



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 <b>XCOM1220</b>	DOCKET NUMBER <b>11005911</b>	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, 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 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 <b>Sheila K. Pershall Export Administrator</b>	18b. SIGNATURE -- AUTHORIZED OFFICIAL <i>Sheila K Pershall</i>	18c. DATE <b>01/07/2011</b> <i>reed</i>

FEB 01 2011  
*JC*

NRC FORM 7  
(6-2010)  
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER XCOM1220	DOCKET NUMBER 11005911	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)

Process and development of replacement pressure tubes for Embalse Nuclear Power Plant.

Rec'd  
FEB 01 2011  
JC



CONUAR S.A.

Buenos Aires, January 14, 2011

END-USER STATEMENT

Exporter: WAH CHANG  
1600 N.E. Old Salem Road  
Albany, Oregon 97321-D460  
United States

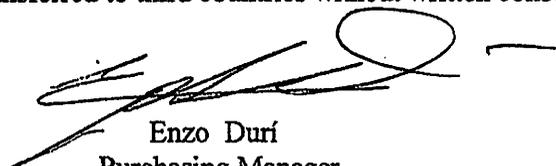
Importer: CONUAR-COMBUSTIBLES NUCLEARES ARGENTINOS S.A.  
EZEIZA, BUENOS AIRES-ARGENTINA

To be imported as per purchase order 33529:

- 10 Pressure tubes of Zirconium 2.5% Nb.  
External diameter 4.710 "  
Thickness : 0.235 "  
Length : 220.00 "

CONUAR confirm that the above material:

1. Will be used to replace pressure tubes in Embalse Nuclear Power Plant.
2. Will only be used solely for peaceful purposes and not for development of nuclear explosives.
3. Shall not be transferred to third countries without written consent of the exporter.

  
Enzo Duri  
Purchasing Manager

XCOMIZZO

Rec'd

FEB 01 2011

JC

Presbitero Juan Gonzalez y Aragon Nro.15  
Centro Atómico Ezeiza (B1802AYA) Partido de Ezeiza  
Pcia. Buenos Aires - Argentina  
Phone 54-11-6326-1300 Fax 54-11-6326-1492

SO# 148007



S/O 148007

CONUAR S.A.  
Presbítero Juan González y Aragón Nro. 15  
(B1802AYA) Partido de Ezeiza - Pcia. de Buenos Aires.  
Tel. 54-11-6326-1300 FAX : 54-11-6326-1492  
C.U.I.T. 30-58967380-4

Señores PROVEEDOR 20010  
WAH CHANG  
1600 N.E. OLD SALEM ROAD  
ALBANY-OREGON (97321)  
. - U.S.A.  
CUIT: 00000000000000 TEL:1-541-926-4211 /FAX:(1)(541)9676994

