



**UNION CARBIDE CORPORATION**  
CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, W. VA. 25303

U14  
RUB

March 1, 1971

Mr. Robert Dube  
U. S. Atomic Energy Commission  
Isotopes Branch  
Division of Material Licensing  
Washington, D. C. 20545

Dear Mr. Dube:

This letter is an application for an amendment to our A.E.C. Byproduct Material License 47-00260-09.

Please amend Item 12, "Individual Users" to include Mr. J. H. Brubaker and Dr. B. W. DuVall. Item 12 would then read "Byproduct material shall be used by, or under the supervision of R. V. Sealey, C. R. Landfried, J. H. Brubaker, or Dr. B. W. DuVall."

Mr. Brubaker's and Dr. DuVall's training and experience are listed on our license 47-00260-02. A current tabulation of their training and experience is attached.

Your assistance in this matter is greatly appreciated. If any questions arise, please don't hesitate to call me at (304) 747-5414.

Sincerely yours,

Measurement Development & Technology  
CHEMICALS AND PLASTICS

RVSealey/ut

Attachment

COPIES  
SENT TO COMPLIANCE

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions 6  
FOIA- 2007-0179

20580

D-18

SUPPLEMENTAL ATTACHMENT

AEC-313

Item 8

J. H. Brubaker

TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB	FORMAL COURSE
a. Principles and practices of radiation protection	Union Carbide Chemicals and Plastics Div.	2 years	<input checked="" type="radio"/> Yes    No	Yes <input type="radio"/> No
b. Radioactivity measurement standardization & monitoring techniques & instruments	Union Carbide Chemicals and Plastics Div.	2 years	<input checked="" type="radio"/> Yes    No	Yes <input type="radio"/> No
c. Mathematics & calculations basic to the use & measurement of radioactivity.	Union Carbide Chemicals and Plastics Div.	2 years	<input checked="" type="radio"/> Yes    No	Yes <input type="radio"/> No
	University of Florida	9 months	Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes    No
d. Biological effects of radiation	Union Carbide Chemicals and Plastics Div.	2 years	<input checked="" type="radio"/> Yes    No	Yes <input type="radio"/> No

Educational History

DEGREE	COLLEGE OR UNIVERSITY	DATE ACQUIRED	MAJOR
A.A.	Hershey Junior College	[ ]	Science
B.S.	University of Florida		Physics
M.S.	University of Florida		Astronomy-Physics

Item 9 - Where Experience Gained

Isotope	Maximum Amount	Where Experience Gained	Duration of Experience	Type of Use
Cs <sup>137</sup>	Curies	Union Carbide Corp. Chemicals & Plastics Div.	2 years	Gauging
Ra <sup>226</sup>	mc	Union Carbide Corp. Chemicals & Plastics Div.	1 year	Testing steel vessels for carbon buildup
Am <sup>241</sup> Be	curies	Union Carbide Corp. Chemicals & Plastics Div.	6 months	Gauging

SUPPLEMENTAL ATTACHMENT

AEC-313  
Item 8

Dr. B. W. DuVall

TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB	FORMAL COURSE
a. Principles and Practices of radiation protection	Union Carbide Chemicals and Plastics Div.	10 months	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes <input type="radio"/> No
b. Radioactivity measurement standardization & monitoring techniques & instruments	Union Carbide Chemicals and Plastics Div.	10 months	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes <input type="radio"/> No
c. Mathematics & calculations basic to the use & measurement of radioactivity.	Union Carbide Chemicals and Plastics Div.	10 months	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes <input type="radio"/> No
	Wichita State University U. of Virginia	9 months 4 months	Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
d. Biological effects of radiation	Union Carbide Chemicals and Plastics Div.	10 months	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes <input type="radio"/> No

Educational History

DEGREE	COLLEGE OR UNIVERSITY	DATE ACQUIRED	MAJOR
B.A.	Wichita State University		Physics
M.S.	Wichita State University		Physics
PhD	University of Virginia		Physics

Item 9 - Where Experience Gained

Isotope	Maximum Amount	Where Experience Gained	Duration of Experience	Type of Use
Po <sup>210</sup> Be	Curies	Union Carbide Corp. Chemicals & Plastics Div.	4 months	Testing steel vessels for carbon buildup
Cs <sup>137</sup>	mc	Union Carbide Corp. Chemicals & Plastics Div.	10 months	Gauging
Am <sup>241</sup> Be	Curies	Union Carbide Corp. Chemicals & Plastics Div.	10 months	Gauging
Ra <sup>226</sup>	mc	Union Carbide Corp. Chemicals & Plastics Div.	4 months	Research & Development

(p)(6)

20590