

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

License No. 29-06033-01

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Amendment No. 10

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, 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 1050 State Street
Perth Amboy, New Jersey
08861

In accordance with application dated
November 7, 1966

3 License number 29-06033-01 is amended
in its entirety to read as follows:

4 Expiration date

December 31, 1969

5 Reference No.

6 Byproduct material
(element and mass number)

7 Chemical and/or physical
form

8 Maximum amount of radioac-
tivity which licensee may pos-
sess at any one time

A. Cobalt 60

A. Sealed Source
(Technical Operations
Model A-453-1)

A. No single source to
exceed 50 curies.

9. Authorized use

A. To be used in Technical Operations Model 466 exposure device for
industrial radiography.

CONDITIONS

10. Byproduct material may only be used at the licensee's address
listed in Item 2 above and at temporary job sites of the licensee
anywhere in the District of Columbia and the following States:
Pennsylvania, Delaware, Maryland, Ohio, Indiana and Illinois.

11. 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 34, "Licenses for
Radiography and Radiation Safety Requirements for Radiographic
Operations." In lieu of the control device requirements of
Section 20.203(c)(2), 10 CFR 20, the entrance to the high
radiation area must be under continuous surveillance of a
radiographer or radiographer's assistant 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.

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CONDITIONS

12. The individuals listed below are the only persons authorized by this license to act as radiographers or radiographers' assistants as defined in Section 34.2(b) and (c), 10 CFR 34.

James J. Cullen
John M. Nees

George L. Stukenbroeker
Julian Kerner

13. 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;
- 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; and
- C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in Section 34.21, 10 CFR 34.

14. A. Pursuant to Section 34.25, 10 CFR 34, the licensee is authorized to perform tests for leakage or contamination of the sealed sources authorized by this license in accordance with procedures contained in (a) letter dated January 12, 1965, from J. J. Cullen, with test samples evaluated by consolidated Nuclear Services Company, Rumson, New Jersey; or (b) Technical Operations Model 518 leak test kit.
- B. In accordance with Section 34.25, 10 CFR 34, leak tests may also be performed by other persons specifically licensed by the Commission to perform such services.

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CONDITIONS

15. Except as specifically provided otherwise by this license, 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 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 following documents:

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

Date DEC 7 1966
mfl/ec *WT* 12-6-66

For the U. S. Atomic Energy Commission
Original Signed By
William O. Miller
by Isotopes Branch

Division of Materials Licensing
Washington, D. C. 20545