

APPLICATION FOR LICENSE TO EXPORT NUCLEAR
MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANTS USE		a. DATE OF APPLICATION 25 June 85		b. APPLICANT'S REFERENCE Mis-460		2. NRC USE		a. DOCKET NO. 1100 3769		b. LICENSE NO. XSNM 02229			
3. APPLICANT'S NAME AND ADDRESS a. NAME Transnuclear, Inc.						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) U.S. D.O.E. c/o Martin Marietta							
b. STREET ADDRESS One North Broadway						a. NAME Energy Systems, Y-12 Plant, Oak Ridge TN							
c. CITY White Plains				STATE NY		ZIP CODE 10601		b. STREET ADDRESS or Babcock & Wilcox, Nuclear Fuel Division,					
d. TELEPHONE NUMBER (Area Code - Number - Extension) ***Please call (703) 820-2450 upon issuance						c. CITY Lynchburg VA (see item 25)		STATE		ZIP CODE			
5. FIRST SHIPMENT SCHEDULED upon issuance of license		6. FINAL SHIPMENT SCHEDULED —		7. APPLICANT'S CONTRACTUAL DELIVERY DATE Same as item 5		8. PROPOSED LICENSE EXPIRATION DATE 3 years from date of issuance		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) unknown					
10. ULTIMATE CONSIGNEE a. NAME McMaster University						11. ULTIMATE END USE (Include plant or facility name) To be used as fuel assemblies for the McMaster Nuclear Reactor. (see attached End Use Statement)							
b. STREET ADDRESS 1280 Main Street West						11a. EST. DATE OF FIRST USE							
c. CITY - STATE - COUNTRY Hamilton, Ontario L8S4K1, Canada						13. INTERMEDIATE END USE							
12. INTERMEDIATE CONSIGNEE a. NAME CERCA						Possible intermediate for fabrication of fuel assemblies (see item 25)							
b. STREET ADDRESS 9-11 rue Georges Enesco						13a. EST. DATE OF FIRST USE							
c. CITY - STATE - COUNTRY 94000 Creteil, Cedex, France						15. INTERMEDIATE END USE							
14. INTERMEDIATE CONSIGNEE a. NAME						15a. EST. DATE OF FIRST USE							
b. STREET ADDRESS													
c. CITY - STATE - COUNTRY													
16. NRC USE		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 WT.		21. UNIT	
		Uranium in the form of uranium metal or uranium oxide, enriched to 93.3 w/o maximum. (see item 25)				4.911		93.3		4.582		Kgs	
		8507090187 850625 PDR XPORT XSNM-2229 PDR											
22. COUNTRY OF ORIGIN - SOURCE MATERIAL Unknown				23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED USA				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) Euratom Canada					
25. ADDITIONAL INFORMATION (Use separate sheet if necessary) If exported from U.S.D.O.E., material will be as uranium hexafluoride. If exported from Babcock & Wilcox, material will be as uranium oxide.													
26. 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.													
27. AUTHORIZED OFFICIAL				a. SIGNATURE Barbara A. Hannett				b. TITLE Traffic Coordinator					

RECEIVED
U.S. NRC
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EXPORT
INT'L SAFEGUARDS



RECEIVED
McMASTER UNIVERSITY
NUCLEAR REACTOR

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EXPORT IMPORT
INT'L SAFEGUARDS

1280 Main Street West
Hamilton, Ontario L8S 4K1
Telephone (416) 525-9140
Telex 061-8347

June 19, 1985.

Ms. B. Hannett,
Transnuclear, Inc.,
5205 Leesburg Pike,
Falls Church, Virginia 22041,
U.S.A.

Dear Ms. Hannett,

This letter confirms that McMaster University authorizes Transnuclear, Inc., to act as applicant for an export license for highly enriched uranium (HEU) to be incorporated into fuel assemblies for the McMaster Nuclear Reactor (MNR) at Hamilton, Ontario, Canada. These will be fabricated either by CERCA in France or by B & W at Lynchburg, Va.

The quantity of HEU concerned is 4.911 kg enriched up to 93.3%, i.e. containing a maximum of 4.582 kg of U-235, in the form of uranium metal, for the production of 24 MTR-type fuel assemblies. The assemblies are to be used as fuel for the MNR at Hamilton.

The intermediate consignee is either:

Companie pour L'Etude et la Réalisation de Combustibles,
Atomique (CERCA),
9-11 rue, Georges Enesco,
94000 Créteil Cedex,
FRANCE

or

Babcox & Wilcox,
Nuclear Fuel Division,
P.O. Box 785,
LYNCHBURG, VA 24505,
U.S.A.

Yours truly,

Peter C. Ernst,
Reactor Manager.

PCE:db

c.c. Dr. D.R. Smith