

DLR:IB:WOM (29-6033-1)

JAN 10 1962

National Lead Company
1050 State Street
North Amboy, New Jersey

Attention: Mr. J. J. Cullen

Gentlemen:

Enclosed find Amendment No. 5 to Byproduct Material License No. 29-6033-1 issued against your application dated November 17, 1961.

We should like to call your attention to the survey requirements found in Section 31.303 of 10 CFR Part 31. It is not clear that your operating and emergency procedures require radiographic personnel to make a physical radiation survey after each source exposure to determine that the source has been returned to its storage position in the exposure device. Your procedures should be revised accordingly.

It may be useful at this time to consolidate your operating and emergency procedures into one document rather than having various supplemental sheets which amend the basic set of procedures. If you have done this or do so, we would like to receive three copies of the revised procedures.

Very truly yours,

William O. Miller
Senior Licensing Reviewer
Isotopes Branch
Division of Licensing and
Regulation

Enclosures:
Amend. No. 5
Form AEC-313
10 CFR 20, 30 & 31

A/13

OFFICE ▶	LR:IB				
SURNAME ▶	WOM 1/10/62				
DATE ▶	1/3/62				

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		In accordance with application dated November 17, 1961.
1. Name	National Lead Company	
2. Address	1050 State Street Perth Amboy, New Jersey	3. License number 29-6033-1 is amended in its entirety to read as follows:
		4. Expiration date December 31, 1963
		5. Reference No.
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
A. Cobalt 60	A. Sealed Sources (Technical Operations Model A-453-1)	A. One source of 2 curies and one source of 50 curies
9. Authorized use		
A. For use in Technical Operations Model 446 projector for the performance of industrial radiography.		

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. The authorized place of use includes temporary job sites of the licensee in the following states: Pennsylvania, Delaware, Maryland, Ohio, Indiana, Illinois, New York and the District of Columbia. Temporary use may also be made in other states providing the Atomic Energy Commission, Division of Licensing and Regulation, is notified of the location(s) of such use not later than four (4) days after the first day of use.
12. Except as hereinafter provided, the licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards For Protection Against Radiation", and Part 31, "Radiation Safety Requirements For Radiographic Operations". In lieu of the requirements of 10 CFR, Section 20.203(c)(2), which state "Each high radiation area shall be equipped with a control device which shall either cause the level of radiation to be reduced below that at which an individual might receive a dose of 100 millirem in one hour upon entry into the area or shall energize a conspicuous visible or audible alarm signal in such a

(see Page 2)

BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

License Number 29-6033-1
(L63)

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Amendment Number 5

CONDITIONS

12. Continued

manner that the individual entering and the licensee or a supervisor of the activity are made aware of the entry", the entrance to the high radiation area must be under continuous surveillance of the operator and/or locked so as to make the area inaccessible at all times when a radiation level exists therein which could cause an individual to receive a dose in excess of 100 millirem in one hour.

13. The individuals listed below are the only persons authorized to act as radiographers under this license. "Radiographer" is defined in Title 10, Code of Federal Regulations, Part 31, "Radiation Safety Requirements For Radiographic Operations", Section 31.3(a).

James J. Cullen	John M. Nees
George L. Stukenbroeker	Julian Kerner

14. The licensee shall possess and use byproduct material described in Items 6, 7 and 8 of this license in accordance with statements, representations and procedures contained in its applications dated December 10, 1959 and November 17, 1961, and letters to the Commission dated January 12, 1959 and January 5, March 21, August 24 and December 14, 1960 and the below document:

A. "Radiation Protection Procedures", contained in application dated December 10, 1959 as amended by "Supplement", submitted with letter dated August 24, 1960.

15. The licensee is authorized to receive, possess and use sealed sources of Cobalt 60 where the radioactivity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:

A. Such possession does not exceed the quantity per source specified in Item 8 by more than 10% for Cobalt 60; and

B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor of the byproduct material.

DUPLICATED
FOR DIV. OF COMPLIANCE

for the U. S. Atomic Energy Commission

Original Signed By
James R. Mason

Chief, Isotopes Branch

Date JAN 10 1962

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

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