

## MATERIALS LICENSE

Amendment No. 02

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

## Licensee

1. Vulcan Mold &amp; Iron Company

2. 2900 E. 170th Street  
Lansing, IL 60438In accordance with application dated  
April 18, 19853. License number 12-15733-02 is amended in  
its entirety to read as follows:

4. Expiration date May 31, 1990

5. Docket or  
Reference No. 030-140986. Byproduct, source, and/or  
special nuclear material

A. Cesium-137

7. Chemical and/or physical  
formA. Sealed source  
(General Radioisotope  
Products Model  
No. 4F6S)8. Maximum amount that licensee  
may possess at any one time  
under this licenseA. One source not  
to exceed 500  
millicuries

## 9. Authorized Use

A. For storage only in lead shipping container.

## CONDITIONS

10. Licensed material shall be stored only at the licensee's facilities located at  
2900 E. 170th Street, Lansing, Illinois.11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal  
Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and  
Part 20, "Standards for Protection Against Radiation."12. Licensed material shall be maintained in storage under the supervision of Michael  
Domasica.13. A. (1) Each sealed source containing licensed 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, a sealed  
source received from another person shall not be put into use until tested.(2) The periodic leak test required by this condition does not apply to sealed  
sources that are stored and not being used. The sources excepted from this  
test shall be tested for leakage prior to any use or transfer to another  
person unless they have been leak tested within six months prior to the  
date of use or transfer.8506070638 850510  
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**MATERIALS LICENSE**  
SUPPLEMENTARY SHEET

License number 12-15733-02

Docket or Reference number 030-14098

Amendment No. 02

- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U. S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. The sealed source shall not be removed from the shipping container by the licensee.
15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated April 18, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U.S. Nuclear Regulatory Commission

Original Signed

By Evelyn R. Matson

Materials Licensing Section, Region III

Date May 10, 1985

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