

**APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT**

(See Instructions on Reverse)

1. APPLICANT'S USE	a. DATE OF APPLICATION 4/17/2006	b. APPLICANT'S REFERENCE	2. NRC USE	a. DOCKET NUMBER 11005627	b. LICENSE NUMBER X304880
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3. APPLICANT'S NAME AND ADDRESS			4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier)		
a. NAME Cabot Supermetals Div. of Cabot Corp.			a. NAME		
b. STREET ADDRESS (Facility Site) County Line Road			b. STREET ADDRESS		
c. CITY Boyertown		d. STATE PA	e. ZIP CODE 19512		c. CITY
f. TELEPHONE NUMBER 610-369-8451	g. FAX 610-369-8554	h. E-MAIL		d. STATE	e. ZIP CODE

5. FIRST SHIPMENT SCHEDULED June 2006	6. FINAL SHIPMENT SCHEDULED June 2008	7. APPLICANT'S CONTRACTUAL DELIVERY DATE June 2006	8. PROPOSED LICENSE EXPIRATION DATE June 2008	9. CONTRACT NO.
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10. ULTIMATE FOREIGN CONSIGNEE		11. ULTIMATE END USE (Include plant or facility name)	
a. NAME SEE ATTACHMENT		SEE ATTACHMENT	
b. STREET ADDRESS (Facility Site)		11a. DATE REQUIRED	
c. CITY	d. COUNTRY	13. INTERMEDIATE END USE	

12. INTERMEDIATE FOREIGN CONSIGNEE		13. INTERMEDIATE END USE	
a. NAME		13a. DATE REQUIRED	
b. STREET ADDRESS (Facility Site)		15. INTERMEDIATE END USE	
c. CITY	d. COUNTRY	15a. DATE REQUIRED	

14. INTERMEDIATE FOREIGN CONSIGNEE		15. INTERMEDIATE END USE	
a. NAME		15a. DATE REQUIRED	
b. STREET ADDRESS (Facility Site)		RECEIVED	
c. CITY	d. COUNTRY	2006 MAY -5 PM	

16. COM CODE	17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)	18. MAX. ELEMENT WEIGHT	19. MAX. WT. %	20. MAX ISOTOPE WEIGHT	21. UNIT
	Natural Uranium and Thorium as contaminants contained in 2,000,000kg of tantalum bearing raw materials	12,000 6,000		Natural U Natural Th	kg kg

22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE (Use separate sheet if necessary)  
SEE ATTACHMENT

23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary)

24. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations; and that all information in this application is correct to the best of his/her knowledge.

25. AUTHORIZED OFFICIAL	a. SIGNATURE 	b. TITLE Materials Acquisition Manager
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## U.S. NUCLEAR REGULATORY COMMISSION

### INSTRUCTIONS FOR PREPARATION OF APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT, NRC FORM 7

One signed, original of NRC Form 7 must be submitted by the applicant to the Deputy Director, Office of International Programs, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or delivered in person to the Commission's Offices at 11555 Rockville Pike, Rockville, Maryland. Except for the shaded areas, all applicable items on this form should be completed, to the extent the information is available at the time the application is submitted.

An applicant for an export license must make full disclosure of all recipients of the proposed export so that a decision on the application may be made with full knowledge of all relevant facts. The name(s) and address(es) of the plant, facility, firm, or location where the material may be handled, stored, converted, or fabricated and where the material ultimately will be used, together with precise facts concerning the use that will be made of the items to be exported by each intermediate and ultimate consignee must be stated. The materials or equipment to be exported must be fully and accurately described in detail. If more space is needed, attach an additional sheet of paper.

The following is excerpted from the Nuclear Regulatory Commission regulations prescribing procedures and standards for the export and import of nuclear equipment and nuclear material. For the complete codification of NRC's export and import regulations, applicants for licenses should refer to Title 10 of the Code of Federal Regulations Chapter 1 Part 110.

#### § 110.31 Application for a specific license

(a) A person shall file an application for a specific license to export or import with the Deputy Director, Office of International Programs, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. The application may be delivered to the Commission's Offices at 11555 Rockville Pike, Rockville, Maryland 20852.

(b) An application for a specific license to export or import must be accompanied by the appropriate fee in accordance with the fee schedule in §170.21 and §170.31 of this chapter. A license application will not be processed unless the specified fee is received.

(c) A license application should be filed on NRC Form 7, except that an import license application and a production or utilization facility export license application should be filed by letter.

(d) Each person shall provide in the license application, as appropriate, the information specified in §110.32. The Commission also may require the submission of additional information if necessary to complete its review.

(e) An application may cover multiple shipments and destinations.

(f) The applicant shall withdraw an application when it is no longer needed. The Commission's official files retain all documents related to a withdrawn application.

#### §110.32 Information required in license applications for a specific license/NRC Form 7.

(a) Name, address, telephone, FAX, and E-mail of applicant.

