

<b>NRC FORM 7</b> (8-2010) 10 CFR 110		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		<b>APPROVED BY OMB: NO. 3150-0027</b>		<b>EXPIRES: 08/31/2012</b>	
<b>APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, OR RENEWAL</b> <i>(See Instructions on Pages 4 and 5)</i>				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 Records and FOIA/Privacy 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.			
<b>PART A. FOR NRC USE ONLY</b>		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED			
LICENSE NUMBER <b>XS NM 3680</b>		DOCKET NUMBER <b>11005930</b>		ADAMS ACCESSION NUMBER			
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS</b> (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 <b>U. S. Department of Energy (DOE)/National Nuclear Security Administration (NNSA)          Y-12 National Security Complex          301 Bear Creek Road          Oak Ridge, TN 37831</b>		1a. NAME OF APPLICANT'S CONTACT <b>Becky G. Eddy</b>		1b. APPLICANT'S REFERENCE NUMBER <b>RERTR -2-LEU-11</b>			
		1c. PHONE NUMBER <b>865-576-4119</b>		1d. FAX NUMBER <b>865-574-0492</b>			
		1e. E-MAIL ADDRESS <b>eddybg@yso.doe.gov</b>					
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 Existing License Number: _____							
3. CONTRACT NUMBER(S) <b>PSA</b>		4. FIRST SHIPMENT DATE <b>07/01/2011</b>		5. LAST SHIPMENT DATE <b>09/30/2011</b>		6. PROPOSED EXPIRATION DATE <b>06/30/2012</b>	
<b>PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS</b> (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 <b>U.S. Department of Energy          National Nuclear Security Administration          Y-12 National Security Complex          301 Bear Creek Road          Oak Ridge, TN 37831</b>		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) <b>Manufacutre of Fuel Elements Plant          Center of Nuclear Studies Lo Aguirre          Km 28 de la Ruta 68          Pudahuel, Santiago, Chile</b>		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) <b>Comision Chilena De Energia Nuclear          Chilean Experimental Reactors          RECH-1 and RECH-2          Santiago, Chile</b>  <b>See page 3</b>			
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED <b>Supplier</b>		8a. INTERMEDIATE USE(S) <b>Fuel Element Fabrication</b>		9a. ULTIMATE END USE(S) <b>Fuel in RECH-1 and RECH-2</b>			
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT <b>6.58 kg uranium-235 contained in maximum of 33 kg uranium, enriched to maximum of 19.95%, in the form of broken metal.</b>		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) <b>33 kgU</b>		10b. MAX ENRICHMENT OR WGT % <b>19.95 % U-235</b>		10c. MAX ISOTOPE WGT (KG) <b>6.58 kg U-235</b>	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) <b>100% US Obligation</b>							
APR 06 2011 <i>Feb</i>							

NRC FORM 7  
(8-2010)  
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION


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

LICENSE NUMBER <i>RSNM 3680</i>	DOCKET NUMBER <i>11005430</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) (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, OR RENEWALS**

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	
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 <b>Becky G. Eddy</b> DOE NNSA Y-12 Site Office, Program Manager	18b. SIGNATURE -- AUTHORIZED OFFICIAL 	18c. DATE <i>04/04/2011</i>

*Rec'd*  
APR 06 2011  
*Jans*

NRG FORM 7  
(8/2010)  
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER <b>XJ NM 3680</b>	DOCKET NUMBER <b>11005930</b>	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, Part B, Block 3 - Contract Number(s):**

Product and Supply Agreement (PSA) with the IAEA, "Agreement between the International Atomic Energy Agency, the Government of Chile and the Government of the United States of America Concerning the Transfer of Enriched Uranium for Two Research Reactors" and IAEA Reactor Project GOV/2011/12, "Request by Chile for Assistance in Securing the Transfer of Low Enriched Uranium for Research Reactors"

**Page 1, Part B, Block 4 and 5 - Shipping Dates:** Ship Dates do not reflect specific ship dates. The time-frame anticipated for delivery is reflected as first and last ship date.

