

Public NRC

NRC FORM 7 (5-2003) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027		EXPIRES: 05/31/2006					
<b>APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT</b>  (See Instructions on Reverse)				Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to <a href="mailto:infocollects@nrc.gov">infocollects@nrc.gov</a> , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.							
1. APPLICANT'S USE		a. DATE OF APPLICATION 02/15/2006		b. APPLICANT'S REFERENCE		2. NRC USE DOCKET NUMBER: 11005606 LICENSE NUMBER: XSNM03437					
3. APPLICANT'S NAME AND ADDRESS a. NAME U. S. Department of Energy b. STREET ADDRESS (Facility Site) 9800 South Cass Avenue c. CITY Argonne d. STATE IL e. ZIP CODE 60439 f. TELEPHONE NUMBER 630-252-2073 g. FAX 630-252-2078 h. E-MAIL				4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier) a. NAME Argonne National Laboratory b. STREET ADDRESS 9700 So Cass Avenue c. CITY Argonne d. STATE IL e. ZIP CODE 60439							
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE December 31, 2007					
10. ULTIMATE FOREIGN CONSIGNEE a. NAME National Atomic Energy Commission of Argentina (CNEA) b. STREET ADDRESS (Facility Site) Ezeiza Atomic Center c. CITY Buenos Aires d. COUNTRY Argentina				11. ULTIMATE END USE (Include plant or facility name) Testing and demonstrating LEU targets for the production of molybdenum-99 in the RA-3 reactor. This work furthers the non-proliferation goals of the Reduced Enrichment for Research and Test Reactors program. 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	
		Uranium, either as metal foils encapsulated in targets or as broken ingots.				19.95					
22. FOREIGN OBLIGATIONS BY COUNTRY AND PERCENTAGE (Use separate sheet if necessary)											
23. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary) SEE ATTACHED INFORMATION SHEET PROVIDED BY ARGONNE NATIONAL LABORATORY											
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 Jesse J. Benson				b. TITLE Team Leader, Safeguards and Security Sys					



## Department of Energy

Chicago Operations Office  
9800 South Cass Avenue  
Argonne, Illinois 60439

FEB 16 2006

Ms. Janice Owens  
Export/Import Licensing Officer  
Office of International Programs  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Ms. Owens:

SUBJECT: APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL -  
U.S. DEPARTMENT OF ENERGY - CHICAGO OFFICE

Enclosed is a completed NRC Form 7, Application for License to Export Nuclear Material and Equipment, for the Chicago Office, U. S. Department of Energy.

As indicated on the license application, the supplier of the material will be Argonne National Laboratory. The intended receiver is the National Atomic Energy Commission of Argentina (CNEA). This license relates to the testing and demonstration of targets for the RA3 reactor and furthers the nonproliferation goals of the U. S. Government.

Attached are hard copies of the NRC 7, additional documentation and the expired license (XSNM03247). These items were faxed to your office on February 15, 2006.

If you have any questions regarding this completed form, please contact me at 630-252-2073.

Sincerely,

Jolene Bissegger  
Safeguards and Security Services  
Technical and Administrative Services Group

Enclosure:  
As Stated

cc w/encl: T. Lang, ANL  
A. Leyva, ANL



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RECEIVED OIP  
2006 MAR 8 AM

February 14, 2006

To: T. A. Lang SCD-MC&A  
From: A. Leyva CMT  
Subject: Export of Low-Enriched Uranium to Argentina

The Reduced Enrichment for Research and Test Reactors (RERTR) program and the Argentine National Atomic Energy Commission (CNEA) are cooperating under a sister Laboratory arrangement, to develop targets and chemical processes for producing fission-product <sup>95</sup>Mo using low-enriched uranium (LEU). ANL is obligated to provide targets, consisting of uranium-metal foil encapsulated between aluminum tubes, for testing and to provide uranium-metal feedstock for preparation of test targets by the CNEA. We intend to use LEU metal already at ANL and assigned to the RERTR program as feedstock for these targets. None of the exported LEU will be returned to the U.S.

A previous license to CNEA with NRC number XSNM03247 was approved on March 3, 2004. ANL would like to renew this license and extend it to December 31 2007.

Please request Jolene Bissegger (DOE-CH/SSS) to submit an export license application to the Nuclear Regulatory Commission for the export of this LEU. The DOE program manager for the RERTR program, Parrish Staples (NA-212), fully supports this request. Please ask Ms. Bissegger to provide me a copy of the export license application and any cover letter transmitting it to the NRC. In addition, I will need a copy of the license when it is issued.

Here is the particular information you will need for the export license application:

First Shipment Scheduled - [REDACTED]

Final Shipment Scheduled - [REDACTED]

Proposed License Expiration Date - December 2007

Ultimate Consignee - National Atomic Energy Comisión (CNEA) of Argentina, Ezeiza Atomic Center, Buenos Aires, Argentina

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Ultimate End Use – National Atomic Energy Commission of Argentina for testing and demonstrating targets for the production of molybdenum-99 in the RA3 reactor. This work furthers the nonproliferation goals of the Reduced Enrichment for Research and Test Reactors program.

Description – Uranium, either as metal foil encapsulated in targets or as broken ingots.

Max. Element Weight – [REDACTED]

Max. U-235 Wt.% – [REDACTED]

Max. Isotope Wt. – [REDACTED]

Unit – [REDACTED]

If you need additional information, please call me. Thank you for your assistance in this matter.

cc: Allen Bakel  
Jordi Rogians  
James Snelgrove  
Tom Wiencek  
George Vandegrift

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THIS LICENSE EXPIRES 31 December 2005

**United States of America**  
Nuclear Regulatory Commission

NRC LICENSE NO.

XSNM03247  
Amendment No. 01  
Page 1 of 1

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued

to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

## LICENSEE

U.S. Department of Energy  
Chicago Operations Office  
9800 South Cass Avenue  
Argonne, IL 60439

Attn: J. Bissegger

## ULTIMATE CONSIGNEE IN FOREIGN COUNTRY

National Atomic Energy Commission of Argentina  
(CNEA)  
Ezeiza Atomic Center  
Buenos Aires, Argentina

(Testing and demonstrating LEU targets for the  
production of molybdenum-99 in the RA3 reactor  
in support of the RERTR program)

## INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY

NONE

## OTHER PARTIES TO EXPORT

Argonne National Laboratory - Illinois Site  
9700 South Cass Avenue  
Argonne, IL 60439

(Supplier)

## APPLICANT'S REF. NO.

LIC. DTD 12/17/03

## COUNTRY OF ULTIMATE DESTINATION

Argentina

## QUANTITY

## DESCRIPTION OF MATERIALS OR FACILITIES

The licensee is authorized to export [REDACTED] uranium-235 contained in [REDACTED] uranium, enriched to [REDACTED] w/o maximum, in the form of metal foil encapsulated in targets or as broken ingots. 19.95

The license is amended to extend the expiration date from December 31, 2003 to December 31, 2005.

All other terms and conditions remain unchanged.

////////////////////END////////////////////////////////////

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW  
BY AUTHORIZED NRC REPRESENTATIVE

*Edward T. Baker*  
Edward T. Baker, Deputy Director  
Office of International Programs

DATE OF ISSUANCE March 3, 2004

EXPORT LICENSE