

Mr. James Simpson
GAMMA-METRICS
5788 Pacific Center Blvd.
San Diego, CA 92121

SEP 30 1996

Dear Mr. Simpson:

This refers to GAMMA-METRICS application dated August 7, 1991 (NRC number XSNM02650) requesting authority to export 30 fission chamber sensing components, containing 114.75 grams of uranium and 106.9 grams of uranium-235, to Sweden for use in Ringhals Units 2, 3 and 4.

After receiving assurances from the Swedish Nuclear Power Inspectorate, we issued the original license on March 2, 1992 authorizing the export of two fission chamber sensing components. The request for the additional 28 sensing components has remained pending under Amendment 01 awaiting the receipt of additional firm orders from the reactor operators. It is our understanding that additional orders have not been received. In light of the prologned period that this amendment has been pending before the NRC without a request for further NRC action, we are returning without action Amendment No. 01.

We further note that assurances for the original application were provided by the Government of Sweden; however, Sweden is now a member of the European Union and all future exports to Sweden would require assurances from EURATOM. EURATOM has informed us that they will not provide assurances for exports to their countries without a firm order from their industry.

Should firm orders be received, we would be prepared to review a new export application. If you have any questions regarding this case, please call me, or Betty Wright, at (301) 415-2344.

Sincerely,

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

Enclosure: License application XSNM02650
dated 8/7/91

cc w/encl:

C. Kincaid, DOE R. Goorevich, DOE
M. Johnson, DOD J. Chuchla, DOC
R. DeLaBarre, DOS M. Rosenthal, ACDA

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FILENAME: A:\XSNM2650.RWA			

OFFICE	OIP/NEMR	OIP/NEMR	OGC	
NAME	BLWright	RDHauber	TRothschild	
DATE	9/30/96	9/30/96	9/13/96	

OFFICIAL RECORD COPY

9610040183 960930
PDR XPORT
XSNM-2650 PDR

7A-1-1 Export Report



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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M. Rosenthal, ACDA

9610040183 JP

APPLICATION FOR LICENSE TO EXPORT NUCLEAR
MATERIAL AND EQUIPMENT

(See Instructions on Reverse)

EST. 2D BURDEN PER RESPONSE TO COMPLY WITH THIS
INFORMATION COLLECTION REQUEST: 1 HOUR. FORWARD
COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION
AND RECORDS MANAGEMENT BRANCH (RMDB 7714), U.S.
NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555,
AND TO THE PAPERWORK REDUCTION PROJECT (2150-0027),
OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

1. APPLICANT'S USE		a. DATE OF APPLICATION 7 August 1991		b. APPLICANT'S REFERENCE		2. NRC USE		a. DOCKET NO. 11004504		b. LICENSE NO. XSNM 02050			
3. APPLICANT'S NAME AND ADDRESS a. NAME GAMMA-METRICS b. STREET ADDRESS 5788 Pacific Center Boulevard c. CITY San Diego STATE CA ZIP CODE 92121 d. TELEPHONE NUMBER (Area Code - Number - Extension) 619-450-9811						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) a. NAME b. STREET ADDRESS c. CITY STATE ZIP CODE							
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)					
1 November 1991		31 December 1995		N/A		31 December 1998							
10. ULTIMATE FOREIGN CONSIGNEE a. NAME See attached sheets Sweden b. STREET ADDRESS (Facility Site) TOTAL of 30 Fission Chambers c. CITY d. COUNTRY						11. ULTIMATE END USE (Include plant or facility name) USE CODE For use in Neutron Flux Monitoring Systems (see attached sheets) 11a. DATE REQUIRED 1 December 1991 (first use)							
12. INTERMEDIATE FOREIGN CONSIGNEE a. NAME b. STREET ADDRESS (Facility Site) c. CITY d. COUNTRY						13. INTERMEDIATE END USE USE CODE 13a. DATE REQUIRED							
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	
		Special Nuclear Material - Fission chamber sensing components (ref 110.21(a)(3)). The chemical form is UO ₂ . The uranium is in sealed sources (sealed fission chambers). One or two fission chambers are packaged in a housing, which with its cable is called a detector assembly. Dollar values of detector assemblies are proprietary.				3.825g (each fission chamber) TOTAL 4 114.75		93.12		3.562 235U (each fission chamber) TOTAL 4-235 106.90 gm		gram	
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) Balance of neutron flux monitoring system (i.e., cables, amplifiers, signal processors, and documentation for qualification, operation, and maintenance) to be exported under separate specific or general license, as applicable.													
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. Copies to DCS/DFB & H. Denton on 9/4/91 BK													
27. AUTHORIZED OFFICIAL				a. SIGNATURE H. Gordon Shugart				b. TITLE Product Manager					



GAMMA-METRICS
5788 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121
(619) 450-2611

TELECOPY (619) 452-9250
TELEX 5101011912

XSNM02652
11004524

August 7, 1991

Mr. Ronald D. Hauber
Assistant Director
International Security, Exports, and Material Safety
International Programs
Office of Governmental and Public Affairs
United States Nuclear Regulatory Commission
Washington, DC 20555

RE: Export License Application - Special Nuclear Material

Dear Mr. Hauber:

Enclosed is our consolidated application for a license to export Special Nuclear Material in sensing components for neutron flux monitoring and control systems. The remaining components in the systems will be exported under a separate license.

Note that the quantity of enriched ^{235}U in each fission chamber is 3.562 grams, which exceeds the amount presently authorized for export under a general license per 10CFR110.21(a)(3). I have noted for each facility the number of fission chambers to be exported, and I have totaled that amount for each country.

Also, please note that for the Ascó, Almaraz, Ringhals, and Sizewell plants, the amounts shown are in addition to those already covered by licenses or pending license applications.

Thank you for your efforts in reviewing this application. Please contact me if you need additional information.

Sincerely,

GAMMA-METRICS

H. Gordon Shugars

H. Gordon Shugars
Product Manager
Reactor Instrumentation

EXPORT IMPORT
INT'L SAFEGUARD

91 AGO-8-P4:16

RECEIVED
U.S. NRC

9109060466-1p