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# APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT

(See Instructions on Reverse)

1. APPLICANT'S USE	a. DATE OF APPLICATION June 1, 2005	b. APPLICANT'S REFERENCE BR2-HEU06	2. NRC USE	a. DOCKET NUMBER 11005562	b. LICENSE NUMBER KSNM03404
3. APPLICANT'S NAME AND ADDRESS			4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier)		
a. NAME Becky G. Eddy (NNSA, Y-12 National Security Complex)			a. NAME Y-12 National Security Complex/BWXT Y-12		
b. STREET ADDRESS (Facility Site) P.O. Box 2060, Bear Creek Road			b. STREET ADDRESS Bear Creek Road		
c. CITY Oak Ridge	d. STATE TN	e. ZIP CODE 37831	c. CITY Oak Ridge		d. STATE TN
f. TELEPHONE NUMBER (865) 576-4119	g. FAX (865) 241-4331	h. E-MAIL eddybg@y12.doe	e. ZIP CODE 37831		
5. FIRST SHIPMENT SCHEDULED	6. FINAL SHIPMENT SCHEDULED	7. APPLICANT'S CONTRACTUAL DELIVERY DATE	8. PROPOSED LICENSE EXPIRATION DATE 12/31/2007	9. CONTRACT NO.	

10. ULTIMATE FOREIGN CONSIGNEE		11. ULTIMATE END USE (Include plant or facility name)	
a. NAME Studiecentrum voor Kernenergie (SCK)		To be used as fuel elements in the SCKs BR2 research reactor during 2008-2011	
b. STREET ADDRESS (Facility Site) Boeretang 200		11a. DATE REQUIRED 06/30/2007	
c. CITY Mol	d. COUNTRY Belgium	13. INTERMEDIATE END USE	
12. INTERMEDIATE FOREIGN CONSIGNEE		Fuel Fabrication (est. scraps (17%) + losses (2%) from fabrica	
a. NAME CERCA		13a. DATE REQUIRED 04/01/2006	
b. STREET ADDRESS (Facility Site) Les Berauds		15. INTERMEDIATE END USE	
c. CITY Romans-sur-Isere	d. COUNTRY France	15a. DATE REQUIRED	
14. INTERMEDIATE FOREIGN CONSIGNEE			
a. NAME			
b. STREET ADDRESS (Facility Site)			
c. CITY	d. COUNTRY		

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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
	Maximum of [redacted] of Uranium, broken into [redacted] enriched to a maximum enrichment of [redacted] (weight percent U-235). <i>High Enriched Uranium</i>	[redacted]	[redacted]	[redacted]	[redacted]

22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE (Use separate sheet if necessary)  
US 100%

23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary)  
Other parties to the Export: BWXT Y-12, LLC, Bear Creek Road, Oak Ridge, TN 37831 (NNSA Contractor)  
\*Delivery date between Jan 1, 2006 and March 31, 2006 (see No. 5 and No. 6 above)

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 <i>[Signature]</i>	b. TITLE DOE NNSA Program Manager
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*PUBLIC*



Department of Energy

National Nuclear Security Administration  
P. O. Box 2050  
Oak Ridge, Tennessee 37831-8009



June 1, 2005

XSNM03404  
11005562

Ms. Margie Doane, Deputy Director  
Office of International Programs  
U. S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, Maryland 20852-2738

Dear Ms. Doane:

**APPLICATION FOR EXPORT LICENSE FOR THE DEPARTMENT OF ENERGY SHIPMENT OF HIGHLY ENRICHED URANIUM TO STUDIECENTRUM VOOR KERNENERGIE FOR USE IN THE BR-2 RESEARCH REACTOR**

Enclosed is a U.S. Department of Energy (DOE) application for a license to export Highly Enriched Uranium (HEU) to Studiecentrum voor Kernenergie (SCK). The export license is required in order for the DOE National Nuclear Security Administration (NNSA) to provide a delivery of HEU to SCK for the fabrication of fuel elements for continued operation of the SCKs BR-2 research reactor in Belgium. The shipment is scheduled for [REDACTED]

Please refer to the May 24, 2005, correspondence package (Enclosure 2) that provides additional information to support the SCK request for U.S. supply of HEU for the BR-2 research reactor.

If you have any questions or require additional information, please contact me at (865) 576-4119 or [eddybg@y12.doe.gov](mailto:eddybg@y12.doe.gov).

Sincerely,

Becky G. Eddy  
Program Manager  
Y-12 Site Office

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Enclosures:

- 1) NRC Form 7 (BR2-HEU06)
- 2) 5/24/05 letter, Gubal to Parker

cc w/enclosures:

D. Tousley, NA-20, FORS  
E. M. Parker, 9113, MS 8206, BWXT Y-12

cc w/o enclosures:

C. Elliott, Y12-10, YSO  
T. B. Olberding, Y12-30, YSO  
D. L. Wall, Y12-30, YSO