Form AEC-313 8-64 10 CFR 30 UNITED STATES ATOMIC ENERGY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE

Form approved.

Budget Bureau No. 38-R027

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., 20345, Attention: Isotopes Branch, Division of Materials 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.

(c) NAME AND STREET ADDRESS OF APPLICANT. Institution, firm, hospital person, etc. Include ZIP Code.)	(b) STREET ADDRESSIES, AT WHICH BYPRODUCT MATERIAL WILL BE USED. (If different from 1 (a). Include ZIP Code.)
American Cyanamid Company	
Willow Island, West Virginia 26190	Same as 1 (a)
Analytical Chemistry Department	3 PREVIOUS LICENSE NUMBER(S) (If this is an application for renewal of a license please indicate and give number) 47 ~ 10136~1 (G~66)
NDIVIDUAL USER(S) Name and hitle of individual(s) who will use or directly supervise use of hyproduct material. Give training and experience in Items 8 and 9.1 R. W. Hagy Superintendent of Analytical Labs.	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; R. W. Hagy

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

F&M Electron Captive Detector Model No. 2-2837 containing U.S. Radium Lab 508-1 foil. A maximum of two cells, each containing 200 millicuries of Tritium to be possessed at any one time.

Nickel (63) F&M Electron Captive Detector. A maximum of one cell containing 2 millicuries of nickel (63) to be possessed at any one time.

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 storage container and/or device in

F&M Model 810-R-12 Chromatograph with dual flame (DF) and dual thermal conductivity (TC) detectors plus F&M Model 810-A-13-N attachment for adding electron captive (EC) detection to the basic dual flame instrument.

This instrument will be used for laboratory analysis.

9504200111 950410 PDR RC # SSD PDR

Tritium (Ha)

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representation to any department or agency of the United States One on agreement in its jurisdiction.