

Patented December 1, 1964
U.S. Pat. 3,141,841
Class. 253-101

Patented December 1, 1964

This patent is issued under the provisions of the Atomic Energy Act of 1954, as amended, and the Atomic Energy Act of 1962, as amended.

It is intended to extend the expiration date from June 30, 1967 to June 30, 1968.

Wherein the license number is changed from (762) to (764).

Items 1, 7, 8 and 9 are amended to read:

6. Byproduct material
(license # 764)

7. Chemical and/or physical form

Maximum amount of indium
which licensee
may possess at any one
time

A. Cobalt 60
B. Cesium 137

A. Sealed sources (Tracerlab, Inc.)
B. Sealed sources (Tracerlab, Inc.)

A. 10 sources
B. 1 source
C. 1 source
D. 1 source
E. 1 source
F. 1 source
G. 1 source
H. 1 source
I. 1 source
J. 1 source
K. 1 source
L. 1 source
M. 1 source
N. 1 source
O. 1 source
P. 1 source
Q. 1 source
R. 1 source
S. 1 source
T. 1 source
U. 1 source
V. 1 source
W. 1 source
X. 1 source
Y. 1 source
Z. 1 source

C. Tin 113
D. German 68
E. Barium 133
F. Selenium 75
G. Iron 59
H. Americium 241
I. Cesium 137
J. Californium 251
K. Polonium 210

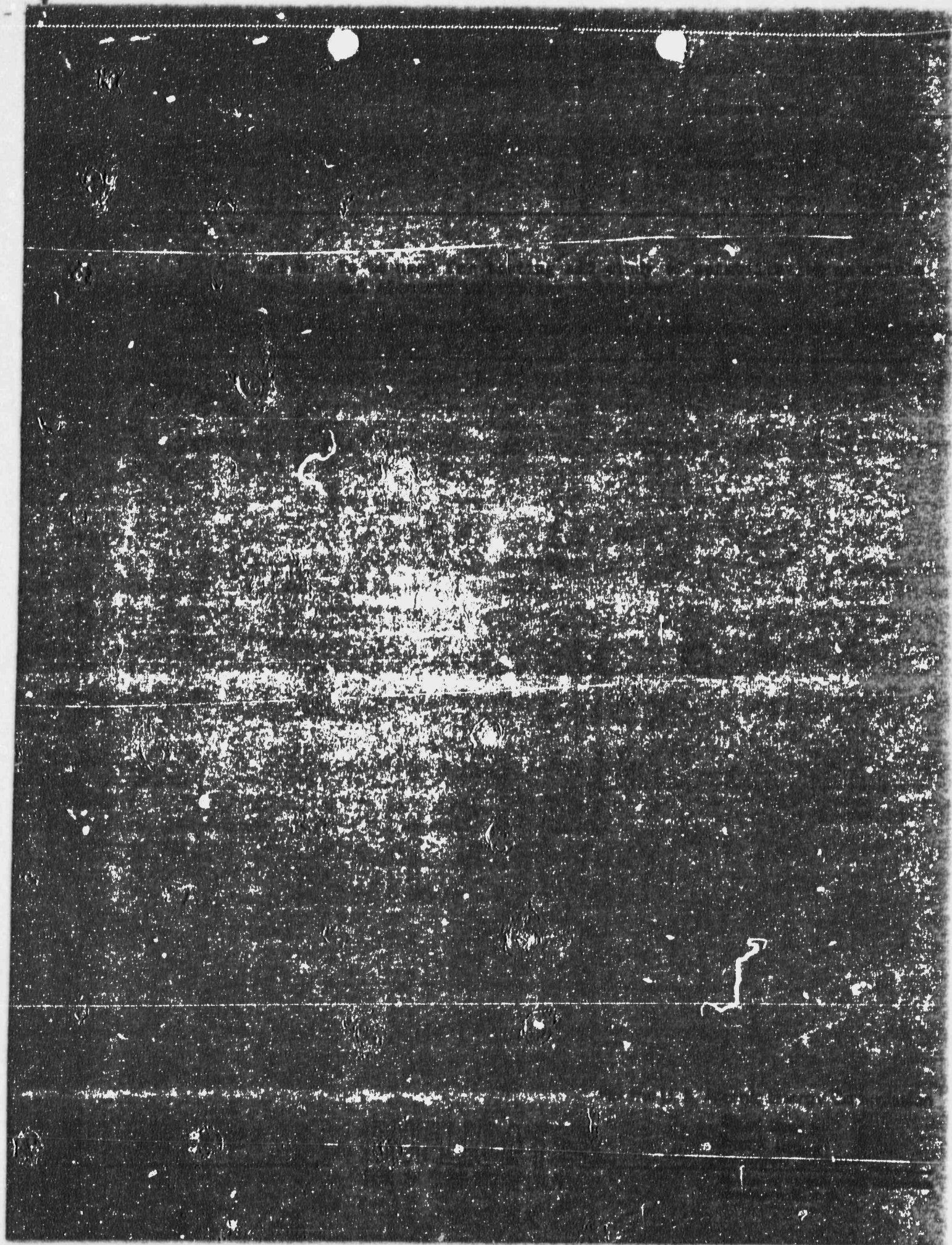
C. 3 sealed sources (Tracerlab, Inc.)
D. Sealed sources (Tracerlab, Inc.)
E. Sealed sources (Tracerlab, Inc.)
F. Sealed sources (Tracerlab, Inc.)
G. Sealed sources (Tracerlab, Inc.)
H. 1000 sealed sources
I. 1000 sealed sources
J. 1000 sealed sources
K. Research Corp. (Tracerlab, Inc.)
L. 1000 sealed sources
M. Sealed sources (Tracerlab, Inc.)
N. Research Corp. (Tracerlab, Inc.)
O. 1000 sealed sources
P. 1000 sealed sources
Q. 1000 sealed sources
R. 1000 sealed sources
S. 1000 sealed sources
T. 1000 sealed sources
U. 1000 sealed sources
V. 1000 sealed sources
W. 1000 sealed sources
X. 1000 sealed sources
Y. 1000 sealed sources
Z. 1000 sealed sources

