



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DCS/DF02

11

APR 19 1989

Mr. Carlton E. Thorne, Director
Office of Nuclear Export and Import Control
Bureau of Oceans and International
Environmental and Scientific Affairs
U.S. Department of State
Washington, D.C. 20520

Dear Mr. Thorne:

Enclosed please find a request from Transnuclear, Inc. to export 58.692 kilograms of high enriched uranium to Canada for use as NRU reactor fuel and target material.

Before taking action on this request, we would appreciate your views, in accordance with established procedures and from the overall perspective of the Executive Branch, as to whether the proposed export meets the applicable criteria in the Atomic Energy Act of 1954 as amended by the Nuclear Nonproliferation Act of 1978.

Sincerely,

A handwritten signature in dark ink, appearing to read "Marvin R. Peterson", with a long horizontal flourish extending to the left.

Marvin R. Peterson, Assistant Director
for International Security
International Programs
Office of Governmental and Public Affairs

Enclosure:
Appl. dtd 4/14/89
(XSNM02448 - Canada)

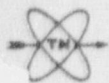
cc w/enclosure:
T. Hart, DOE
M. Rosenthal, ADCA
G. Oplinger, DOD
N. Martin, DOE
R. DeLaBarre, DOS

8904260279 890419
PDR XPORT
XSNM-2448 PDC

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

1. APPLICANT'S USE		a. DATE OF APPLICATION April 14, 1989		b. APPLICANT'S REFERENCE MIS-497		2. NRC USE		a. DOCKET NO. 11004166		b. LICENSE NO. XSNM02448							
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS											
a. NAME Transnuclear, Inc.						b. NAME U.S.D.O.E.											
b. STREET ADDRESS Two Skyline Drive						c. STREET ADDRESS c/o Martin Marietta Energy Systems, Inc.											
c. CITY Hawthorne			STATE NY		ZIP CODE 10532		d. STREET ADDRESS										
d. TELEPHONE NUMBER (Area Code - Number - Extension) 914-347-2345, Ext. 3056						e. CITY Oak Ridge			STATE TN		ZIP CODE 37830						
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)									
ASAP		N/A		Same as item 5		Three years from date of issuance		To be determined									
10. ULTIMATE CONSIGNEE						11. ULTIMATE END USE											
a. NAME Atomic Energy of Canada, Ltd.						(Include plant or facility name) Will be used in the fabrication of NRU Reactor fuel and target material for isotope productions. (Reactor Checklist to follow)											
b. STREET ADDRESS Chalk River Nuclear Laboratories						11a. EST. DATE OF FIRST USE											
c. CITY - STATE - COUNTRY Chalk River, Ontario, Canada K0J 1J0																	
12. INTERMEDIATE CONSIGNEE						13. INTERMEDIATE END USE											
a. NAME																	
b. STREET ADDRESS																	
c. CITY - STATE - COUNTRY																	
14. INTERMEDIATE CONSIGNEE						15. INTERMEDIATE END USE											
a. NAME																	
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, enriched to a maximum 93.35 percent Uranium 235		Uranium 58.692		93.35		Uranium 235 54.789		Kgs			
22. COUNTRY OF ORIGIN - SOURCE MATERIAL						23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED						24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)					
U.S.A.						Canada											
25. ADDITIONAL INFORMATION (Use separate sheet if necessary)																	
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 Patricia B. Quain				b. TITLE Traffic Coordinator									

8904260253 LP.



TRANSNUCLEAR, INC.

April 14, 1989

United States Nuclear
Regulatory Commission
One White Flint North
Mail Stop 3-H-5
Washington, D.C. 20555

Attn: Mrs. Betty Wright

Re: Export License Application
TNY Ref: MIS-497

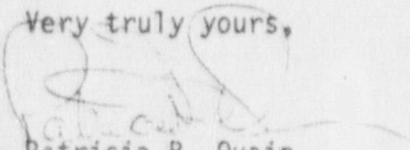
Dear Betty:

Enclosed is an export license application and its end use statement for your handling of the following:

54.789 Kgs Uranium-235, contained in 58.692 Kgs Uranium, in the form of metal, enriched to 93.35 w/o maximum.

AECL advises that the reactor checklist will follow. Please call me if you have any questions.

Very truly yours,


Patricia B. Quain
Traffic Coordinator

PBQ
Enclosures

LS:ms 81 MAY 68.

TWO SKYLINE DRIVE • HAWTHORNE, NEW YORK 10532-2120
TELEPHONE: 914-347-2345 • FAX: 914-347-2346 • TELEX: 681-8082

8904260252

2pp.



Atomic Energy
of Canada Limited
Research Company
Chalk River
Nuclear Laboratories

L'Énergie Atomique
du Canada, Limitée
Société de Recherche
Laboratoires Nucléaires
de Chalk River

Chalk River, Ontario
Canada K0J 1J0
Telephone: 613-584-3311
613-587-5581
Telex: 053-34555
Cable Address: "MOTA"

MAJOR FACILITIES DIVISION
Nuclear Materials Control Branch

1989 April 14

Ms. Quaine
Transnuclear Incorporated
Two Skyline Drive
Hawthorne, New York
U.S.A.
10532-2120

Dear Ms. Quaine:

CRNL PURCHASE ORDER CR38D 12621

The following is the "End Use" statement you may use in the USNRC export licence request for the 58.4 kg. High Enriched Uranium (93.15 ± 0.2 wt% U-235) referenced in the the above purchase order.

"The 58.4 Kg High Enriched Uranium (93.15 ± 0.2 wt% U-235) is to be used in the fabrication of NRU Reactor fuel and target material for isotope production. The fuel will be manufactured in Canada at AECL's Chalk River Nuclear Laboratories."

I trust this will suffice.

Yours truly,

DAM:cb

D.A. Millark

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