


NRC FORM 7 (11-2012) 10 CFR 110		 U. S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027		EXPIRES: (11/30/2015)	
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 DEC 14 2015	
LICENSE NUMBER XSNM3722/01			DOCKET NUMBER 11006019			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 AREVA Inc 7135 Minstrel Way, Suite 300 Columbia, MD 21045			1a. NAME OF APPLICANT'S CONTACT Nicolas Guibert		1b. APPLICANT'S REFERENCE NUMBER F.503165-C-27-150701		
			1c. PHONE NUMBER (410) 910-6953		1d. FAX NUMBER (410) 910-6959		
			1e. E-MAIL ADDRESS nicolas.guibert@areva.com				
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: XSNM3722		<input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number:	
3. CONTRACT NUMBER(S) NNSA-SC12-Y12-0510		4. FIRST SHIPMENT DATE 11/01/2012		5. LAST SHIPMENT DATE 11/30/2017		6. PROPOSED EXPIRATION DATE 12/31/2017	
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 US Department of Energy (DOE) National Nuclear Security Administration (NNSA) Y-12 National Security Complex 301 Bear Creek Road Oak Ridge, TN 37831 (Supplier)			8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) AREVA NP AREVA NP Romans Z.I. Les Bérauds 54 avenue de la déportation 26104 Romans sur Isère France (Fuel and/or Target Fabrication)			9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Nuclear Research and Consultancy Group (NRG) High Flux Research Reactor (HFR) Westerduingweg 3 NL-1755 LE Petten The Netherlands (Reload Fuel)	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Uranium Supply			8a. INTERMEDIATE USE(S) (see page 3)			9a. ULTIMATE END USE(S) (see page 3)	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT Uranium enriched to 19.95% maximum in solid form to be used either as fuel elements for HFR reactor in Petten or targets to be irradiated in European research reactors to produce Mo99.				10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 735 kg of Uranium		10b. MAX ENRICHMENT OR WGT % 19.95% or less	10c. MAX ISOTOPE WGT (KG) 147 kg or less of U-235
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)							

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LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

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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 checked="" type="checkbox"/> NO
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 Scott Edwards Director of Transportation	18b. SIGNATURE -- AUTHORIZED OFFICIAL 		18c. DATE 11/25/15

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

Section 7:

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

Section 8:

STUDIECENTRUM VOOR KERNENERGIE (SCK-CEN)
BR-2 Research Reactor
Boeretang 200
B-2400 Mol
Belgium
(Target Irradiation)

Institute of Atomic Energy (IAE) POLATOM
05-400 Otwock-Świerk
Republic of Poland
(Target Irradiation)

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

Nuclear Research and Consultancy Group (NRG)
High Flux Research Reactor (HFR)
Westerduinweg 3
1755 LE Petten
The Netherlands
(Target Irradiation)

Section 8a:

AREVA NP will fabricate reactor fuel and LEU targets. To support conversion from HEU targets for Mo-99 production, a Mo-99 production process utilizing LEU targets is being developed, tested and qualified using LEU provided separately. After the process is tested and qualified, the LEU exported by Y-12 under this license will be utilized to fabricate LEU targets for Mo-99 production. LEU targets will be irradiated in the High Flux Reactor (Petten, The Netherlands), BR-2 Reactor (Mol, Belgium), and Maria Reactor (Otwock-Świerk, Poland) .

Section 9:

Mallinckrodt Molybdenum Production Facility
Westerduinweg 3
1755 LE Petten
The Netherlands
(Medical Isotope Production)

Section 9a:

Reactor fuel will be loaded into the HFR reactor.
LEU targets will be processed at Mallinckrodt for Mo-99 production.



November 24, 2015

US Nuclear Regulatory Commission
Mailstop O4-E21
11555 Rockville Pike
Rockville, MD 20852

Attention of Deputy Director Office of International Programs

Enclosed is the application for a minor amendment to export license XSNM3722 related to low enriched uranium being shipped from the US Department of Energy Y-12 site in Oak Ridge, TN to NRG in the Netherlands.

We remain at your disposal for any information you may require.

Regards,

A handwritten signature in black ink, appearing to read 'S. Edwards', written in a cursive style.

Scott Edwards
Director of Transportation, AREVA TN

Electronic Copy:
Jane Chimood

Enclosures:
1 NRC Form 7 Application

AREVA INC.

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