ORDEN DE COMPRA CERRADA  
No. 033529 HOJA 1 de 2  
REIMPRESION  
FECHA EMISION 10/09/2010  
COMPRADOR: I D

ITM	CODIGO MATERIAL	FECHA ENTREGA	UM	CANTIDAD	PRECIO UNITARIO
1	SN1004-001-01	10/12/10	CU	10.00	14022.2600
WAH CHANG EXTRUDED HOLLOW.PRESSURE TUBE HOT EXTRUDED HOLLOW OF ZIRCONIUM - 2.5 % NB, MANUFACTURED ACCORDING TO THE SECTIONS APPLICABLE OF AECL SPECIFICATION RT-31110-TS-001 AND THE FOLLOWING ADDITIONAL REQUIREMENTS: MICROSTRUCTURE OF THE HOT EXTRUSION -CRYSTALLOGRAPHIC TEXTURE FR 0.27 TO 0.39 ( $\pm 0.02$ )2; FT 0.55 TO 0.67 ( $\pm 0.02$ )2; FL 0.03 TO 0.09 ( $\pm 0.02$ )2. -AVERAGE RADIAL THICKNESS OF ELONGATED ALPHA GRAINS (MICRO METER) FRONT END = $0.52 \pm 0.20$ ; BACK END = $0.39 +0.2, -0.1$ -BILLET SOAK TEMPERATURE: $820^{\circ} +15 / -10^{\circ}C$ AT 15 MINUTES MAXIMUM - <i>make to this</i> ADDITIONAL QUALITY REQUIREMENTS CONUAR WILL PERFORM A QUALIFICATION PLAN ONLY ON THE HOT EXTRUSION PROCESS. THE PREVIOUS MANUFACTURING PROCESS ARE ALREADY QUALIFIED BY AECL. WAH CHANG SHALL SUBMIT A MANUFACTURING AND INSPECTION TEST PLAN (MITP) FOR CONUAR ACCEPTANCE. CONUAR WILL PUT VERIFICATION, WITNESS AND HOLD POINTS. MICROSTRUCTURE EXAMINATION SHALL BE PERFORMED ON FRONT AND BACK ENDS SAMPLES EXTRACTED FROM EVERY EXTRUSIONS. -DIMENSIONS OF THE HOT EXTRUDED HOLLOW ARE INDICATED ON THE CONUAR DRAWING P-1004-001-05.					

LOS PRECIOS ESTAN EXPRESADOS EN DOLARES	SUBTOTAL:	140222.60
	I.V.A. :	0.00
	TOTAL :	140222.60

NOTA: -DRAWING P-1004-001-05 REVISION 0

-APPROVED DEVIATIONS:

- BILLET HEATING TEMPERATURE:  $835 \text{ DEGREES C} \pm 10 \text{ DEG C}$  - *See communication sheet.*
- MAXIMUN ECCENTRICITY: 7% . WAH CHANG WILL AIM FOR MAXIMUN 5%.
- ID SURFACE WILL BE AS-EXTRUDED,BLASTED AND PICKLED.
- OD SURFACE CAN BE BELT-SANDED TO MEET THE REQUIREMENT.
- OD TOLERANCE WILL BE INFORMED BY CONUAR BEFORE EXTRUSION.

-QUALITY ASSURANCE REQUIREMENTS:

- A-THE APPLICABLE QUALITY SYSTEM PROGRAM REQUIREMENTS ARE THE ONES  
WITHIN THE SCOPE OF CONUAR'S AUDIT AU-P/003 (CARRIED OUT ON OCTOBER

CONDICION DE PAGO:VER TEXTO

LUGAR DE ENTREGA: PLANTA EZEIZA  
FLETE:A CARGO DEL PROVEEDOR

VER CONDICIONES GENERALES ADJUNTAS QUE FORMAN PARTE DE ESTA ORDEN DE COMPRA

XCOM1220

Rec'd  
FEB 01 2011  
JC



**CONUAR S.A.**  
 Presbítero Juan González y Aragón Nro. 15  
 (B1802AYA) Partido de Ezeiza - Pcia. de Buenos Aires.  
 Tel. 54-11-6326-1300 FAX : 54-11-6326-1492  
 C.U.I.T. 30-58967380-4

señores PROVEEDOR 20010  
 WAH CHANG  
 1600 N.E.OLD SALEM ROAD  
 ALBANY-OREGON (97321)  
 . - U.S.A.  
 CUIT: 00000000000000000000 TEL:1-541-926-4211 /FAX:(1) (541)9676994

