

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

THIS COPY IS FOR YOUR FILES

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	Jones & Laughlin Steel Corporation Tin Plate Department	3. License number 34-2567-1
2. Address	Aliquippa Works Aliquippa, Pennsylvania	4. Expiration date May 31, 1959
		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
Strontium 90	Nuclear of Chicago Sealed Sources	7 sources of 10 millicuries each - Total 70 millicuries

9. Authorized use
Sources to be used in Pratt & Whitney Company, Model F, Beta Gauges for measuring the thickness of steel.

*Supervised
by 3 7-25 617*


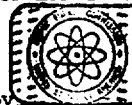
CONDITIONS

- 10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
- 11. Byproduct material to be used by, or under the supervision of, A. G. Shumaker.
- 12. Except as hereinafter provided the licensee shall comply with provisions of the Atomic Energy Commission's Standards for Protection Against Radiation (10-CFR-20) as published in the Federal Register, January 29, 1957; and the Amendment to said Standards as published in the Federal Register, May 14, 1957.
- 13. Sealed sources licensed above shall not be opened or removed from the device by licensee.
- 14. Leak testing of sealed sources containing beta and/or gamma-emitting byproduct material (except those containing Iridium 192, Tantalum 182, Gold 198, and plated Cobalt 60 in solid metallic form) shall be carried out at intervals of not more than six months and records of leak test results shall be furnished the Atomic Energy Commission upon request.

(see page 2)

Date May 21, 1957

For the U. S. Atomic Energy Commission

by  

Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

Supplementary Sheet

THIS COPY IS FOR YOUR FILES

License Number 34-2567-1

(continued)

CONDITIONS

15. Installation of gauges, initial radiation survey, maintenance, repair, leak testing of sources, and disposal shall be performed by General Electric Company.

For the U. S. Atomic Energy Commission

Date May 21, 1957

A rectangular stamp containing a circular logo on the left and a handwritten signature, "Paul C. Heberold", on the right. The logo features a stylized atomic symbol with three orbiting electrons.

Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

GENERAL ELECTRIC
COMPANY

X-RAY DEPARTMENT

4855 ELECTRIC AVENUE, MILWAUKEE 1, WISCONSIN. TELEPHONE EVERGREEN 3-3211

ASD 7/17/60

July 14, 1960

Mr. A. G. Schumaker
Jones and Laughlin Steel Corporation
Aliquippa, Pennsylvania

General Electric Co., Beta Ray Gage
Source Examination Report

Dear Sir:

An examination of General Electric Company
Beta Ray Gage Source(s) SR-E48-10,
SR-E54-10, and SR-E55-10
which were in your possession from
11-23-59 to 7-8-60
shows no evidence of contamination.

Very truly yours,



R.N. McDonald
PRODUCT SERVICE, Ind.

RNM/jg

EXH- "C"

C/16

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Jones and Laughlin Steel Corporation
Aliquippa,
Pennsylvania

Attn: Mr. A. G. Schumaker

Dear Sir:

This is in reference to the beta ray source replacement program.

On 12-2-60 we shipped to you replacement Beta Ray Gage

source(s) no. SR-A20-10

SR-A29-10

SR-830-10

SR-A35-10

to replace source(s) no. SR-879-10

SR-A23-10

Please return these sources

SR-870-10

SR-E25-10

So far, we have not received shipment of these sources from you. In accordance with the source replacement program, the replacement sources should immediately be installed in the gage and the replaced source(s) shipped to the address below. The A. E. C. requires periodic inspection of these sources.

Please return the above mentioned sources to us at your earliest convenience. If you are unable to make shipment, please advise us accordingly.

Very truly yours,

GENERAL ELECTRIC COMPANY

A. J. Regier
A. J. Regier

General Electric Company
Beta Ray Sources
333 East Howard Avenue
Des Plaines, Illinois

Shipped 4/5/61

EXH.

"D"

Date July 10, 1963

Jones and Laughlin Corporation
Aliquippa, Pennsylvania

Attn: Mr. A. G. Schumaker

We are shipping you the following replacement beta ray sources and carrying cases today by Railway Express.

SOURCE NO.: _____

Sr-895-10

Sr-A21-10

Sr-A23-10

Sr-A88-10

CASE NO.: _____

A36A150

A36A16

A36A177

A36A125

Kindly return the following beta sources to us at the address given below.

SOURCE NO.: _____

Sr-E37-10

Sr-887-10

Sr-A22-10

Sr-806-10

SHIP TO: _____

R. A. Brown
General Electric Company,
Beta Ray Sources
333 E. Howard Avenue
Des Plaines, Illinois

The enclosed keys will open those cases being sent to you: _____

Please enclose the keys for the cases you return to us within the carrying case: _____

EXD "E"

Jones and Laughlin Steel Corp.
Aliquippa, Pennsylvania

Attn: Mr. A. G. Schumaker

Date January 5, 1962

We are shipping you the following replacement beta ray sources and carrying cases today by Railway Express.

SOURCE NO.: 860
884
899
916

CASE NO.: A36A148
A36A129
A36A26
A36A148

Kindly return the following beta sources to us at the address given below.

SOURCE NO.: 230
820
E34
843

SHIP TO:

Mr. A. J. Regier
General Electric Company,
Beta Ray Sources
333 E. Howard Avenue
Des Plaines, Illinois

The enclosed keys will open those cases being sent to you:

Please enclose the keys for the cases you return to us within the carrying case:

EXH. "F"

GENERAL ELECTRIC
COMPANY

Call 9/14/60
X-RAY DEPARTMENT

4855 ELECTRIC AVENUE, MILWAUKEE 1, WISCONSIN. TELEPHONE EVERGREEN 3-3211

September 8, 1960

Mr. A. G. Schumaker
Jones and Laughlin Steel Corporation
Alliquippa, Pennsylvania

General Electric Co., Beta Ray Gage
Source Examination Report

Dear Sir:

An examination of General Electric Company
Beta Ray Gage Source(s) SR-A24-10, SR-869-10,
SR-897-10, and SR-E29-10
which were in your possession from
12-7-59 to 8-31-60
shows no evidence of contamination.

Very truly yours,

R.N. McDonald

R.N. McDonald
PRODUCT SERVICE, Ind.

RNM/jg

EXH- "B"

Item # 17

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