

## MELPAR, INC.

3000 ARLINGTON BOULEVARD, FALLS CHURCH, VIRGINIA 22046
AREA CODE 703 JEFFERSON 4-6000

19 March 1965

Atomic Energy Commission Washington 25, D. C.

Re: Byproduct Material License

No. 45-7548-1 (G65).

Supplementary Application

Attn: Mr. Robert E. Brinkman, Isotopes

Branch, Division of Licensing

and Regulation

## Gentlemen:

Enclosed herewith find supplementary application, in triplicate, requesting that the amount of Hydrogen 3 (6F) be increased from 2 curies to 3 curies.

If there is any further information you need, we will be pleased to furnish it.

Very truly yours,

MELPAR, INC.

Austin G. Roe

House Counsel

Enclosures



KB

Form AEC-313 (5-58) SUPPLEMENTA...

ATOMIC ENERGY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE

Form approved.
Budget Bureau No. 38-R027.4.

INSTRUCTIONS.—Complete Items 1 through 16 if this is an initial application. If application is for renewal of a license, complete only Items 1 through 7 and indicate new information or changes in the program as requested in Items 8 through 15. Use supplemental sheets where necessary. Item 16 must be completed on all applications. Mail three copies to: U.S. Atomic Energy Commission, Washington, D.C., 20545. Attention: Isotopes Branch, Division of Licensing and Regulation. Upon approval of this application, the applicant will receive an AEC Byproduct Material License. An AEC Byproduct Material License is issued in accordance with the general requirements contained in Title 10, Code of Federal Regulations, Part 30 and the Licensee is subject to Title 10, Code of Federal Regulations, Part 20.

(a) NAME AND STREET ADDRESS OF APPLICANT. (Institution, firm, hospital, person, etc.)

Melpar, Inc. 3000 Arlington Blvd. Falls Church, Virginia (b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. (II different from 1 (a).) No change - except 3000" Arlington Blvd., Falls Church, Va. Will be known as 7700 Arlington Blvd., Falls Church, Va. after Apr.1,1965, in accordance with Fairfax County's renumbering of streets.

2. DEPARTMENT TO USE BYPRODUCT MATERIAL

Research Division

- PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license, please indicate and give number.)
- #45-7548-1 (including amendments) (G65)
- INDIVIDUAL USER(S). (Name and title of individual(s) who will use or directly supervise use of byproduct material. Give training and experience in Items 8 and 9.)
- RADIATION PROTECTION OFFICER (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in Items 8 and 9.)

No change

No change

- (a) BYPRODUCT MATERIAL. (Elements and mass number of each.)
- (b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)

No change

REVISE Subitem 6 F. (Hydrogen 3) of present license to read as follows:

"6 F. 3 curies."

7. DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If byproduct material is for "human use," supplement A (form AEC-313a) must be completed in lieu of this item. If byproduct material is in the form of a sealed source, include the make and model number of the storage container and/or device in which the source will be stored and/or used.)

No change

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Form AEC-313 (5-58) Page-N wo								
TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4 (Use supplemental sheets if necessary)								
8. TYPE OF TRAINING	WHERE TRAINED				DURATION (		FORMAL COURSE (Circle answer)	
a. Principles and practices of radiation protection						Yes No	Yes No	
Radioactivity measurement standardiza- tion and monitoring techniques and in-	No change					Yes No	Yes No	
c. Mathematics and calculations basic to the						Yes No	Yes No	
use and measurement of radioactivity						Yes No	Yes No	
d. Biological effects of radiation	<del></del>			1			Alleria Company	
9. EXPERIENCE WITH RADIATION. (Actual use of radioisotopes or equivalent experience.)  ISOTOPE MAXIMUM AMOUNT WHERE EXPERIENCE WAS GAINED DURATION OF EXPERIENCE TYPE OF USE								
	TERL CAPERIENCE	. WAS GAINED	DORATIO	TOT EXT	CRICICE	TIFE	J USE	
		No change						
10. RADIATION DETECTION INSTRUMENTS.	(Use suppleme	ental sheets if n	cessary.)	· · · · · · · · · · · · · · · · · · ·				
TYPE OF INSTRUMENTS (Include make and model number of each)	NUMBER AVAILABLE	RADIATION DETECTED	SENSITIVITY RANGE (mr/hr)		OW THICKNES (mg/cm²)		USE rveying, measuring)	
		' !	,					
	. "	No	change					
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11. METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED ABOVE.								
No change								
12. FILM BADGES, DOSIMETERS, AND BIO-ASSAY PROCEDURES USED. (For film badges, specify method of calibrating and processing, or name of supplier.)								
No change								
INFORMATION TO BE SUBMITTED ON ADDITIONAL SHEETS								
13. FACILITIES AND EQUIPMENT. Describe laboratory facilities and remote handling equipment, storage containers, shielding, fume hoods, etc. Explanatory sketch								
of facility is attached. (Circle answer)  Yes No No change								
14. RADIATION PROTECTION PROGRAM. Describe the radiation protection program including control measures. If application covers sealed sources, submit leak testing procedures where applicable, name, training, and experience of person to perform leak tests, and arrangements for performing initial radiation survey, serv-								
icing, maintenance and repair of the source.  No change								
15. WASTE DISPOSAL. If a commercial waste disposal service is employed, specify name of company. Otherwise, submit detailed description of methods which will								
be used for disposing of radioactive wastes and estimates of the type and amount of activity involved.  No change								
CERTIFICATE (This item must be completed by applicant)								
16. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE APPLICANT NAMED IN ITEM 1, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PART 30, AND THAT ALL INFORMATION CONTAINED HEREIN, INCLUDING ANY SUPPLEMENTS ATTACHED HERETO, IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.								
MELPAR, INC. Applicant named in item 1								
Dote 19 March 1965 By: Dr. By: Dr. Bitt Wise Progridant								
Dr. P. E. Ritt, Vice Presid Research and Engineering							resident-	
						Lngineerin	ıg	
Title of certifying official								
WARNING.—18 U. S. C., Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.								