DCS/DF02

FORM NRC-7
(7-78)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY GAO
B-180225(R0362)

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT *(See Instructions on Reverse)*

1. APPLICANT'S USE →	a. DATE OF APPLICATION	b. APPLICANT'S REFERENCE	2. NRC USE →	a. LICENSE NO.	b. DOCKET NO.
	April 24, 1989	IEL-1376		XSNM02450	11004169

3. APPLICANT'S NAME AND ADDRESS	RIS LAW	4. SUPPLIER'S NAME AND ADDRESS *(Complete if applicant is not supplier of material)*	RIS
a. NAME General Atomics ATTN: Keith E. Asmussen			
b. STREET ADDRESS 10955 John Jay Hopkins Drive		a. NAME	
c. CITY: San Diego	STATE: CA	ZIP CODE: 92138	b. STREET ADDRESS	
d. TELEPHONE NUMBER *(Area Code – Number – Extension)* (619) 455-2823		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)*
May 30, 1989	Only one shipment	ASAP after May 30, 1989 shipment date	May 30, 1990	DE-AC03-89SF17885

10. ULTIMATE CONSIGNEE	RIS	11. ULTIMATE END USE *(Include plant or facility name)*	
a. NAME Commissariat a L'Energie Atomique Centre d'Estudes Nucleaires de Grenoble		U.S. DOE sponsored irradiation test in the Siloe reactor at the Center d'Estudes Nucleaires de Grenoble, as part of collaborative research program to study fission product plateout, liftoff and washoff.	
b. STREET ADDRESS Avenue des Martyrs - 38			
c. CITY – STATE – COUNTRY Grenoble, France		11a. EST. DATE OF FIRST USE	

12. INTERMEDIATE CONSIGNEE	RIS	13. INTERMEDIATE END USE	
a. NAME N/A		N/A	
b. STREET ADDRESS			
c. CITY – STATE – COUNTRY		13a. EST. DATE OF FIRST USE	

14. INTERMEDIATE CONSIGNEE	RIS	15. INTERMEDIATE END USE	
a. NAME N/A		N/A	
b. STREET ADDRESS			
c. CITY – STATE – COUNTRY		15a. EST. DATE OF FIRST USE	

16. NRC USE	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 WT.	21. UNIT
	10 grams U-235 contained in 50.76 grams of uranium enriched to 19.9 w/o maximum in the form of ceramic coated fuel particles which have been combined with graphite filler and petroleum pitch to form bonded fuel compacts having a diameter of approximately 0.5 inches and a length of approximately 2 inches. The chemical form of the uranium is UCO, uranium oxicarbide.	50.76	19.9	10.0 U-235	gm

22. COUNTRY OF ORIGIN – SOURCE MATERIAL	23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED	24. COUNTRIES WHICH ATTACH SAFEGUARDS *(If Known)*
N/A	United States	

25. ADDITIONAL INFORMATION *(Use separate sheet if necessary)*

X-Ref. XMAT0350

* See attached *

8905080386 890424
PDR XPORT
XSNM-2450 PDC

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
	Keith E. Asmussen Keith E. Asmussen	Manager, Licensing, Safety and Nuclear Compliance

Attachment to Form NRC-7

Item 25. Additional Information

The ultimate end use, i.e., test/irradiation, has been arranged by the U.S. Department of Energy through the Commissariat a L'Energie Atomique (CEA) as part of the U.S. national DOE Modular HTGR Program. The fuel compacts to be exported will be assembled into a small (approximately 2.4-inch diameter by approximately 15.7-inch long) graphite test element. The test element will be irradiated in the COMEDIE loop of the experimental facility in the Siloe reactor at the Center d'Estudes Nucleaires de Grenoble located at Grenoble, France. The purpose of the test is to study fission product plateout, lift-off and wash-off.