

NRC FORM 250  
(9-87)

NRC LICENSE NO.

THIS LICENSE EXPIRES 30 June 1999

**United States of America**  
Nuclear Regulatory Commission

XSNM02815

Page 1 of 2 Pages

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	ULTIMATE CONSIGNEE IN FOREIGN COUNTRY
<p>NAME U.S. Department of Energy New Brunswick Laboratory ADDRESS 9800 S. Cass Avenue, Building 350 Argonne, IL 60439</p>	<p>NAME Korea Atomic Energy Research Institute ADDRESS 150 Duckjin-dong, Yusung-ku 305-353, Republic of Korea</p>
<p>ATTN: Jeny Jeans</p>	<p>(For use for the calibration of analytical instruments and/or certification of analytical method reliability)</p>

INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY	OTHER PARTIES TO EXPORT
<p>NAME NONE</p>	<p>NONE</p>
<p>ADDRESS</p>	

APPLICATION'S REF. NO.	94-048	COUNTRY OF ULTIMATE DESTINATION	Republic of Korea
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QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES
1.0 Gram	Plutonium Pu-239/241, Pu-240, as solid, sulfate, CRM 136.
1.0 Gram	Plutonium Pu-239/241, Pu-240, as solid, sulfate, CRM 137.
1.0 Gram	Plutonium Pu-239/241, Pu-240, as solid, sulfate, CRM 138.

Conditions 6 and 8 and 9 on page 2 of this license apply to this export.

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

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PDR XPORT  
XSNM-2815 PDR

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

*Ronald D. Hauber*  
Ronald D. Hauber, Director  
Division of Nonproliferation, Exports  
and Multilateral Relations  
Office of International Programs

*DF02*

DATE OF ISSUANCE June 22, 1994

U.S. NUCLEAR REGULATORY COMMISSION  
EXPORT LICENSE

## Conditions

License Number XSNM02815

- Condition 1** — Licensee shall file with the Customs Officer or the Postmaster two copies, in addition to those otherwise required, of the Shipper's Export Declaration covering each export and mark one of such copies for transmittal to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. The following declaration should accompany or be placed on the Shipper's Export Declarations for such exports:
- "This shipment is being made pursuant to specific license number (**specific license number**) filed at (**location of Customs office where license is filed**), on (**date license was filed**). This license expires on (**expiration date of license**), and the unshipped balance remaining on this license is sufficient to cover the shipment described on this declaration."
- Condition 2** — Exports authorized in any country or destination, except Country Groups Q, S, W, X, Y, and Z in Part 370, Supplement No. 1, of the Comprehensive Export Schedule of the U.S. Department of Commerce.
- Condition 3** — This license covers only the nuclear content of the material.
- Condition 4** — The material to be exported under this license shall be shipped in accordance with the physical protection requirements for special nuclear material in 10 CFR 73.
- Condition 5** — Special nuclear material authorized for export under this license shall not be transported outside the United States in passenger carrying aircraft in shipments exceeding (1) 20 grams or 20 curies, whichever is less, of plutonium or uranium 233, or (2) 350 grams of uranium 235.
- Condition 6** — This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.
- Condition 7** — The licensee shall complete and submit an NRC Form 741 for each shipment of source material exported under this license.
- Condition 8** — The licensee shall advise the NRC in the event there is any change in the designation of the company who will package the nuclear material to be exported under this license, or any change in the location of the packaging operation, at least three weeks prior to the scheduled date of export.
- Condition 9** — Any shipment of plutonium by air shall be made in accordance with the provisions of 10 CFR 71.88.

# APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT

(See Instructions on Reverse)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THE INFORMATION COLLECTION REQUEST: 1 HOUR. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MIBB) 7714, U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0027) OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503

1. APPLICANT'S USE	a. DATE OF APPLICATION 05-19-94	b. APPLICANT'S REFERENCE 94-018	2. NRC USE
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3. APPLICANT'S NAME AND ADDRESS	4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material)
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a. NAME U. S. Department of Energy	5. NAME
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b. STREET ADDRESS New Brunswick Laboratory 9800 S. Cass Avenue, Bldg. 350	b. STREET ADDRESS
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c. CITY Argonne, STATE IL ZIP CODE 60439	b. STREET ADDRESS
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d. TELEPHONE NUMBER (Area Code - Number - Extension) 708-252-2455 (Jeny Jeans)	c. CITY	STATE	ZIP CODE
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5. FIRST SHIPMENT SCHEDULED ASAP	6. FINAL SHIPMENT SCHEDULED N/A	7. APPLICANT'S CONTRACTUAL DELIVERY DATE Same as Item 5	8. PROPOSED LICENSE EXPIRATION DATE five years from date of issuance	9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) S--KO--26 (04-14-94)
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10. ULTIMATE FOREIGN CONSIGNEE	11. ULTIMATE END USE (Include plant or facility name)
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a. NAME Korea Atomic Energy Research Institute	b. STREET ADDRESS (Facility Site) 150 Duckjin-dong, Yusung-ku	c. CITY 305-353	d. COUNTRY KOREA	11a. DATE REQUIRED
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12. INTERMEDIATE FOREIGN CONSIGNEE	13. INTERMEDIATE END USE
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a. NAME	b. STREET ADDRESS (Facility Site)	c. CITY	d. COUNTRY	13a. DATE REQUIRED
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14. INTERMEDIATE FOREIGN CONSIGNEE	15. INTERMEDIATE END USE
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a. NAME	b. STREET ADDRESS (Facility Site)	c. CITY	d. COUNTRY	15a. DATE REQUIRED
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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
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CRM 136 Plutonium as Solid, Sulfate US\$676	1.0 g	12.33%	* g	gram
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CRM 137 Plutonium as Solid, Sulfate US\$678	1.0 g	18.68%	* g	gram
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CRM 138 Plutonium as Solid, Sulfate US\$546	1.0 g	7.95%	* g	gram
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22. COUNTRY OF ORIGIN - SOURCE MATERIAL US	23. COUNTRY OF ORIGIN - ENRICHMENT WHERE ENRICHED OR PRODUCED US	24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)
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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 Jeny Jeans	b. TITLE Reference Materials Assistant
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**End-Use Statement**

The reference materials received will be used for the calibration of analytical instruments and/or certification of analytical method reliability. Any surplus or residues resulting from the use of these materials will be disposed of according to the proper procedures for disposal of nuclear materials.

*Jong Sook Hong*  
Signature of Certifying Official

Jong Sook Hong  
Nuclear Material Safeguards Dept.  
Korea Atomic Energy Research Institute  
P.O. Box 105, Yü Sung, Taejon,  
305-600, South KOREA

\_\_\_\_\_  
Name and Address of User Facility

EXPORT CONTROL  
INT'L SAFEGUARDS  
94 MAY 26 P3:57

RECEIVED  
MAR 28 1994  
NBLA 94-048

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U.S.



DEPARTMENT OF ENERGY  
CHICAGO OPERATIONS OFFICE  
NEW BRUNSWICK LABORATORY, D-350  
9800 SOUTH CASS AVENUE  
ARGONNE, ILLINOIS 60439

May 20, 1994

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 for the order.

We understand that these applications may be timely and that they will be of no expense to USDOE/New Brunswick Laboratory. Please be advised that the customer is anxiously awaiting receipt of their material and all cooperation from you to expedite this process would be greatly appreciated.

Accordingly, we will wait to ship until we receive word from that the export license has been approved the order. If I may be of further assistance, please contact me. Thank you.

Sincerely,

Jeny Jean  
Reference Materials Assistant

Enclosures:  
As Stated

EXPORT CONTROL  
INT'L SAFEGUARDS

94 MAY 26 P3:57

RECEIVED  
U.S.