**ORDEN DE COMPRA CERRADA**  
**No. 033529** HOJA 2 de 2  
 REIMPRESION  
 FECHA EMISION 10/09/2010  
 COMPRADOR: 1 D

CODIGO ITM MATERIAL	FECHA ENTREGA	UM	CANTIDAD	PRECIO UNITARIO
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28,2008) :  
 ISO 9001:2008 PLUS THE FOLLOWING CLAUSES:  
 CSA Z299.3-85 CLAUSES 3.2.5 AND 3.5.6 AND  
 NCA-3800,CLAUSES 3855.2, 3856, 3859 AND 3862  
 B-THE SUPPLIER SHALL GIVE CONUAR'S STAFF AND OR REPRESENTATIVE FREE  
 ACCESS TO THE SUPPLIER'S AND SUBCONTRACTORS' FACILITIES AND RECORDS.  
 C- THE SUPPLIER SHALL SUBMIT A CERTIFIED MATERIAL TEST REPORT (CMRT)  
 IN ACCORDANCE WITH NCA 3800, PARAGRAPH 3860  
 THE REVIEW AND DATE OF THE APPLICABLE WRITTEN QUALITY SYSTEM PROGRAM  
 SHALL BE INDICATED IN THE CERTIFIED MATERIAL TEST REPORT (CMTR)  
 D-THE RETENTION PERIOD AND DISPOSITION OF QUALITY SYSTEM PROGRAM  
 RECORDS SHALL BE AS ESTABLISHED IN WAH CHANG QUALITY ASSURANCE  
 MANUAL (QSM) REV.6 (DATED FEBRUARY9,2010)  
 E-THE SUPPLIER SHALL INFORM CONUAR ON NON-CONFORMANCES FOR THEIR  
 ANALYSIS AND DISPOSITION.

-COMMERCIAL TERMS:  
 -PRICES: FIXED IN USD, CPT BUENOS AIRES PORT.  
 -DELIVERY TIME: TO SHIP IN 13 WEEKS.  
 -PAYMENT TERMS: 100% 90 DAYS FROM INVOICE DATE.  
 -VERY IMPORTANT: IF YOU WILL USE WOOD PACKAGING MATERIAL MADE  
 OF UNPROCESSED RAW WOOD, INCLUDING DUNNNAGEM, IT MUST BE TREATED AS  
 AS PER OUTLINE SET FORTH IN ISPM15  
 (INTERNATIONAL PHYTOSANITARY STANDARD FOR WOOD PACKAGING) FROM FAO  
 (FOOD AND AGRICULTURAL ORGANIZATION) AND MARKED AS SUCH IN ACCORDANCE  
 WITH ANNEX II OF SAID GUIDELINE.  
 FUMIGATION CERTIFICATE MUST BE SENT TOGETHER SHIPPING DOCUMENTS.  
 OTHERWISE MATERIAL WILL BE STOPPED IN CUSTOM HOUSE.  
 -THIS ORDER IS SENT TO YOUR REPRESENTATIVE R.C.INTERNATIONAL  
 CORRIENTES 2958 P11 OF 38,BUENOS AIRES,ARGENTINA.

CONDICION DE PAGO:VER TEXTO | LUGAR DE ENTREGA: PLANTA EZEIZA  
 | FLETE:A CARGO DEL PROVEEDOR

VER CONDICIONES GENERALES ADJUNTAS QUE FORMAN PARTE DE ESTA ORDEN DE COMPRA

XCOM1220  
 Rec'd  
 FEB 01 2011  
 JC



Wah Chang  
1600 NE Old Salem Road; P.O. Box 460, Albany, OR 97321-0460  
Phone: (541) 926-4211 Fax: (541) 967-6990  
Web site: [www.wahchang.com](http://www.wahchang.com)

January 11th, 2011

Deputy Director  
Office of International Programs  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, Maryland 20852

Attached is a license application for export of Zirconium 2.5% Niobium Extrusion Tubes to Conuar Combustibles Nucleares Argentinos SA in Argentina. I have included a check for \$4,100, and end use statement, and their purchase order.

Please let me know if you have questions or need additional information. You can reach me by phone at 541-917-6712, email to [sheila.pershall@atimetals.com](mailto:sheila.pershall@atimetals.com), or by fax to 541-967-6990.

Sincerely,

A handwritten signature in cursive script that reads "Sheila Pershall".

Sheila Pershall  
Export Administrator

Attachments

XCOM 1220

Rec'd

FEB 01 2011

JC