

U.S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

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Supplementary Sheet

License Number 37-07653-02

Amendment No. 27

Aluminum Company of America
Alcoa Technical Center
P. O. Box 2970
Pittsburgh, Pennsylvania
15230

In accordance with letter dated November 29, 1971, License Number 37-07653-02 is amended as follows:

To add:

6. Byproduct material
(element and mass number)

M. Plutonium 238

7. Chemical and/or physical form

M. Sealed source
(Monsanto Research
Corp. custom neutron
source)

8. Maximum amount of radioactivity which
licensee may possess at any one time

N. 268 millicuries

9. Authorized use

M. To be used in a Texas Nuclear custom-designed neutron activation
analysis system.

Condition 14. A(1) is amended to read:

14. A(1) Each sealed source containing byproduct or special nuclear
material, other than Hydrogen 3, with a half-life greater than
thirty days and in any form other than gas shall be tested for
leakage and/or contamination at intervals not to exceed six
months. In the absence of a certificate from a transferor
indicating that a test has been made within six months prior
to the transfer, the sealed source shall not be put into use
until tested.

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Condition 15. is amended to read:

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 application dated March 28, 1966 and letters dated April 28, 1971 and November 29, 1971.

Condition 16. is added:

16. The special nuclear material specified in Subitem 6.M. above is licensed pursuant to 10 CFR Part 70.

Date DEC 9 1971

RLH RER 12/8/71
RL/gct

For the U. S. Atomic Energy Commission
Original Signed By
Robert E. Brinkman
Materials Branch

Division of Materials Licensing
Washington, D. C. 20545