

**U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE**

Page 1 of 2 Pages

No. 24-3090-1 AMENDMENT NO. 3  
(J64)

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

**Licensee**

1. Name **National Lead Company**
2. Address **Refinery Department  
Fredericktown, Missouri**

- In accordance with application dated March 18, 1960,**
3. License number **24-3090-1 is amended in its entirety to read as follows:**
  4. Expiration date **October 31, 1964**
  5. Reference No.

6. Byproduct material  
(element and mass number)

**A. Cobalt 60  
(See Page 2)**

7. Chemical and/or physical form

**A. Sealed Sources  
(Instruments, Inc., Model  
No. B-2B-14)  
(See Page 2)**

8. Maximum amount of radioactivity  
which licensee may possess at any  
one time.

**A. 3 sources of 25 millicuries  
each. Total 125 millicuries.  
(See Page 2)**

9. Authorized use

- A. For use in Instruments, Inc., Model No. B-2B-06 Source Holders to determine level of liquids in autoclaves.**
- B. For use in Instruments, Inc., Model No. B-03-13 Source Holders to determine level of liquids in autoclaves.**

**CONDITIONS**

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Part 30, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."
12. Byproduct material shall be used by, or under the direct supervision of, J. E. Griffin or Victor Bailey.
13. Byproduct material as sealed sources shall not be stored by the licensee.
14. Sealed sources containing Cobalt 60 shall be tested for external contamination and/or leakage upon receipt from another person, except when the licensee receives certification from the supplier that the sources have been tested within 30 days prior to transfer and found free of surface contamination. Sources shall be tested for contamination and/or leakage at intervals of not more than 6 months thereafter. Sources independently or permanently mounted in a device may be tested by checking accessible surfaces of the device for removable contamination. The test shall be  
**(See Page 2)**

U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE  
Supplementary Sheet

License Number 24-3090-1  
(J64)

AMENDMENT NO. 3

Continued from Page 1

6. Byproduct material (element & mass number)	7. Chemical and/or physical form	8. Maximum amount of radio- activity which licensee may possess at any one time
B. Cobalt 60	B. Sealed Sources (Instruments, Inc., Model No. B-20-14)	B. 9 sources of 30 millicuries each. Total 450 millicuries

**CONTINUED**

14. (continued) sufficiently sensitive to detect 0.05 microcuries of radioactive material on the surface of sources or devices. Records of test results shall be maintained by the licensee.

If the test reveals removable radioactive material, the licensee shall take immediate action to prevent spread of contamination, initiate corrective action and shall notify the Manager of the nearest Atomic Energy Commission Operations Office listed in Appendix B of Title 10, Code of Federal Regulations, Part 10, within 10 days. The report shall include a statement of corrective action taken.

Such tests shall be performed by persons specifically licensed by the Commission to perform such tests.

For the U. S. Atomic Energy Commission

Original Signed By

James R. Mason

by

Division of Licensing and Regulation  
Washington 25, D. C.

**DUPLICATED**  
FOR DIV. OF INSP

*Shil / WSC*

*R 23 4/8/60*

In 200 with no date  
March 19, 1960

Date Received MAR 21 1960	Expiration Date October 31 1964	Issue Date	Technical Reviewer WBC
Control No. 24503	Reference No.	License No. 24-3070-1 (J64)	Amendment No. 3 entirely
Isotope	Form	Possession Limit	
A. Cobalt 60	A. sealed sources (instruments, inc. model no. B-20-14)	A. 5 sources of 25 mc each. Total 125 mc.	
B. Cobalt 60	B. sealed sources (instruments, inc. model no. B-20-14)	B. 7 sources of 50 mc each. Total 450 mc.	
C.	C.	C.	
D.	D.	D.	
E.	E.	E.	
F.	F.	F.	
G.	G.	G.	
H.	H.	H.	

Authorized Use

A. } Copy from am 2  
B }

J.E. Giffon  
Victor Bailey

SCHa Review: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Type User (Circle One) 1 2 3 4 5 6 7 Other	Conditions
REMARKS, letters, phone calls, visits, exemptions, etc. (Use reverse side if necessary) leak test Co-60 sources - covers letter new users		1. A B C 12. 2. A B C 13. 3. A B C D 14. A B C 4. A B 15. 5. 16. 6. 17. 7. 18. 8. A B C 19. 9. A B C 20. 10. 21. 11. (Use reverse side if necessary)
Mail to: asst Safety Director		Technical Reviewer WBC Date 4-7-60
at: Allen R. King		Chief BFB Date 4-8-60
Date Mailed APR 8 1960		