



**NATIONAL LEAD COMPANY**

METAL DIVISION

Eastern Area  
1050 State Street  
P.O. Box 831  
Perth Amboy, New Jersey 08862

Samuel R. Hollingsworth, Manager  
Alfred F. Podesta, Sales Manager

November 3, 1969

U.S. Atomic Energy Commission  
Washington, D.C. 20545

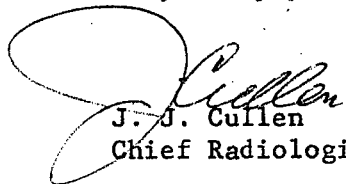
Attention: Isotopes Branch  
Division of Materials Licensing

Gentlemen:

Enclosed please find the National Lead Company application, Form AEC-313, for renewal of Byproduct License Number 29-6033-1, which is due to expire December 31, 1969.

Any additional information which may be required will be forwarded upon request.

Very truly yours,



J. J. Cullen

Chief Radiological Officer

JJC:ad

Encl.

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NATIONAL LEAD COMPANY

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Edward J. Hanley  
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John Watt

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Form AEC-313  
8-64  
10 CFR 30

UNITED STATES ATOMIC ENERGY COMMISSION

### APPLICATION FOR BYPRODUCT MATERIAL LICENSE

Form approved  
Budget Bureau No. 38-R0027

**INSTRUCTIONS.**—Complete Items 1 through 16 if this is an initial application or an application for renewal of a license. Information contained in previous applications filed with the Commission with respect to Items 8 through 15 may be incorporated by reference provided references are clear and specific. Use supplemental sheets where necessary. Item 16 must be completed on all applications. Mail two copies to: U.S. Atomic Energy Commission, Washington, D.C., 20545, Attention: Isotopes Branch, Division of Materials Licensing. Upon approval of this application, the applicant will receive an AEC Byproduct Material License. An AEC Byproduct Material License is issued in accordance with the general requirements contained in Title 10, Code of Federal Regulations, Part 30, and the Licensee is subject to Title 10, Code of Federal Regulations, Part 20.

1. (a) NAME AND STREET ADDRESS OF APPLICANT. (Institution, firm, hospital, person, etc. Include ZIP Code.)

National Lead Company  
1050 State Street  
Perth Amboy, New Jersey 08862

(b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. (If different from 1 (a). Include ZIP Code.)

2. DEPARTMENT TO USE BYPRODUCT MATERIAL

Nuclear Shielding

3. PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license, please indicate and give number.)

29-6033-1 - Renewal

4. INDIVIDUAL USER(S). (Name and title of individual(s) who will use or directly supervise use of byproduct material. Give training and experience in Items 8 and 9.)

James J. Cullen, Technical Supt.  
George L. Stukenbroeker, Resident Scientist  
John M. Nees, Chemist  
Leo George, Foreman

5. RADIATION PROTECTION OFFICER (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in Items 8 and 9.)

James J. Cullen

6. (a) BYPRODUCT MATERIAL. (Elements and mass number of each.)

Cobalt 60

(b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)

42 Curies, 22 Curies, 1 Curie, 1 Millicurie

Technical Operations - Source Model No. A-453-1  
50 Curies Maximum

7. DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If byproduct material is for "human use," supplement A (Form AEC-313a) must be completed in lieu of this item. If byproduct material is in the form of a sealed source, include the make and model number of the storage container and/or device in which the source will be stored and/or used.)

446 Projector - Byproduct material used in radiation shielding integrity inspection, radiography, Gamma Scanning and Gamma Probing.

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1. (a) NAME AND STREET ADDRESS OF APPLICANT. (Institution, firm, hospital, person, etc. Include ZIP Code.)  <b>National Lead Company 1050 State Street Perth Amboy, New Jersey 08862</b>	(b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. (If different from 1 (a). Include ZIP Code.)  
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2. DEPARTMENT TO USE BYPRODUCT MATERIAL  <b>Nuclear Shielding</b>	3. PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license, please indicate and give number.)  <b>29-6033-1 - Renewal</b>
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4. INDIVIDUAL USER(S). (Name and title of individual(s) who will use or directly supervise use of byproduct material. Give training and experience in Items 8 and 9.)  <b>James J. Cullen, Technical Supt. George L. Stukenbroeker, Resident Scientist John M. Nees, Chemist Leo George, Foreman</b>	5. RADIATION PROTECTION OFFICER (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in Items 8 and 9.)  <b>James J. Cullen</b>
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6. (a) BYPRODUCT MATERIAL. (Elements and mass number of each.)  <b>Cobalt 60</b>	(b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)  <b>42 Curies, 22 Curies, 1 Curie, 1 Millicurie Technical Operations - Source Model No. A-453-1 50 Curies Maximum</b>
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