20 room 5

Metal Division

PHILIP W. RUPPERT, MANAGER
J. H. SABO, ASST. MANAGER

NATIONAL LEAD COMPANY

Atlantic Branch

Manufacturers of "DUTCH BOY" PRODUCTS

PHILIP W. RUPPERT
MANAGER

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1050 STATE STREET
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PERTH AMBOY, N. J.
VALLEY 6-6000

file NAR

January 12, 1962

Mr. William O. Miller
Isotopes Branch
Division of Licensing & Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. O. Miller:

Ref: DLR:IB:WOM; AEC License 29-6033-1

We are in receipt of your letter dated January 10, 1962 including the renewal of our Byproducts Material License No. 29-6033-1, in this letter you request clarification of our operating procedures for conducting a physical survey after each source exposure to determine that the source has been returned to its storage container.

I have enclosed a copy of a letter written to Mr. James R. Mason on December 14, 1960, by our Mr. George Stukenbroeker, which outlined our procedure in relation to source survey. This monitoring of the source after each exposure, with a portable survey instrument is conducted at all times. Records are on hand showing the radiation level at the source container after the completion of each days testing.

If there are any questions associated with our answers to you on this matter, please contact the writer.

Very truly yours,

James J. Cullen

J. J. Cullen

tmck
Enc.

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NATIONAL LEAD COMPANY
111 BROADWAY
NEW YORK 6, N. Y.

NUCLEAR METALS DIVISION

December 14, 1960

Mr. James R. Mason, Chief
Isotopes Branch
Division of Licensing & Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Mason:

Ref: DLR:RGP; AEC License 29-6033-1

COPY

We are in receipt of your registered letter dated November 30, 1960. In this letter you state several items in which we are not in compliance with conditions of our AEC Byproduct Material License No. 29-6033-1.

Relative to your Item 1, an electric alarm was installed on the doors to the Standardization Laboratory on about October 20, 1960. When either of the doors are opened an alarm will be set off. This alarm is also interlocked to the plant protection office, where someone is in attendance at all times.

Your Item 2 states a physical radiation survey was not made after the completion of each radiographic exposure to determine that the 51 curie cobalt 60 source was returned to its storage condition. In actual practice a survey was made everytime with our portable survey instrument, but no record was made of this survey. Since about September 1, 1960, a record has been made of these physical examinations to determine if the sources are in "safe" storage.

Concerning your Item 3, since about September 1, 1960, records have been established which will show source utilization. This will permit the determination of average radiation levels around and in our restricted areas. Our personnel radiation monitoring has always been in compliance with conditions of our license. Environmental surveys have always been made, but records are now kept of these surveys. On September 6, 1960, both of our cobalt 60

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sealed sources were leak tested by Picker X-ray Corporation and found to be less than 0.002 microcuries. These results are put in record form for the regular AEC inspection.

It is requested that James J. Cullen, a licensed radiographer, be placed as the Health Physics Officer for our 29-6033-1 license and that my name be deleted from this responsibility. Mr. Cullen is a permanent employee of the National Lead Company at Perth Amboy, New Jersey.

If there are any questions associated with our answers to your letter of November 30, 1960, please contact me.

Very truly yours,

G. L. Stukenbroeker

GLS:FK

Bcc: Messrs. Ruppert
Cullen
Ciborski

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