

ML:IB:BWC(24-1113-8)

AUG 13 1964

Monsanto Company
800 North Lindbergh Boulevard
St. Louis, Missouri

Attention: Mr. L. C. Weger

Gentlemen:

Enclosed is Amendment No. 2 to Byproduct Material License
24-1113-8 issued in response to your application dated
June 15, 1964.

Several of the radioisotopes listed in your application
appear to be cyclotron produced and, as such, do not
require an AEC byproduct material license. Should any
of the requested radioisotopes not included on this
license be reactor produced, please notify this office
in order that appropriate licensing action can be taken.

Sincerely yours,

Robert E. Brinkman
Isotopes Branch
Division of Materials
Licensing

Enclosures:

1. Amendment 2
2. Form AHW-313

bcc: Compliance Region III

OFFICE	ML:IB	ML:IB			
SURNAME	BWChurchill/vk	REBrinkman			
DATE	8/13/64	8/13/64			

9702270254 970106
PDR FOIA
NEITZEL96-314 PDR

Form AHW-313 (Rev. 9-62)

U. S. GOVERNMENT PRINTING OFFICE 16-62781-8

A1162

DATE RECEIVED EXPIRATION DATE ISSUE DATE REVIEWER
 July 31, 1965
 CONTROL NO. REFERENCE NO. LICENSE NO. AMENDMENT NO.
 24-1113-8 2 - continuity

ISOTOPE	FORM	POSSESSION LIMIT
A. Sr^{90}	A. Sealed sources (U.S. Radium Corp. Model 369) contained in Barber-Colman Co. Model A-4145	A. 3 sources of 20 mc each
B. H^3	B. detector cells	B. 2 sources of 200 mc each
C. Ti^{119m}	C. Tritium foil (U.S. Radium Corp. Model LAB 508-1) contained in F.M. Smith Co. Model 2-2837-M	C. 10 mc
D. I^{125}	D. 2-2830 detector cells	D. 10 mc
E. Technetium 182	E.	E. 10 mc
F. Tellurium 121m	F. C-H any	F. 10 mc
G. " 123m	G.	G. 10 mc
H. " 127m	H.	H. 10 mc

AUTHORIZED USE

A. To be used in Barber-Colman Co. Model 10 or Model 20 gas chromatography unit
 B. " " " " F.M. Smith Co. gas chromatography unit.
 C-H. To be used as Missbauer sources

REMARKS: letters, Phone calls, Visits, Exemptions, Etc. (Use reverse side if necessary)

- ① D.R. Beasecker or W.S. Oakley
- ② the Model A-4145 detector cells
- " H^3 foil shall not be removed from detector cells by the licensee.
- ③
- ④
- ⑤ D. the licensee in 5 other ...
- ⑥ exp. dtd. June 16, 1961

MAIL TO:

L.C. Wager

DATE MAILED

AUG 13 1964

REVIEWER

WJH RLB

DATE

8/13/64
8/13/64

ADMINISTRATIVE