



GAMMA-METRICS
 5788 PACIFIC CENTER BLVD.
 SAN DIEGO, CA 92121
 (619) 450-9811

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 TELEX 5101011912
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July 18, 2000

Mr. Ronald Hauber, Director
 United States Nuclear Regulatory Commission
 Office of International Programs, MS-04E9
 11555 Rockville Pike
 Rockville, MD 20852

*XSNM03136
 Amend. No. 01
 11005488*

Subject: Application for Amendment to Specific License to Export Special Nuclear Material
 XSNM03136
 KEPCO Purchase Order C-99-NYGA-0132

Dear Mr. Hauber:

This letter transmits our application for an amendment to license #XSM03136 to export Special Nuclear Material to the Korea Electric Power Corporation. A check for \$1,700 is enclosed for additional assurances from the South Koreans as discussed.

Please change the maximum amount of total Uranium from 38.0 to 39.0 to exceed the actual amount (38.25 grams) of uranium in the ten fission chambers. Note that the amount of Uranium-235 on the license, 36.0 grams, already exceeds the actual amount to be exported (35.6 grams) and does not need to be changed.

To the best of our knowledge, nothing else on the license needs to be amended.

Due to the relatively quick delivery time required by the end user, we are requesting expedited review and processing so that we can receive our amendment license before our August 21, 2000, final shipment date.

Thank you for your assistance.

Sincerely,

Robert A Barnes

GAMMA-METRICS
 Robert Barnes
 Safety Instrumentation
 Program Manager

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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	
<p align="center">APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT</p> <p align="center"><i>(See Instructions on Reverse)</i></p>						
1. APPLICANT'S USE ----->		a. DATE OF APPLICATION JAN 14, 2000	b. APPLICANT'S REFERENCE 7572		2. NRC USE ----->	SECRET NUMBER 1003488
3. APPLICANT'S NAME AND ADDRESS		RES: UXXS		4. SUPPLIER'S NAME AND ADDRESS <i>(Complete if applicant is not supplier of material)</i>	LICENSE NUMBER XSNM03136	
a. NAME GAMMA-METRICS			a. NAME			
b. STREET ADDRESS <i>(Facility Site)</i> 5788 PACIFIC CENTER BOULEVARD			b. STREET ADDRESS			
c. CITY SAN DIEGO		d. STATE CA	e. ZIP CODE 92121	c. CITY		
f. TELEPHONE NUMBER <i>(Area Code - Number - Extension)</i> (858) 450-9811 x356			d. STATE	e. ZIP CODE		
6. FIRST SHIPMENT SCHEDULED 3/20/2000	8. FINAL SHIPMENT SCHEDULED 8/20/2000	7. APPLICANT'S CONTRACTUAL DELIVERY DATE 3/26 & 8/26		8. PROPOSED LICENSE EXPIRATION DATE 3/31/2001	9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. <i>(if known)</i> C-99-nyga-0132 with Korea electric power	
10. ULTIMATE FOREIGN CONSIGNEE a. NAME Korea Electric Power Corporation			RES: RKRL RKRB	11. ULTIMATE END USE <i>(Include plant or facility name)</i> Fission chamber detectors for replacement nuclear instrument systems for Younggwang Units 1 and 2	USE CODE	
b. STREET ADDRESS <i>(Facility Site)</i> 167 Samsung Dong, Kangnam-Gu						
c. CITY SEOUL 6 135-791		d. COUNTRY KOREA	11a. DATE REQUIRED			
12. INTERMEDIATE FOREIGN CONSIGNEE a. NAME NONE			RES:	13. INTERMEDIATE END USE NONE	USE CODE	
b. STREET ADDRESS			13a. DATE REQUIRED			
c. CITY		d. COUNTRY	15. INTERMEDIATE END USE NONE			
14. INTERMEDIATE FOREIGN CONSIGNEE a. NAME NONE			RES:	16. INTERMEDIATE END USE NONE	USE CODE	
b. STREET ADDRESS <i>(Facility Site)</i>			16a. DATE REQUIRED			
c. CITY		d. COUNTRY				
18. COM CODE	17. DESCRIPTION <i>(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)</i>			19. MAX. ELEMENT WEIGHT	20. MAX. ISOTOPE WEIGHT	21. UNIT
	Ten (10) fission chambers, each containing 3.83 gms of enriched Uranium. The fission chambers are used in detectors as part of the reactors neutron flux monitoring system with two chambers per detector assembly. This license will be for a total of five detectors. Each detector has an approx. value of \$100,000.			Total for all five detectors is 39 gms.	94%	36 gms of U-235 gms
22. COUNTRY OF ORIGIN -- SOURCE MATERIAL USA		23. COUNTRY OF ORIGIN -- SNM WHERE ENRICHED OR PRODUCED USA		24. COUNTRIES WHICH ATTACH SAFEGUARDS <i>(if known)</i>		
25. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION <i>(Use separate sheet if necessary)</i> GAMMA-METRICS requests expedited review and processing due to the short delivery time required by the end user.						
28. 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 Robert E. Bares 7/18/00			b. TITLE Program Manager			

Amend No. 01

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