

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

1. APPLICANT'S USE		4. DATE OF APPLICATION 14 Apr 1980		3. APPLICANT'S REFERENCE Ser 63/779042		2. NRC USE		5. LICENSE NO. XU08493		6. DOCKET NO. 11002025	
3. APPLICANT'S NAME AND ADDRESS RIS Department of the Navy						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) RIS See attached sheet.					
5. STREET ADDRESS Office of the Chief of Naval Operations						a. NAME					
c. CITY Washington				STATE DC		ZIP CODE 20350		b. STREET ADDRESS			
d. TELEPHONE NUMBER (Area Code - Number - Extension) (202) 692-1784/5						c. CITY		STATE		ZIP CODE	
5. FIRST SHIPMENT SCHEDULED JUN 1983		6. FINAL SHIPMENT SCHEDULED NOV 1984		7. APPLICANT'S CONTRACTUAL DELIVERY DATE SEE SECT. 25		8. PROPOSED LICENSE EXPIRATION DATE MAR 1985		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)			
10. ULTIMATE CONSIGNEE RIS a. NAME Chief of Naval Staff, Royal Australian						11. ULTIMATE END USE (Include plant or facility name) See attached sheet.					
b. STREET ADDRESS						11a. EST. DATE OF FIRST USE					
c. CITY - STATE - COUNTRY Australia						13. INTERMEDIATE END USE					
12. INTERMEDIATE CONSIGNEE RIS a. NAME U.S. Naval Weapons Station						None.					
b. STREET ADDRESS						13a. EST. DATE OF FIRST USE					
c. CITY - STATE - COUNTRY Concord, California 94520						15. INTERMEDIATE END USE					
14. INTERMEDIATE CONSIGNEE RIS a. NAME						None.					
b. STREET ADDRESS						15a. EST. DATE OF FIRST USE					
c. CITY - STATE - COUNTRY											
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
		Uranium depleted in the U-235 isotope, solid metal, 98% depleted uranium, 2% molybdenum. See attached figure for ammunition configuration. Each penetrator (depleted uranium with molybdenum) weighs approximately 70 grams. Item nomenclature 20mm, MK 149 Mod 1, NSN 1305-00-193-4777. (see attached sheet.) *Copy to PDR and ACC 4-15-80.*				68.6 grams depleted uranium 3,019 kilo-grams depleted uranium		depleted uranium 0.2% U-235	0.137 grams U-235 6.1 kilo-grams U-235		per-round shipment
22. COUNTRY OF ORIGIN - SOURCE MATERIAL U.S.A.			23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED			24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)					
25. ADDITIONAL INFORMATION (Use separate sheet if necessary) Contract not yet signed. Expected signing date September 1981. FMS Case AT-P-AOR											
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. D. M. ALTHEUS Director, Security Assistance Division											
27. AUTHORIZED OFFICIAL				28. SIGNATURE <i>[Signature]</i>				29. TITLE Director, Security Assistance Division			

Item 4. Supplier's Name and Address:

There will be two suppliers of this item.

- (1) Honeywell Corporation
Defense Systems Division
600 Second St. N.E.
Hopkins, Minnesota 55343

- (2) Olin Corporation
Winchester Group
Defense Marketing
707 Berkshire Ave.
East Alton, Illinois 62024

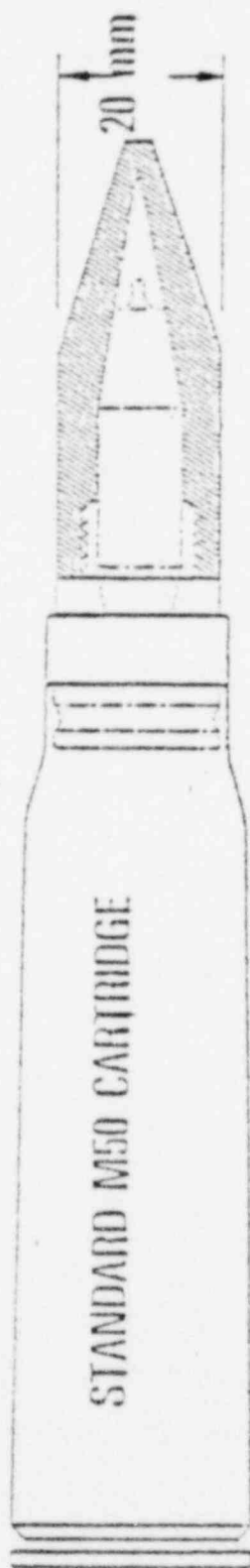
Item 11. Ultimate End Use:

The end use of this material will be as a component of a round of 20mm ammunition. The ammunition contains no high explosive and the depleted uranium is of value due to its extremely high density. The ammunition will be deployed aboard Royal Australian Naval vessels equipped with the Phalanx Close-In-Weapon-System.

Item 17. Description:

All packaging to be in accordance with DOT regulations for low specific activity material. Shipping via sea. Ammunition to be shipped 100 rounds per ammunition box, 24 boxes per pallet. Total shipment of 44,000 rounds. Total weight of depleted uranium, 3,019 kilograms. Total cost of ammunition \$750,000.

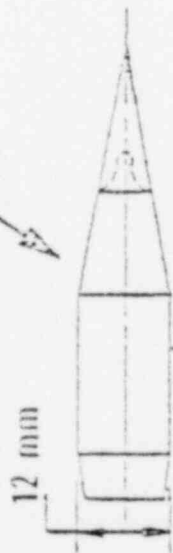
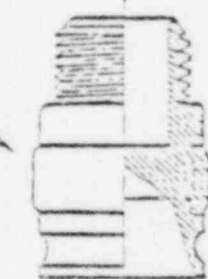
PHALANX PENETRATOR AMMUNITION



DISCARDING PUSHER

PENETRATOR WITH
PLASTIC WINDSHIELD

DISCARDING SABOT



ENVIRONMENTAL CONSIDERATIONS

- o NEGLIGIBLE (POLITICAL/EMOTIONAL ONLY)
- o RADIOLOGICAL HAZARD < LUMINOUS DIAL WHIST WATCH
- o TOXICITY < LEAD

o 200 YEAR STOCKPILE FOR ALL USERS

POOR ORIGINAL