

**U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE**

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	Velsicol Chemical Corporation	3. License number 41-6916-2 (L64)
2. Address	1199 Warford Street Memphis 8, Tennessee	4. Expiration date December 31, 1964
		5. Reference No. 41-6916-1
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
A. Cesium 137	A. Sealed Source (U. S. Radium Corporation Model LAB-236C1-6)	A. 1 source of 50 millicuries

9. Authorized use

- A. To be used in an Ohmart Corporation Model SHRM-P source holder for measurement of chlorinated hydrocarbon density in a pipeline.**

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards For Protection Against Radiation."
12. Byproduct material shall be used by, or under the supervision of, John W. Pounders.
13. Byproduct material as sealed sources shall not be opened or removed from the Model SHRM-P source holder by the licensee.
14. Installation, relocation, maintenance, repair and initial radiation survey of the Model SHRM-P source holder containing byproduct material and leak testing, installation, replacement and disposal of the sealed source containing byproduct material and used in the Model SHRM-P source holder shall be performed only by the Ohmart Corporation, or by other persons specifically licensed by the Commission to perform such services.

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- 15. 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 application received September 2, 1960; application dated November 21, 1962; and in his letter from M. Lissauer dated October 27, 1960.
- 16. A. Each sealed source containing byproduct 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 six months prior to the transfer, the sealed source shall not be put into use until tested.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of removable contamination on the source. 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 days of the test with the Director, Division of Licensing and Regulation, U. S. Atomic Energy Commission, Washington 25, D. C., describing the equipment involved, the test results and the corrective action taken. A copy of such report shall also be sent to the Director, Region II, Division of Compliance, USAEC, 50 Seventh Street, Northeast, Atlanta 23, Georgia.

DEC 7 1962

For the U. S. Atomic Energy Commission

Original Signed by

Robert E. Brinkman

Isotopes Branch

by _____

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

E. Brinkman R. Mc Cabe

REB 12/6/62