

BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

37-1258-2

License Number (164)

AMENDMENT NO. 2

Jones & Laughlin Steel Corporation
Research Division
900 Agnew Road
Pittsburgh 27, Pennsylvania

Attention: Walter A. Wilson

In accordance with application dated May 13, 1960, License No. 37-1258-2 is amended as follows:

To add:

- | | | |
|---|-------------------------------------|--|
| 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 |
| K. Silver 110m,
Silver 110 | K. Any | K. 10 millicuries |

9. Authorized use

- K. To be used to determine the cause of cracks in seamless tubing.

CONDITIONS

16. Except as 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 his applications dated April 23, 1959, and May 13, 1960.
1. Byproduct material shall not be used in products distributed to the public.

revise Condition 15 to read:

- Each sealed source containing Thallium 204 or Strontium 90 shall be tested for leakage and/or contamination in accordance with the following:

- A. An appropriate test for leakage and/or contamination shall be performed on the sealed source surface, or on the accessible surfaces of the device in which such a sealed source is permanently or semipermanently mounted. The

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U. S. ATOMIC ENERGY COMMISSION
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Condition 15. A. (continued)

test shall be performed upon receipt of a source from another person, unless the licensee receives certification from the person making the transfer that the sealed source had been tested within thirty (30) days prior to transfer and found free of any removable radioactive material.

- B. Following completion of the test prescribed in A, each sealed source shall be tested for leakage and/or contamination at intervals not to exceed six (6) months.
- C. The test performed pursuant to A or B shall be sufficiently sensitive to detect 0.05 microcurie of removable beta and/or gamma emitting radioactive material. Records of leak test results shall be maintained by the licensee.
- D. If the test performed pursuant to A or B reveals removable radioactive material, the licensee shall take immediate action to prevent spread of contamination and shall notify the Isotopes Branch, Division of Licensing and Regulation, U. S. Atomic Energy Commission, Washington 25, D. C. within thirty (30) days after completion of the test.
- E. Repair of sources shall be performed by the manufacturers of the sources or by persons specifically licensed by the Commission to perform such repairs.
- F. Tests for leakage and/or contamination shall be performed by Walter A. Wilson, as described in application dated April 23, 1959, or by other persons specifically licensed by the Commission to perform such tests.

DUPLICATED
FOR DIV. OF INSP

JUN 15 1960

For the U. S. Atomic Energy Commission
Original Signed By
James R. Mason
by Chief, Isotopes Branch

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

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REB 6/15/60