



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 29, 2000

Mr. Robin DeLaBarre
Non-Proliferation/Nuclear Energy Affairs (NP/NEA)
Department of State
Washington, DC 20520

Dear Mr. DeLaBarre:

Enclosed is an application for a license (XSNM03174), recently received by the Nuclear Regulatory Commission from the Department of Energy's New Brunswick Laboratory, for the export of certified reference materials containing high-enriched uranium to the Kiev Institute of Nuclear Research in the Ukraine for use as calibration standards in nondestructive assay measurements of uranium enrichment. These standards are to be supplied under DOE's MPC&A assistance program and will be used to verify the Institute's nuclear material inventory in order that they may be able to meet commitments to the International Atomic Energy Agency (IAEA).

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 requested export meets the applicable criteria in the Atomic Energy Act of 1954, as amended.

Sincerely,

Ronald D. Hauber, Deputy Director
Office of International Programs

Enclosure: Ltr. Dtd. 11/21/2000
(XSNM03174- Ukraine)

cc w/enclosure: M. Krupa, DOE
A. Scheinman, DOE
W. Witter, DOD
S. Clagett, DOC
IAEA

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT

(See Instructions on Reverse)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 1 HOUR. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0027), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

1. APPLICANT'S USE		a. DATE OF APPLICATION 11/21/00		b. APPLICANT'S REFERENCE 99-068		2. NRC USE		a. DOCKET NO. 11005239		b. LICENSE NO. XSNM03174	
3. APPLICANT'S NAME AND ADDRESS a. NAME U.S. Department of Energy b. STREET ADDRESS New Brunswick Laboratory 9800 S. Cass Avenue, Bldg. 350 c. CITY Argonne STATE IL ZIP CODE 60439 d. TELEPHONE NUMBER (Area Code - Number - Extension) (630)252-2767 Mary Ellen Downey						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) a. NAME b. STREET ADDRESS c. CITY STATE ZIP CODE					
5. FIRST SHIPMENT SCHEDULED December 2000		6. FINAL SHIPMENT SCHEDULED N/A		7. APPLICANT'S CONTRACTUAL DELIVERY DATE Same as item 5		8. PROPOSED LICENSE EXPIRATION DATE 5 years from date of issuance		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)			
10. ULTIMATE FOREIGN CONSIGNEE a. NAME Kiev Institute of Nuclear Research b. STREET ADDRESS (Facility Site) Prospekt Nauki, 47, 252028 Kiev-28 c. CITY d. COUNTRY UKRAINE						11. ULTIMATE END USE (Include plant or facility name) Kiev Institute of Nuclear Research Prospekt Nauki, 47 252028 Kiev-28 Ukraine 11a. DATE REQUIRED					
12. INTERMEDIATE FOREIGN CONSIGNEE a. NAME b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY						13. INTERMEDIATE END USE 13a. DATE REQUIRED					
14. INTERMEDIATE FOREIGN CONSIGNEE a. NAME b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY						15. INTERMEDIATE END USE 15a. DATE REQUIRED					
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		
	CRM 146 Uranium (Enriched)U235 Solid Oxide \$161,790.00 US					1,770 g	93.18%	975.0 g	grams		
22. COUNTRY OF ORIGIN.—SOURCE MATERIAL US				23. COUNTRY OF ORIGIN.—SNM WHERE ENRICHED OR PRODUCED US				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)			
25. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary) NOTE: New Brunswick Laboratory is a Government-Owned and Operated Research Laboratory											
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 Mary Ellen Downey					b. TITLE Nuclear Reference Material Specialist			

U.S. Department of Energy
New Brunswick Laboratory
Attn: Mary Ellen Downey
9800 S. Cass Ave., D-350
Argonne, IL 60439

END-USE STATEMENT

THE URANIUM REFERENCE MATERIALS (CRM 146) ARE SUPPLIED UNDER THE DOE MPC&A ASSISTANCE PROGRAM. THESE CRM 146 ARE INTENDED FOR USE AS CALIBRATION STANDARDS IN NONDESTRUCTIVE ASSAY (NDA) MEASUREMENTS OF URANIUM ENRICHMENT. THESE STANDARDS WILL BE USED BY STAFF AT THE FACILITIES IN UKRAINE TO VERIFY THEIR NUCLEAR MATERIAL INVENTORY IN ORDER THAT THEY MAY BE ABLE TO MEET COMMITMENTS TO THE INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA).

DR. CHARLES T. ROCHE
ARGONNE NATIONAL LABORATORY
TECHNOLOGY DEVELOPMENT DIVISION
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ARGONNE, IL 60439-4841
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GREG SHEPPARD
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USER FACILITY

DR. VIKTOR GAVRILYUK
KIEV INSTITUTE FOR NUCLEAR RESEARCH
NATIONAL ACADEMY OF SCIENCE OF UKRAINE
PORSPEFT NAUKI, 47
KIEV-28, UKRAINE 252028



**U.S. Department of Energy
NEW BRUNSWICK LABORATORY**

9800 South Cass Avenue, Building 350

Argonne, IL 60439-4899

Telephone No.: 630-252-2442 FAX No.: 630-252-6256

November 21, 2000

Mrs. Betty Wright
United States Nuclear Regulatory Commission
One White Flint North
Mail Stop 3-H-5
Washington, DC 20555

Dear Mrs. Wright:

Attached please find an application for license to export nuclear material and a copy of the end use statement applicable to the order. If you need further information on this shipment please do not hesitate to contact me. I look forward to hearing from you!

Sincerely,

A handwritten signature in cursive script that reads "Mary Ellen Downey".

Mary Ellen Downey

Nuclear Reference Materials Specialist

email: maryellen.downey@ch.doe.gov

Tel# (630)252-2455

Fax# (630)252-4146

Enclosures:
As Stated

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