



GAMMA-METRICS

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(619) 450-9811

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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	
APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT <i>(See Instructions on Reverse)</i>		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 F30), 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.	
1. APPLICANT'S USE ----->	2. NRC USE ----->	3. DOCKET NUMBER 11005488	4. LICENSE NUMBER XSNM03136
3. APPLICANT'S NAME AND ADDRESS a. NAME GAMMA-METRICS b. STREET ADDRESS (Facility Site) 5788 PACIFIC CENTER BOULEVARD c. CITY SAN DIEGO d. STATE CA e. ZIP CODE 92121 f. TELEPHONE NUMBER (Area Code - Number - Extension) (858) 450-9811 x356		4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) a. NAME b. STREET ADDRESS c. CITY d. STATE e. ZIP CODE 	
5. FIRST SHIPMENT SCHEDULED 3/20/2000	6. 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. (If known) C-99-nyga-0132 with Korea electric power	
10. ULTIMATE FOREIGN CONSIGNEE a. NAME Korea Electric Power Corporation b. STREET ADDRESS (Facility Site) 167 Samsung Dong, Kangnam-Gu c. CITY SEOUL 6 135-791 d. COUNTRY KOREA		11. ULTIMATE END USE (Include plant or facility name) Fission chamber detectors for replacement nuclear instrument systems for Younggwang Units 1 and 2 11a. DATE REQUIRED 	
12. INTERMEDIATE FOREIGN CONSIGNEE a. NAME NONE b. STREET ADDRESS c. CITY d. COUNTRY 		13. INTERMEDIATE END USE NONE 13a. DATE REQUIRED 	
14. INTERMEDIATE FOREIGN CONSIGNEE a. NAME NONE b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY 		15. INTERMEDIATE END USE NONE 15a. DATE REQUIRED 	
18. COM CODE	17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)		19. MAX. ELEMENT WEIGHT
	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.
			20. MAX. ISOTOPE WEIGHT 36 gms of U-235
			21. UNIT gms
22. COUNTRY OF ORIGIN -- SOURCE MATERIAL USA		23. COUNTRY OF ORIGIN -- SNM WHERE ENRICHED OR PRODUCED USA	
24. COUNTRIES WHICH ATTACH SAFEGUARDS (If known)			
25. ADDITIONAL INFORMATION ON CONSIGNEES, END USES, AND PRODUCT DESCRIPTION (Use separate sheet if necessary) GAMMA-METRICS requests expedited review and processing due to the short delivery time required by the end user.			
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 Robert E. Bares 7/18/00		28. TITLE Program Manager	

Amend
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