**Page 1, Part C, Block 7 and 7a. Other parties to the Export:**

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

**Edlow International Company (Transport Services)**

1666 Connecticut Avenue, N.W. #201  
Washington USA

**Page 1, Part C, 8a. For use in the fabrication of Material Test Reactor (MTR) LEU Fuel for RECH-1 and RECH-2 Reactors.**

**Page 1, Part C, 9 - Name and Address of Ultimate Foreign Consignee**

Comision Chilena de Energia Nuclear or Chilean Nuclear Energy Commission (CCHEN)

**RECH-1:**

Centro de Estudios Nucleares La Reina  
Avda. Nueva Bilbao 12501  
Comuna de La Condes  
Casilla 188-D  
Santiago, Chile

**RECH-2:**

Centro de Estudios Nucleares Lo Aguirre  
Kilómetro 20 de la ruta 68  
Casilla 188-D  
Santiago, Chile

**Fuel Fabrication Facility:**

Centro de Estudios Nucleares Lo Aguirre  
Kilómetro 20 de la ruta 68  
Casilla 188-D  
Santiago, Chile

**Page 1, Part C, Block 9a. For use as LEU fuel in the RECH-1 and RECH-2 Reactors. For use as LEU fuel in the RECH-1 and RECH-2 Reactors. Initial LEU fuel load for RECH-2 that was de-fueled of all highly enriched uranium in 2010, and LEU fuel reload for RECH-1.**

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**APR 06 2011**  
*jons*



**U.S. Department of Energy**  
National Nuclear Security Administration  
Post Office Box 2050  
Oak Ridge, Tennessee 37831-8009



April 4, 2011

Mr. Scott W. Moore, Deputy Director  
Office of International Programs  
U. S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, Maryland 20852-2738

Dear Mr. Moore:

**EXPORT LICENSE APPLICATION FOR LOW ENRICHED URANIUM EXPORT TO THE CHILEAN NUCLEAR ENERGY COMMISSION FOR USE IN THE CHILEAN EXPERIMENTAL REACTORS (RECH-1 AND RECH-2)**

Enclosed is a U.S. Department of Energy (DOE) application for a license to export low enriched uranium (LEU) to the Chilean Nuclear Energy Commission (CCHEN) for the fabrication of fuel elements to be used in the Chilean Experimental Reactors RECH-1 and RECH-2 (Enclosure 1). The proposed export is required to support a Project Supply Agreement between the International Atomic Energy Agency, the Government of Chile, and the Government of the United States of America concerning the transfer of enriched uranium for use in the CCHEN research reactors, including providing replacement enriched uranium for the initial LEU fuel load to be used in the RECH-2 reactor from which all highly enriched uranium (HEU) fuel was removed and returned to the United States in 2010.

The export license application has been determined to be unclassified, non-sensitive. An Interagency Agreement between DOE and the Nuclear Regulatory Commission (NRC) was executed on June 30, 2010, and subsequent modifications, for Fiscal Year 2011 NRC export licensing services and fees have also been executed. There are sufficient funds available for processing this export license.

NNSA requests that NRC process the export license application to support delivery of the material during summer 2011.

If you have any questions or require additional information, please contact me at (865) 576-4119 or [eddybg@yso.doe.gov](mailto:eddybg@yso.doe.gov).

Sincerely,

Becky G. Eddy  
Program Manager  
Y-12 Site Office

Enclosure

APR 06 2011

*eddy*

Mr. Scott W. Moore

-2-

April 4, 2011

cc w/enclosure:

S. Dickerson, NA-212, LENF955

T. Nelson, 301BCR, MS 8112, B&W Y-12

cc w/o enclosure:

P. Kirby, Y12-10, YSO

M. Livesay, Y12-10, YSO

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