'd
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APPLICATION FOR NRC EXPORT OR IMPORT
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LICENSE NUMBER XSNM 3622/01	DOCKET NUMBER 1100 6024	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)

Page 1, Blocks 9a (87.3 kg U-235 for SCK-CEN) - Used as driver fuel in the BR2 reactor which is used for research and medical isotope production

Page 1, Block 10 - Maximum quantity for IRE is based on a maximum enrichment of 93.20% U-235 and is bounding to allow U.S. supplier packaging tolerance during production

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MAY 30 2012
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