A. 10 sources
B. 1 source
C. 1 source
D. 1 source
E. 1 source
F. 1 source
G. 1 source
H. 1 source
I. 1 source
J. 1 source
K. 1 source
L. 1 source
M. 1 source
N. 1 source
O. 1 source
P. 1 source
Q. 1 source
R. 1 source
S. 1 source
T. 1 source
U. 1 source
V. 1 source
W. 1 source
X. 1 source
Y. 1 source
Z. 1 source

TO BE USED FOR RECORDING AND STUDY OF RESEARCH IN THE AREA OF

U. S. Atomic Energy Commission

DUPLICATED



(12-61)

| | | | |
|---|--|--|---------------------|
| Date Received MAY 14 1962 | Expiration Date | Issue Date | Tech. Review WSC |
| Control No. 43316 | Reference No. | License No. 34-6558-1 (764) | Amendment N 5 |
| Isotope | Form | Possession Limit | |
| A. du acc with app received may 14, 1962 Lic# 1 is amended as follows: | | | |
| B. Item 4 is amended to extend the expiration date from June 30, 1962 to June 30, 1964. | | | |
| C. The symbol below the license # is changed from (76) to (764). | | | |
| D. Items 6, 7, 8 and 9 are amended to read: | | | |
| E. A. Cobalt 60 | D. A. sealed source (Tracerlab, Inc.) | D. A. 20 μ c | |
| F. B. Cesium 137 | B. sealed source (Tracerlab, Inc.) | E. B. source of 5 mc. 1 source 4 50 μ c. source 5.05 | |
| G. C. Tin 113 | E. C. sealed source (Tracerlab, Inc.) | F. C. 30 μ c | |
| H. D. Cerium 144 | F. D. " " (" ") | G. D. 30 μ c | |
| I. E. Mercury 203 | G. E. " " (" ") | H. E. 50 μ c | |
| J. F. Selenium 75 | H. F. " " (" ") | I. F. 20 μ c | |
| K. G. Iron 55 | H. G. sealed source, " " | J. G. 50 μ c | |
| L. H. Americium-241 | H. I. sealed source Authorized Use | K. H. 24 μ c | |
| M. I. Curium 244 | I. " " " " | L. I. 24 μ c | |
| N. J. Californium 252 | J. " " " " | M. J. 24 μ c | |
| O. K. Polonium 210 | K. Monsanto Research Corp. plate source | N. K. 1 mc | |
| P. Californium 252 Lanthanum 131 | L. any | O. L. 500 μ c | |
| Q. M. Cesium 137 | M. sealed source (Monsanto Research Corp. Custom) | P. M. 20 μ c | |
| R. N. Lanthanum 140 | N. 2 mg | Q. N. 500 μ c | |

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

88 10mc
 89 100mc
 90 100mc
 91 100mc
 92 100mc
 93 100mc

P. A-G, L, M and O: — copy from 313
 H-K, N: —

rdol m
 " "
 " "
 changes

| Conditions | | | |
|------------|--------|---------|-----|
| 1. ABC | 6. | 11. | 16. |
| 2. ABC | 7. | 12. | 17. |
| 3. ABCD | 8. ABC | 13. | 18. |
| 4. AB | 9. ABC | 14. ABC | 19. |
| 5. | 10. | 15. | 20. |
| | | | 21. |

| | | |
|--|-------------|---|
| Mail to: | Date Mailed | Approve <input checked="" type="checkbox"/> Void <input type="checkbox"/> |
| 201. Andrew Ryland Security Officer | MAY 21 1962 | Tech. Reviewer WSC Date 5/21/62 |
| | | Chief RLB Date 5/21/62 |

LBudi