

Form AEC-313 (2-73) 10 CFR 30	UNITED STATES ATOMIC ENERGY COMMISSION APPLICATION FOR BYPRODUCT MATERIAL LICENSE	Form approved Budget Bureau No. 38-20027
INSTRUCTIONS.—Complete Items 1 through 16 if this is an initial application or an application for renewal of a license. Information contained in previous applications filed with the Commission with respect to Items 8 through 15 may be incorporated by reference provided references are clear and specific. Use supplemental sheets where necessary. Item 16 must be completed on all applications. Mail two copies to: U.S. Atomic Energy Commission, Washington, D.C. 20545, Attention: Materials Branch, Directorate of Licensing. 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, and the license fee provisions of Title 10, Code of Federal Regulations, Part 170. The license fee category should be stated in Item 16 and the appropriate fee enclosed. (See Note in Instruction Sheet).		
1. (a) NAME AND STREET ADDRESS OF APPLICANT (Institution, firm, hospital person, etc. include ZIP Code and telephone number)	(b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. (If different from 1(a) include ZIP Code)	
CPC International Inc. 1001 Bedford North Kansas City, Mo. 64116	SAME	
2. DEPARTMENT TO USE BYPRODUCT MATERIAL	3. PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license, please indicate and give number)	
BLDGS. 5, 9, 17, & 16	24-12734-01 24-12734-02 - RENEWAL	
4. 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)	5. 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)	
A. NORMAN L. HARPER F. DEVER	E. D. HOWEY	
6. (a) BYPRODUCT MATERIAL. (Elements and mass number of each)	(b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLCURIES 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)	
CESIUM 137	Sealed Sources (Industrial Nucleonics) Model S6 A. 5 Sources, not to exceed 50 millicuries per source B. 1 Source, not to exceed 200 millicuries per source Sealed sources (OHMART A2102) C. 2 Sources, not to exceed 300 millicuries per source	
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.)		
A. To be used in Industrial Nucleonics Series SH300 source holders as part of Model DH-5 measuring beads to measure density of material flowing through pipes. B. To be used in Industrial Nucleonics Series SH300 source holders as part of Model DH-6 measuring beads to measure density of material flowing through pipes. C. To be used in Two (2) Ohmart Model SR-1 source holders for the detection of high level in cyclones.		

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TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4 (Use supplemental sheets if necessary)				
8. TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
a. Principles and practices of radiation protection	Ohmart		(☒) No	(☒) No
b. Radioactivity measurement standardization and monitoring techniques and instruments	Ohmart		(☒) No	(☒) No
c. Mathematics and calculations basic to the use and measurement of radioactivity	Ohmart		(☒) No	(☒) No
d. Biological effects of radiation	Ohmart		(☒) No	(☒) No

9. EXPERIENCE WITH RADIATION (Actual use of radioisotopes or equivalent experience)			
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE
		Working with Ohmart representatives at time of placing devices in service	

10. RADIATION DETECTION INSTRUMENTS (Use supplemental sheets if necessary)					
TYPE OF INSTRUMENTS (Include make and model number of each)	NUMBER AVAILABLE	RADIATION DETECTED	SENSITIVITY RANGE (mR/hr)	WINDOW THICKNESS (mg/cm ²)	USE (Monitoring, surveying, measuring)
None required Ohmart representatives will make radiation survey and occupancy evaluation at time of installation					

11. METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED ABOVE	
None required	

12. FILM BADGES, DOSIMETERS, AND BIO-ASSAY PROCEDURES USED (For film badges, specify method of calibrating and processing, or name of supplier)	
None required	

INFORMATION TO BE SUBMITTED ON ADDITIONAL SHEETS IN DUPLICATE	
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 (☒) Not applicable
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, servicing, maintenance and repair of the source.	
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.	

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.	
License Fee Category \$ _____ Fee Enclosed \$ _____ Date <u>July 13, 1978</u>	By: <u>CPC International Inc.</u> <u>Edward D. Howey</u> Safety Director 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.

U. S. GPO: 1973-543-126/511

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