(c) Associated foreign obligations by country and percentages.

(d) Names and addresses of all intermediate and ultimate consignees, other than intermediate consignees performing shipping services only.

(e) Dates of proposed first and last shipments.

(f) Description of the equipment or material including, as appropriate, the following:

(1) Maximum quantity of material in grams or kilograms (curies for byproduct material) and its chemical and physical form.

(2) For enriched uranium, the maximum weight percentage of enrichment and maximum weight of contained U-235.

(3) For nuclear equipment, total dollar value.

(4) For nuclear reactors, the name of the facility and its design power level.

(5) For proposed exports or imports of radioactive waste, and for proposed exports of incidental radioactive material, the volume, classification (as defined in §61.55 of this chapter), physical and chemical characteristics, route of transit of shipment, and ultimate disposition (including forms of management) of the waste.

(6) For proposed imports of radioactive waste—the industrial or other process responsible for generation of the waste, and the status of the arrangements for disposition, e.g., any agreement by a low-level waste compact or State to accept the material for management purposes or disposal.

(7) Description of end use by all consignees in sufficient detail to permit accurate evaluation of the justification for the proposed export or import, including the need for shipment by the dates specified.



Supermetals

X5048808  
11005627

May 2, 2002

U.S. Nuclear Regulatory Commission  
Office of International Programs  
Mail Station 04E9  
11555 Rockville Pike  
Rockville, MD 20852-2738

To Whom It May Concern:

Enclosed please find our completed NRC Form 7 (APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT) as well as our check in the amount of \$1,600.00 made payable to the U.S. Nuclear Regulatory Commission.

This new license is intended as a replacement for NRC license number XSOU8792 that was issued on January 9, 2003.

Do not hesitate to contact me if I can be of any assistance in this approval process. I can be reached at:

610-369-8451 (office phone)  
610-587-8574 (cell phone)  
610-369-8554 (fax)  
Paul\_Rutter@Cabot-corp.com

Sincerely,  
Cabot Performance Materials

Paul Rutter  
Materials Acquisition Manager

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Supermetals

X5048808

## NCR FORM 7 ATTACHMENT

### 10. Ultimate Foreign Consignee:

AS Silmet  
Kesk tn 2 40231  
Sillamae, Estonia

Companhia Industrial Fluminense  
Rua Geraldo Flausino Gomes  
Sao Paulo, Brazil

Conghua Tantalum & Niobium Smeltery  
Shengang Town, Conghua City  
Guangdong, China, P.C. 510980

Duoloshan Sapphire Rare Metal Co Ltd. of Zhaoqing  
Sihui Dadao South Sihui City  
Guangdong, China

F&X Electro-Materials Ltd  
Yaxi Industrial Development Zone, XinHui District  
Jiangmen City, Guangdong, China, P.C. 529152

Fogang Jiata Metals Co., Ltd  
Chengnan Industrial Zone, Fogang  
Guangdong, China

Gui-Family Tantal-Niobium LTD.  
Shi Shi Town, Yifeng County,  
Jiangxi Province, China, P.C. 336307

Hengyang Kingxing-Lifeng New Materials Co., Ltd  
Zhu Hui Area, Son Jia One Num  
Lion Mountain, HengYang, Hunan, China, P.C. 421000

Jiujiang Tanbre's Smeltery  
P.O. Box 19, Jiujiang  
Jiangxi, China

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Mitsui Mining & Smelting Co., Ltd.  
1-11-1 Osaki, Shingawa-ku  
Tokyo, Japan

Ningxia Non-Ferrous Metals Import and Export Corp.  
101 Yejin Road, Dawukou District, Shizuishan City  
Ningxia, China

Ulba Metallurgical Plant  
102, Abay Ave., 492026, Ust-Kamenogorsk  
Kazakhstan Republic

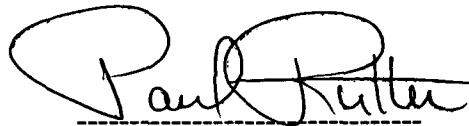
Zhuzhou Cemented Carbide Works  
Zhuzhou  
Hunan, China

11. Ultimate End Use

The recovery of the contained tantalum and niobium for the production of potassium tantalum fluoride, tantalum oxide, niobium oxide and tantalum powder. All are non-nuclear end uses.

22. Country Of Origin:

The materials will be purchased from any of the countries producing tantalum bearing raw materials including the following: Australia, Bolivia, Brazil, Burundi, Canada, China, Cote d'Ivoire, Estonia, Ethiopia, French Guyana, Greenland, India, Indonesia, Ireland, Kazakhstan, Malaysia, Mozambique, Namibia, Nigeria, Russia, Rwanda, Sierra Leone, Spain, Thailand, Uganda and Zimbabwe. None of the material we plan to export will meet the reporting requirements of NRC Form 741.



Paul Rutter