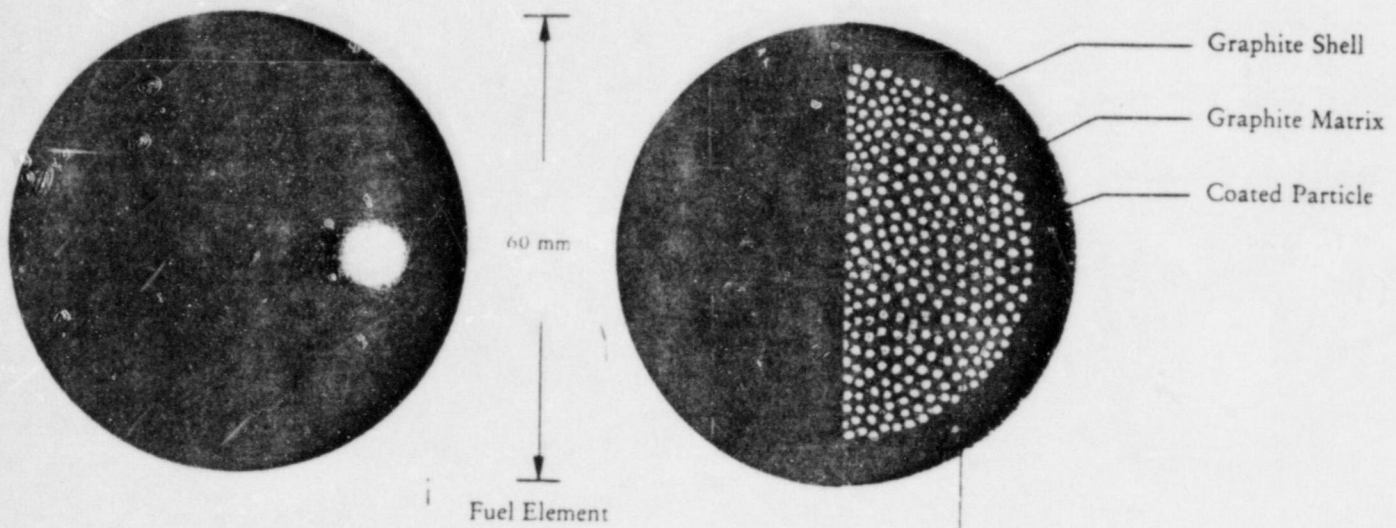


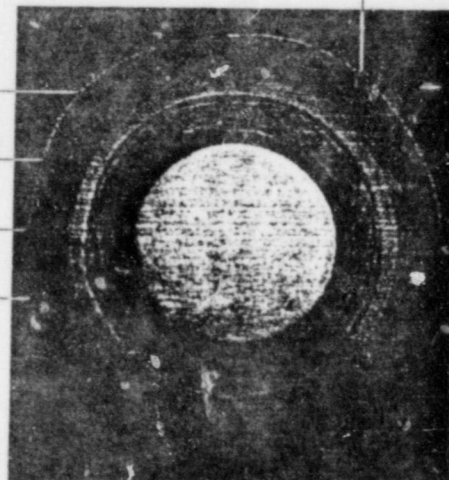
APPLICATION FOR LICENSE TO EXPORT NUCLEAR  
MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANT'S USE		a. DATE OF APPLICATION Nov. 24, 1986		b. APPLICANT'S REFERENCE IEL-9087		2. NRC USE		a. LICENSE NO. <b>XMAT0328</b>		b. DOCKET NO. <b>11003914</b>	
3. APPLICANT'S NAME AND ADDRESS						RIS		4. SUPPLIER'S NAME AND ADDRESS <small>(Complete if applicant is not supplier of material)</small>			
a. NAME GA Technologies Inc. ATTN: Keith E. Asmussen								b. DOCKET NO.			
b. STREET ADDRESS 10955 John Jay Hopkins Drive								a. NAME			
c. CITY San Diego				STATE CA		ZIP CODE 92121		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)			
ASAP upon receipt of license		Only one shipment		Prior to Dec. 31, 1986		March 31, 1987					
10. ULTIMATE CONSIGNEE						11. ULTIMATE END USE <small>(Include plant or facility name)</small>					
a. NAME NUKEM, GMBH						U.S. DOE program which intended to use material was cancelled. Therefore, material being returned unused to NUKEM, GMBH in country of origin (i.e., West Germany).					
b. STREET ADDRESS Rodenbacher, Chaussee 6											
c. CITY - STATE - COUNTRY D-6450 Hanau 11, West Germany											
12. INTERMEDIATE CONSIGNEE						13. INTERMEDIATE END USE					
a. NAME N/A						N/A					
b. STREET ADDRESS											
c. CITY - STATE - COUNTRY											
14. INTERMEDIATE CONSIGNEE						15. INTERMEDIATE END USE					
a. NAME N/A						N/A					
b. STREET ADDRESS											
c. CITY - STATE - COUNTRY											
16. NRC USE						17. DESCRIPTION <small>(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)</small>					
						Graphite spheres containing depleted uranium (0.3% U-235) in the form of pyrocarbon coated UO <sub>2</sub> particles embedded in a graphite matrix. Each sphere is 6 cm in dia. and contains about 10.2 gm depleted uranium. These spheres are "dummy" fuel elements and have <u>not</u> been irradiated.					
						18. MAX ELEMENT WEIGHT Depleted U: 20,400 Graphite: 400		19. MAX. WT. % 0.3		20. MAX ISOTOPE WT 61.2 U-235 Graphite	
										21. UNIT gm kg	
						Note: Depleted U to be covered by X468635					
22. COUNTRY OF ORIGIN - SOURCE MATERIAL West Germany				23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED N/A				24. COUNTRIES WHICH ATTACH SAFEGUARDS (if known)			
25. ADDITIONAL INFORMATION (Use separate sheet if necessary) These spheres (see attachment) were originally shipped from NUKEM to GA Technologies in May of 1985 for use in a DOE sponsored fuel reprocessing program. Because program was cancelled prior to use of spheres, they are being returned, as received, to NUKEM.											
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 <b>8612040518</b>				a. SIGNATURE Keith E. Asmussen				b. TITLE Manager, Licensing, Safety and Nuclear Compliance			



Pyrocarbon Layers

Depleted Uranium  
Kernel ( $\text{UO}_2$ )



Section of a Coated Particle