

Monsanto

C O M P A N Y

800 N. Lindbergh Boulevard
St. Louis, Missouri 63166

March 11, 1965

Mr. Robert E. Brinkman
U. S. Atomic Energy Commission
Isotopes Branch
Division of Licensing & Regulation
Washington 25, D.C.

Dear Mr. Brinkman:

Confirming our telephone conversation we request amendment of our radio-isotope license 24-1113-8(G-65)(amended) to increase our authorized limits of:

Tin 119
Iodine 125
Tantalum 182
Tellurium 121
Tellurium 123
Tellurium 127

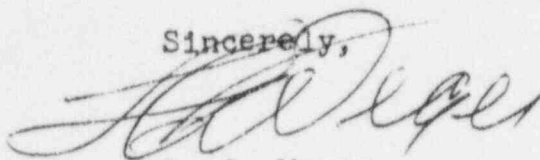
from 10 millicuries to 75 millicuries.

We understand that if these limits are approved that any sealed sources will come under condition #17 as listed in the present license and relating to leak testing.

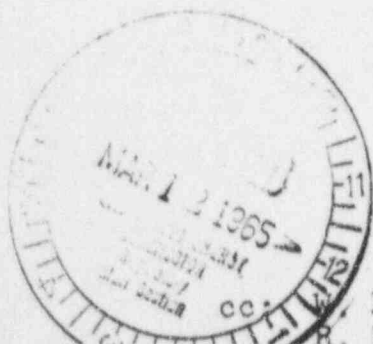
At this time we also desire to add the names of William E. Koerner and Richard M. Levy to those names listed in item #12 of the present license. Qualifications of these nominees are attached.

As we discussed we are in urgent need for a larger source of Iodine 125 than presently authorized, and we will be grateful for any expediting you can render.

Sincerely,



L. C. Weger
Safety Director
Research Center &
General Offices



cc: E. Koerner
R. M. Levv
9702270257 970106
PDR FOIA
NEITZEL96-314 PDR

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DUPLICATED
FOR DIV. OF COMMERCE

TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4 (Use supplemental sheets if necessary)

B. TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
a. Principles and practices of radiation protection	Lawrence Radiation Laboratory Univ. of California Berkeley, California	4 yrs	Yes No	Yes No
b. Radioactivity measurement standardization and monitoring techniques and instruments	"	"	Yes No	Yes No
c. Mathematics and calculations basic to the use and measurement of radioactivity	"	"	Yes No	Yes No
d. Biological effects of radiation			Yes No	Yes No

9. EXPERIENCE WITH RADIATION. (Actual use of radioisotopes or equivalent experience.)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
La ¹⁴⁰ Pr ¹⁴³ Eu ¹⁵¹ Hf ¹⁸⁰ Cs ¹³⁷	N 10-50 mC	Lawrence Rad. Lab Berkeley, Calif.	4 yr.	Research on gamma radiation coincidence rates and nuclear alignment (Ph.D. thesis) Ion exchange, micro-chemistry.
Many others				

TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4 (Use supplemental sheets if necessary)

B. TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
a. Principles and practices of radiation protection	Org. Chem.Div. - Monsanto Co	4 mo.	Yes No	Yes No
b. Radioactivity measurement standardization and monitoring techniques and instruments	Org. Chem.Div. - Monsanto Co.	2 mo.	Yes No	Yes No
c. Mathematics and calculations basic to the use and measurement of radioactivity	University of Wisconsin Org. Chem.Div. - Monsanto Co	1 semester 2 mo.	Yes No	Yes No
d. Biological effects of radiation	Univ. of Wisconsin	1 semester	Yes No	Yes No

9. EXPERIENCE WITH RADIATION. (Actual use of radioisotopes or equivalent experience.)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
C ¹⁴	50 mc	Monsanto Co.	12 mo.	Analytical method development. Purification of tagged compounds by gas chromatography

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