


NRC FORM 7 (11-2012) 10 CFR 110		U. S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0027 EXPIRES: (11/30/2015) 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) <i>(See Instructions on Pages 4 and 5)</i>			
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	
LICENSE NUMBER X5005833		DOCKET NUMBER 11006153	
DATE RECEIVED MAR 24 2014		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. 2101 Horn Rapids Road Richland, WA 99354		1a. NAME OF APPLICANT'S CONTACT Loren Maas 1c. PHONE NUMBER (509) 375-8537 1e. E-MAIL ADDRESS loren.maas@areva.com	
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:	
3. CONTRACT NUMBER(S)		4. FIRST SHIPMENT DATE 7/1/2014	
5. LAST SHIPMENT DATE 12/31/2019		6. PROPOSED EXPIRATION DATE 12/31/2019	
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		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)	
9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) MELOX CD 138-Lieu dit La Tourette 30200 CHUSCLAN France		10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT Depleted uranium dioxide (UO2) powder	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED		8a. INTERMEDIATE USE(S)	
10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 750,000 kgs (750 MT)		10b. MAX ENRICHMENT OR WGT % Less than 0.71%	
10c. MAX ISOTOPE WGT (KG) 5325 kgs (5.325 MT)		9a. ULTIMATE END USE(S) See page 3.	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) Source Material U.S. (100%)			

 MAR 24 2014
 (Signature)

NRC FORM 7
(11-2012)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

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

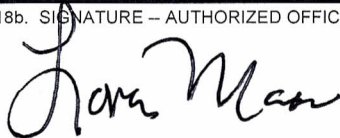
LICENSE NUMBER X-SOU 9833	DOCKET NUMBER 11006153	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS

(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) (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)			

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 Loren Maas, Manager Licensing and Compliance	18b. SIGNATURE - AUTHORIZED OFFICIAL 
18c. DATE 3/24/14	

MAR 24 2014

NRC FORM 7
(11-2012)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER XSA 9833	DOCKET NUMBER 11006153	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, Block 9a

AREVA's MELOX facility near Avignon, France produces mixed-oxide LWR fuel for power reactor customers. The "burnable" part of this MOX fuel is plutonium oxide, which is supplied to MELOX from AREVA's spent fuel recycling facility in France. The Pu oxide makes up at maximum just 10% of the weight of the MOX fuel pellet. Depleted uranium is used as a diluent, making up the remaining 90+% of the fuel pellets. Around 2011 MELOX switched its supplier of U-oxide powder to AREVA's Lingen, Germany fuel fabrication facility. The previous supplier in France has ceased operation. For various reasons, AREVA is now looking at several different alternatives for supply of U-oxide for MELOX. AREVA's Richland facility has been specifically asked to develop alternative types of U-oxide powder for testing and possible use as a supplement to, or substitute for, the Lingen powder.

This export license application covers three distinct phases of Richland support to MELOX, as follows:

1. Provision of relatively small quantities (up to approx. 200 kgs) of depleted UO₂ powder to support research and development/process development activities. This powder will be utilized in test lab settings and will essentially be consumed in the process, i.e. none of it will be used in eventual fuel production. MELOX indicates a need for this material this summer (2014) in order to make decisions on larger scale testing later in 2014.
2. Provision of larger quantities of depleted UO₂ powder (approx. 3-5 metric tons) for the sake of qualification testing in actual production equipment. This material, depending on the results of the qualification tests, may actually end up in fuel sent to a customer. MELOX indicates a need for this powder in November 2014 to support qualification testing before the end of 2014.
3. Eventual provision of depleted UO₂ powder to support MELOX's actual MOX fuel production activities. As such, Richland would be supplying up to 100,000 kgs (100MT) of powder per year, which would be used as MELOX's depleted uranium blending stock (diluent) for its mixed oxide fuel.

MAR 24 2014



March 24, 2014
LJM:14:009

U.S. Nuclear Regulatory Commission
Attn: M. R. Shaffer, Director
Office of International Programs
One White Flint North
11555 Rockville Pike, Mail Stop 04 E21
Rockville, MD 20852-2738

Dear Mr. Shaffer:

Subject: Application for Export License for Shipment of Depleted UO_2 Powder to AREVA
MELOX Facility

Attached please find an export license application to authorize shipments of depleted uranium dioxide (UO_2) powder from AREVA's Richland fuel fabrication facility to AREVA's MELOX mixed oxide fuel fabrication facility in France. This application, as explained more fully under Ultimate End Use (Box 9a) of the application form itself, covers the shipment of depleted UO_2 powder for three phases of Richland support to MELOX, namely: 1) small initial quantities for research and development/process development purposes; 2) intermediate follow-up quantities for qualification testing in MELOX production equipment; and 3) larger production-support quantities of powder to support actual mixed oxide fuel production activities.

Please note that this application obviates the need for an export license application conveyed to you by letter of March 18, 2014. That application covered only the small quantities of R&D-related powder; as such that application can be set aside from further consideration by the NRC. The broader application being submitted at this time is accompanied by an Authorization for Payment by Credit Card in the amount of \$17,700, the full cost of the license. As such, please also discard the \$4,400 authorization form that accompanied the original application.

As indicated in our March 18 letter and as further discussed with members of your staff (Baker, Mayros, Chimood), Richland's support of the MELOX plant is a relatively recent development and, of necessity, a fast track item. We are aware of the time constraints and multiple party involvement in the overall export license process. That being said, AREVA would appreciate any efforts that can be made by the NRC to expedite the processing of this particular application. AREVA will be in contact with our French counterparts to enlist their support in expediting efforts within France.

If you have any questions, please contact me at (509) 375-8537.

Very truly yours,

A handwritten signature in black ink that reads 'L. J. Maas'.

L. J. Maas, Manager
Licensing & Compliance

REL
MAR 24 2014
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AREVA NP INC.

2101 Horn Rapids Road, Richland, WA 99354
Tel.: 509 375 8100 www.aveva.com

Mr. Shaffer
March 24, 2014

LJM:14:009
Page 2

Enclosure

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MAR 24 2014
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