

**ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE**

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**LICENSE NO. 24-3090-1  
AMENDMENT NO. 2 (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  
Pewaricktown, Missouri**

In accordance with application dated  
**October 9, 1959,**  
3. License number **24-3090-1** is amended in its  
entirety as follows:  
4. Expiration date **October 31, 1964**  
5. Reference No.

6. Byproduct material  
(element and mass number)

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

7. Chemical and/or physical form

**A. Sealed Sources  
(Instruments, Inc., Model  
No. D-20-14)  
(See Page 2)**

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

**A. 125 millirads (5 sources  
not exceeding 25 milli-  
rads each)**

9. Authorized use

- A. For use in Instruments, Inc., Model No. D-20-06 Source Holders to determine level of liquids in autoclaves.**
- B. For use in Instruments, Inc., Model No. D-43-13 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 materials shall be used by, or under the direct supervision of, a. a. individual.
- 13. Byproduct material as sealed sources shall not be opened.

**DUPLICATED  
FOR DIV. OF INSP**

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Supplementary Sheet

License Number 24-3090-1  
(J64)

AMENDMENT NO. 2

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
E. Cobalt 60	E. Coated Sources (Instrumente, Inc., Model No. B-10-1A)	E. 450 millifarads (9 sources not exceeding 50 milli- farads each)

For the U. S. Atomic Energy Commission

Original Signed By

James R. Mason

by

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

Date

1. G. L. Hill / R. J. H.

R E B 40/21/59

Date Received	Expiration Date	Issue Date	Technical Reviewer
Control No. 22511	Reference No.	License No.	Amendment No.
Isotope	Form	Possession Limit	
A. <i>Co-60</i>	A. <i>Medical (H, P-26-1-1)</i>	A. <i>1000 Ci</i>	
B.	B.	B. <i>1000 Ci</i>	
C.	C.	C. <i>1000 Ci</i>	
D. <i>P-26-1-1</i>	D.	D. <i>1000 Ci</i>	
E.	E.	E. <i>1000 Ci</i>	
F.	F.	F. <i>1000 Ci</i>	
G.	G.	G. <i>1000 Ci</i>	
H.	H.	H. <i>1000 Ci</i>	

#### Authorized Use

- A. For use in a laboratory, *Medical (H, P-26-1-1)*  
 Source of *Co-60* to determine level of liquid in containers.
- B. For use in a laboratory, *Medical (H, P-26-1-1)*  
 Source of *Co-60* to determine level of liquid in containers.

SCHA Review: <input type="checkbox"/> Yes <input 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)		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. <i>only</i> 18.
		8. A B C 19.
		9. A B C 20.
		10. 21.
		11. (Use reverse side if necessary)
		<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Void
		Technical Reviewer <i>KRM</i> Date <i>10/21/59</i>
Mail to: <i>McDowell</i>		Chief <i>RKM</i> Date <i>10/21/59</i>
Date Mailed OCT 21 1959		