

NRC FORM 7
(1-89)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB
5160-0027
EXPIRES 12-31-90

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

1. APPLICANT'S USE		2. NRC USE		3. DOCKET NO. 11004254		4. LICENSE NO. XCDM1034	
5. APPLICANT'S NAME AND ADDRESS				6. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material)			
a. NAME U. S. Department of Energy				a. NAME DOE Contractor DE-AC05-84OR2140			
b. STREET ADDRESS Office of Nuclear Energy (NE-471, GTN)				b. STREET ADDRESS Martin Marietta Energy Systems, Inc.			
c. CITY Washington		STATE DC		ZIP CODE 20545		c. CITY Oak Ridge	
d. TELEPHONE NUMBER (Area Code - Number - Extension) 301-353-4078		STATE TN		ZIP CODE 37831		d. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) DOE/UKAEA Agreements per attachments	
5. FIRST SHIPMENT SCHEDULED 1989		6. FINAL SHIPMENT SCHEDULED 1992		7. APPLICANT'S CONTRACTUAL DELIVERY DATE N/A		8. PROPOSED LICENSE EXPIRATION DATE 12/31/92	
10. ULTIMATE CONSIGNEE				11. ULTIMATE END USE (Include plant or facility name)			
a. NAME Dounreay Nuclear Power Develop. Establishment				Contractors will be used in a testing and analytical program in a specially built cell adjacent to the PFR separations line added for the purpose of carrying out the tests.			
b. STREET ADDRESS UKAEA, Thurso, Caithness KW14 7TZ				11a. EST. DATE OF FIRST USE			
c. CITY - STATE - COUNTRY Scotland, United Kingdom				12. INTERMEDIATE END USE			
12. INTERMEDIATE CONSIGNEE				13. INTERMEDIATE END USE			
a. NAME Same as 10.				Contactors will be used in a plutonium-active rig to test mass transfer performance prior to hot testing as described in Item 11.			
b. STREET ADDRESS				13a. EST. DATE OF FIRST USE			
c. CITY - STATE - COUNTRY				14. INTERMEDIATE END USE			
14. INTERMEDIATE CONSIGNEE				15. INTERMEDIATE END USE			
a. NAME Atomic Energy Research Establishment				Contactors will be run cold with depleted uranium to test hydraulic performance prior to testing with active solutions at Dounreay.			
b. STREET ADDRESS Harwell, Didcot, OXON OX11 0RA				15a. EST. DATE OF FIRST USE			
c. CITY - STATE - COUNTRY England, United Kingdom				16. MAX. ELEMENT WEIGHT			
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. %	
The equipment consists of experimental centrifugal contactors, detailed drawings for interfacing and maintenance, software control algorithms, and spare and replacement parts needed to test the units in non-radioactive and radioactive environments.				N/A		N/A	
20. MAX. ISOTOPE WEIGHT				21. UNIT		22. COUNTRY OF ORIGIN - SOURCE MATERIAL	
N/A				N/A		N/A	
23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)			
N/A				N/A			
25. ADDITIONAL INFORMATION (Use separate sheet if necessary)							
See other Enclosures to the transmittal letter. 03A12000							
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				28. TITLE			
a. SIGNATURE E. Baile				b. TITLE Dir. Div. of Fuel & Reactor			