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NRC FORM 7 (3-94) 10 CFR 110 U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027 EXPIRES: 3-31-97

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST. 1.7 HOURS. THIS MANDATORY SUBMITTAL IS REVIEWED TO ENSURE THAT THE APPLICABLE STATUTORY, REGULATORY, AND POLICY CONSIDERATIONS ARE SATISFIED. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-8 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0027), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

(See Instructions on Reverse)

1. APPLICANT'S USE -----> 2. NRC USE -----> 3. APPLICANT'S NAME AND ADDRESS 4. SUPPLIER'S NAME AND ADDRESS

a. DATE OF APPLICATION 10/20/99 b. APPLICANT'S REFERENCE SAMD-ENE-045 a. DOCKET NUMBER 11005155 b. LICENSE NUMBER XSNM 03112

a. NAME Edlow International Company as agent for Korea Electric Power Corp a. NAME Please See Attached Sheet

b. STREET ADDRESS (Facility Site) 1666 Connecticut Ave. Suite 201 NW b. STREET ADDRESS

c. CITY Washington d. STATE DC e. ZIP CODE 20009 c. CITY d. STATE e. ZIP CODE

f. TELEPHONE NUMBER (Area Code - Number - Extension) (202)483-4959 f. TELEPHONE NUMBER (Area Code - Number - Extension)

5. FIRST SHIPMENT SCHEDULED December 1999 6. FINAL SHIPMENT SCHEDULED 7. APPLICANT'S CONTRACTUAL DELIVERY DATE 8. PROPOSED LICENSE EXPIRATION DATE December 31, 2000 9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If known)

10. ULTIMATE FOREIGN CONSIGNEE a. NAME b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY 11. ULTIMATE END USE (Include plant or facility name) USE CODE

Please See Attached Sheet Please See Attached Sheet

12. INTERMEDIATE FOREIGN CONSIGNEE a. NAME b. STREET ADDRESS c. CITY d. COUNTRY 13. INTERMEDIATE END USE USE CODE

KEPCO Nuclear Fuel Company, Ltd. For Conversion and Fabrication Purposes

150 Deogindong Yuseeong-Ku 13a. DATE REQUIRED

Dae jeon 301-353 14. INTERMEDIATE FOREIGN CONSIGNEE a. NAME b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY 15. INTERMEDIATE END USE USE CODE

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

Natural and Enriched Uranium as Uranium Hexafluoride (UF6) 120,000 5.0 6000 Kg.

22. COUNTRY OF ORIGIN -- SOURCE MATERIAL 23. COUNTRY OF ORIGIN -- SNM WHERE ENRICHED OR PRODUCED 24. COUNTRIES WHICH ATTACH SAFEGUARDS (If known)

Please See Attached Sheet

25. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary)

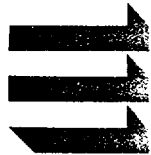
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26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information in this application is correct to the best of his/her knowledge.

27. AUTHORIZED OFFICIAL a. SIGNATURE b. TITLE International Affairs Specialist

PDR EXPORT XSNM-3112

DF03



**Item #4**

*Supplier of Enriched Material:*  
United States Enrichment Corp.  
P.O. Box 629  
Piketon, OH 45661

*Supplier of Natural Material:*  
Converdyn  
Metropolis Works  
P.O. Box 430  
Metropolis, IL 62960

**Item #10: Ultimate Foreign Consignees**

**Kori Units 1,2,3,4**  
Korea Electric Power Corporation  
Kori Nuclear Power Div. Unit 1,2,3,4,  
Kori 216, Jangan-Eub  
Yangsan-Gun, Kyung-Nam,  
Republic of Korea

**Young Kwang Units 1,2,3,4**  
Korea Electric Power Corporation  
Yong Kwang Nuclear Power Div. Unit 1,2,3,4,  
Kiema-Ri 517, Hong Nong-Eub  
Yong Kwang-Gun, Jeon-Nam  
Republic of Korea

**Item #11: Ultimate End Use**

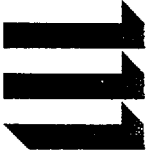
*Enriched Material:*  
-Reload 5 in Yonggwang Unit 3 – 24,290 KgU, W/O 5.0%  
-Reload 12 in Yonggwang Unit 1 – 27,995 KgU, W/O 5.0%  
-Reload 13 in Kori Unit 3 – 21,578 KgU, W/O 5.0%  
-Reload 5 in Yonggwang Unit 4 – 27,566 KgU, W/O 5.0%  
-Reload 12 in Yonggwang Unit 2 – 12,542 KgU, W/O 5.0%

*Natural Material:*  
-Axial Blanket in Kori Units 1,2,3 and 4 and  
Young-Kwang 1,2,3 and 4 – 6,029 KgU, W/O .711%



Item 22 and Item 23: Country of Origin

<u>Reactor</u>	<u>Total Amount U</u>	<u>Origin of Material</u>	<u>Material By Percentage</u>
Axial Blanket	6,029.0	100.0% Namibian	6,029.00
Yonggwang Unit 1	27,995.0	36.2% Australian 63.8% Namibian	10,134.19 17,860.81
Yonggwang Unit 2	12,542.0	100.0% Canadian	12,542.00
Yonggwang Unit 3	24,290.0	77.7% Canadian 22.3% South African	18,873.33 5,416.67
Yonggwang Unit 4	27,566.0	54.1% Australian 45.9% South African	14,913.206 12,652.794
Kori Unit 3	21,578.0	14.3% Namibian 18.9% U.S. 66.8% Australian	3,085.654 4,078.242 14,414.115
Total:	120,000.00		120,000.00



Edlow International Company  
1666 Connecticut Ave., N.W., Suite 201  
Washington, D.C. 20009 U.S.A.  
Tel (202) 483-4959  
Fax (202) 483-4840  
e-mail: info@edlow.com

October 20, 1999

Ms. Betty Wright  
Office of International Programs  
U.S. Nuclear Regulatory Commission  
Washington, D.C.

Dear Ms. Wright:

I attach for your kind consideration an application to export uranium as uranium hexafluoride (UF<sub>6</sub>) to Korea for use in commercial Korean reactors. Specifically, the UF<sub>6</sub> will be used as enriched reload fuel in the Young Kwang Nuclear Power Facilities, Units 1,2,3, and 4; and Kori Nuclear Power Facilities, Unit 3. These facilities are owned by Korea Electric Power Corp. Additionally, some natural UF<sub>6</sub> will be used as axial blanket materials in these same reactors.

In compliance with the new NRC export license application requirements please find enclosed the application fee of \$1,700.

Please do not hesitate to contact me should you require any additional information in connection with this request.

Sincerely,

Alison Bowder  
International Affairs Specialist

Enclosures