

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

REVISED

1. APPLICANT'S USE		2. DATE OF APPLICATION July 19, 1985		3. APPLICANT'S REFERENCE AECL-3		4. NRC USE		5. DOCKET NO. 11603765		6. LICENSE NO. XSNM2225	
7. APPLICANT'S NAME AND ADDRESS a. NAME Edlow International Company as agent for Atomic Energy of Canada, Ltd. b. STREET ADDRESS 1815 H Street, N.W., Suite 910 c. CITY Washington STATE DC ZIP CODE 20006						8. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) a. NAME U.S. Department of Energy b. STREET ADDRESS Y-12 Plant, Oak Ridge c. CITY Oak Ridge STATE TN ZIP CODE 37830					
9. FIRST SHIPMENT SCHEDULED August 1985		10. FINAL SHIPMENT SCHEDULED		11. APPLICANT'S CONTRACTUAL DELIVERY DATE September 1985		12. PROPOSED LICENSE EXPIRATION DATE One year from date of issue		13. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)			
14. ULTIMATE CONSIGNEE a. NAME Atomic Energy of Canada, Ltd. b. STREET ADDRESS Chalk River Nuclear Laboratories c. CITY - STATE - COUNTRY Chalk River, Ontario K0J 1J0						15. ULTIMATE END USE (Include plant or facility name) 23.1 Kgs of this material will be used to produce rods for NRU reactor. 69.2 Kgs will be used to fabricate initial core for Maple-X reactor. 11a. EST. DATE OF FIRST USE					
16. INTERMEDIATE CONSIGNEE a. NAME None b. STREET ADDRESS c. CITY - STATE - COUNTRY						17. INTERMEDIATE END USE None 13a. EST. DATE OF FIRST USE					
18. INTERMEDIATE CONSIGNEE a. NAME None b. STREET ADDRESS c. CITY - STATE - COUNTRY						19. INTERMEDIATE END USE None 15a. EST. DATE OF FIRST USE					
20. NRC USE		21. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components) Uranium as metal.  REVISED 8508010509 850724 PDR XPORT XSNM-2225 PDR				22. MAX. ELEMENT WEIGHT 92.3		23. MAX. WT. % 19.90		24. MAX ISOTOPE WT. 18.37	
25. COUNTRY OF ORIGIN - SOURCE MATERIAL		26. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED U.S.A.				27. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)					
28. ADDITIONAL INFORMATION (Use separate sheet if necessary) See attached end use statement. This application replaces the application of June 12, 1985.											
29. 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.											
30. AUTHORIZED OFFICIAL		31. SIGNATURE Joan N. Asmiller				32. TITLE Asst. Manager Operations					

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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

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Telex: 053-34555  
Cable Address: "MOTA"

P.O. CR 34C 14749

RD 10 3787


#### END USE STATEMENT

The 92.3 kg of 19.7 ( $\pm$  0.2) wt% enriched uranium is to be used in the development of low enriched uranium (LEU) fuel for Atomic Energy of Canada's research reactors at the Chalk River Nuclear Laboratories.

23.1 kg LEU will be used with current stocks to produce the first 30 production rods for the NRU reactor.

69.2 kilograms LEU will be used to fabricate the initial core for the new MAPLE-X reactor. The MAPLE-X reactor is to replace the NRX reactor which is scheduled to be shut down in the summer of 1987.

Both NRX and NRU reactors are presently fuelled with HEU.

  
J.W. Schreader  
1985 July 11

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