



UNION CARBIDE CORPORATION

CHEMICALS AND PLASTICS

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

February 25, 1974

Mr. Robert E. Brinkman
Isotopes Branch
Division of Materials Licensing
United States Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Brinkman:

This letter is an application for amendments to A.E.C. Licenses 47-00260-02, 47-00260-06, and 47-00260-09. Please amend Condition 12 of License 47-00260-02 to read: "ByProduct material shall be used by or under the supervision of C. R. Landfried, R. V. Sealey, W. S. Kennedy, M. E. Cavender, M. L. Green, Dr. T. M. Austin or J. A. Boggess."

Please amend Condition 12 on License 47-00260-09 to read: "ByProduct material shall be used by or under the supervision of R. V. Sealey, C.R. Landfried, W. S. Kennedy, M. E. Cavender, M. L. Green, Dr. T. M. Austin or J. A. Boggess."

Mr. Sealey, Mr. Kennedy, Mr. Cavender, Mr. Green, Mr. Boggess and Mr. Landfried are currently listed as users or authorized handlers of byproduct material on License 47-00260-02 and License 47-00260-09. Their training and experience are presently on file with your agency. Attached is a current listing of Dr. T. M. Austin's training and experience.

Please amend the expiration date of License 47-00260-06 to read: "March 31, 1979."

In addition, would you amend Attachment 6 of our letter of July 23, 1973, concerning the renewal of License 47-00260-02 to read as shown on the attached sheet.

Dr. B. W. DuVall, who is listed on all three of our byproduct material licenses (47-00260-02, 47-00260-06, and 47-00260-09) as Radiation Protection Officer (RPO), is no longer with our company. Would you therefore change the listed RPO (Item 5 on form AEC-313) on all three of these licenses to read:

M. L. Green, Radiation Protection Officer
C. R. Landfried, Alternate Radiation Protection Officer

Mr. Landfried and Mr. Green's experience and training are on file with your agency. In addition, could you please include in our mailing address the notation: "Attention M. L. Green."

Your assistance in this matter will be greatly appreciated.

COPIES SENT TO
REGULATORY OPERATIONS

Sincerely yours,

R. V. Sealey
Measurement and Control Technology
CHEMICALS AND PLASTICS

RVS:jb
Attachments

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SUPPLEMENTAL ATTACHMENT

AEC-313

Item 8

Dr. T. M. Austin

TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB		FORMAL COURSE	
			Yes	No	Yes	No
a. Principles and Practices of radiation protection	Union Carbide Chemicals and Plastics Div.	3 months	<input checked="" type="checkbox"/>	No	Yes	<input type="checkbox"/>
b. Radioactivity measurement standardization and monitoring techniques and instruments	Union Carbide Chemicals and Plastics Div.	3 months	<input checked="" type="checkbox"/>	No	Yes	<input type="checkbox"/>
c. Mathematics and calculations basic to the use and measurement of radioactivity	Union Carbide Chemicals and Plastics Div.	3 months	<input checked="" type="checkbox"/>	No	Yes	<input type="checkbox"/>
	and University of Florida	1 year	Yes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No
d. Biological effects of radiation	Union Carbide Chemicals and Plastics Div.	3 months	<input checked="" type="checkbox"/>	No	Yes	<input type="checkbox"/>

Item 9 - Where Experience Gained

Isotope	Maximum Amt.	Where Experience Gained	Duration of Experience	Type of Use
Am ²⁴¹ Be	Curies	Union Carbide Corp. Chemicals & Plastics Div.	3 months	Testing steel vessels for carbon buildup
Cs ¹³⁷	Curies	Union Carbide Corp. Chemicals & Plastics Div.	3 months	Gauging

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Attachment 6

Source size will be limited to the maximum activity rating of the source holders.

Encapsulations and source holders we use or expect to use are:

- A. Cesium-137
1. U.S. Radium LAB-236, LAB-11C, LAB-11D,
LAB-236CL-4, and LAB-236CL-5
 2. Ohmart Corp. A-2102, A-2103, A-2104,
A-2099, A-2095, A-2097
In Ohmart safety holders Models SHRM, SHRH, SHRD,
SHRM-PA, SHRH-A, HM-8, SR-1, SR-2, or Ohmart ASR, LASR,
ES-2, -3, and -4 density gauges.
 3. Industrial Nucleonics BB-S-10053, BB-S-10051,
BB-S-10062, BB-S-10063
In Industrial Nucleonics Safety Holders LS-101 or LS-102
 4. Nuclear Chicago - RR-138, A/S 850233, 850263, 3M4P6M
TN570-57157C, 3M4P6E
In Nuclear Chicago (Texas Nuclear) source holders
5182, 5182A, 5183, 5183A, 5188, 5189, 5190, 5191,
5192, 5193, 5084, 5086, 5088, 5174, 5175, 5176,
5186, 5178, 5178A, 5179, 5179A, 5180, 5180A, 5181, 5181A
 - * 5. Amersham/Searle 850233 encapsulation
In Kay-Ray Model 7062 Source holders
- B. Strontium 90
1. U.S. Radium Model LAB-207B encapsulation
In Numinco SH-1A source holders
 2. Industrial Nucleonics Models BB-0019-3, BBS-10072,
BBS-10073; in Industrial Nucleonics Source Holders
DH-2 or DH-3
- C. Strontium 90
1. U.S. Radium Model LAB 369 Chromatographic Cell
 2. Barber-Coleman RS 3369
 3. U.S. Nuclear C-5
- D. Co⁶⁰
1. Tracerlab R31-1 Hermetically Sealed Source in
a Lead Filled Steel Source Holder
- E. Am²⁴¹Be
1. Monsanto Research Corp. Model MRC-N-55-W-AmBe
10 gallon polyethylene filled steel pot
- F. Am²⁴¹Be
1. Monsanto Research Corp. Model MRC-A-SS-W-Am-601
in a cardboard box

* Added February, 1974

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