

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR SOURCE MATERIAL LICENSE

Pursuant to the regulations in Title 10, Code of Federal Regulations, Chapter 1, Part 40, application is hereby made for a license to receive, possess, use, transfer, deliver or import into the United States, source material for the activity or activities described.

11/30/83

Approved by GAO
R0203

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1. (Check one)		2. NAME OF APPLICANT	
<input type="checkbox"/> (a) New license <input checked="" type="checkbox"/> (b) Amendment to License No. SUB1343 <input type="checkbox"/> (c) Renewal of License No. _____ <input type="checkbox"/> (d) Previous License No. _____		Flinchbaugh Products, Inc. Product Development Division, A Subsidiary of Clabir Corp	
		3. PRINCIPAL BUSINESS ADDRESS	
		315 Richard Mine Rd. Wharton, N.J. 07885	
4. STATE THE ADDRESS(ES) AT WHICH SOURCE MATERIAL WILL BE POSSESSED OR USED			
315 Richard Mine Road, R.D.1, Wharton, New Jersey 07885			
5. NAME OF PERSON TO BE CONTACTED CONCERNING THIS APPLICATION		6. TELEPHONE NO. OF INDIVIDUAL NAMED IN ITEM 5	
William S. Parham		201-361-3940	
7. DESCRIBE PURPOSE FOR WHICH SOURCE MATERIAL WILL BE USED			
Depleted uranium cores of armor piercing projectiles will be supplied to the licensee by others. Licensee will assemble the cores to other components of the projectiles and ship the end product to the U.S. Department of Defense.			
8. STATE THE TYPE OR TYPES, CHEMICAL FORM OR FORMS, AND QUANTITIES OF SOURCE MATERIAL YOU PROPOSE TO RECEIVE, POSSESS, USE, OR TRANSFER UNDER THE LICENSE			
(a) TYPE	(b) CHEMICAL FORM	(c) PHYSICAL FORM (Including % U or Th.)	(d) MAXIMUM AMOUNT AT ANY ONE TIME (kilograms)
NATURAL URANIUM			
URANIUM DEPLETED IN THE U-235 ISOTOPE	Depleted uranium alloy	> 99.8 U-238	8,000
THORIUM (ISO OPL)			
(e) MAXIMUM TOTAL QUANTITY OF SOURCE MATERIAL YOU WILL HAVE ON HAND AT ANY TIME (kilograms)			
8,000			
9. DESCRIBE THE CHEMICAL, PHYSICAL, METALLURGICAL, OR NUCLEAR PROCESS OR PROCESSES IN WHICH THE SOURCE MATERIAL WILL BE USED, INDICATING THE MAXIMUM AMOUNT OF SOURCE MATERIAL INVOLVED IN EACH PROCESS AT ANY ONE TIME, AND PROVIDING A THOROUGH EVALUATION OF THE POTENTIAL RADIATION HAZARDS ASSOCIATED WITH EACH STEP OF THOSE PROCESSES.			
NO CHANGES		CHECK NO. Amount received by Type of use Date check made Received by	
RECEIVED BY Date 12/17/81 Dec PG 7 Amend L. Brown			
10. LIST THE NAMES AND ATTACH RESUME OF THE TECHNICAL QUALIFICATIONS INCLUDING TRAINING AND EXPERIENCE OF APPLICANT'S SUPERVISORY PERSONNEL AND THE PERSON RESPONSIBLE FOR THE RADIATION SAFETY PROGRAM (OR OF APPLICANT IF AN INDIVIDUAL).			
NO CHANGES		Orig. To Action Compl.	
11. DESCRIBE THE EQUIPMENT AND FACILITIES WHICH WILL BE USED TO PROTECT HEALTH AND MINIMIZE DANGER TO LIFE OR PROPERTY AND RELATE THE USE OF THE EQUIPMENT AND FACILITIES TO THE OPERATIONS LISTED IN ITEM 9. INCLUDE (a) RADIATION DETECTION AND RELATED INSTRUMENTS (including film badges, dosimeters, counters, air sampling, and other survey equipment as appropriate. The description of radiation detection instruments should include the instrument characteristics such as type of radiation detected, window thickness, and the range(s) of each instrument).			
See attached description (Changes made see attachment for details)			
(b) METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED IN (a) ABOVE, INCLUDING AIR SAMPLING EQUIPMENT (for film badges, specify method of calibrating and processing, or name supplier).			
NO CHANGES		8201190365 811215 PDR ADOCK 04008708 C PDR	

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J. Schumm

APPENDICES

FOREWARD

THE APPENDICES WHICH FOLLOW, WITH THE EXCEPTION OF APPENDIX I, ARE FOR THE EXPRESS PURPOSE OF PROVIDING THE EMPLOYEES OF FLINCHBAUGH PRODUCT DEVELOPMENT DIVISION WITH THE FEDERAL REGULATIONS AND GUIDES WHICH ARE APPLICABLE TO THE DEPLETED URANIUM OPERATION.

APPENDIX A

FLINCHBAUGH PRODUCT DEVELOPMENT DIVISION

SOURCE MATERIAL LICENSE SUB-1343

AND

LICENSE APPLICATION

* License application included since it is incorporated in the license by condition 13.