

BYPRODUCT MATERIAL LICENSE No. 47-260-2 Amendment No. 4
(160)

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		In accordance with application received November 25, 1959	
1. Name	Union Carbide Olefins Company Special Instrumentation Division	3. License number	47-260-2 is amended in its entirety to read as follows:
2. Address	437 MacCorkle Avenue, S. W. South Charleston, West Virginia	4. Expiration date	September 30, 1960
		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.	
A. Cesium-137	A. Sealed Sources (U. S. Radium Corp. Model LAB- 236 or LAB-111C)	A. 3.6 curies (No single source shall exceed 200 millicuries)	

9. Authorized use

A. To be used in Ohmart Corporation Model SHRM, SHRH or SHRD source holders for measuring the density of chemical process streams and the liquid level of chemicals in pipes and closed vessels.

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 direct supervision of, H. T. Sessions or L. J. Rogers.
- 13. Byproduct material as sealed sources shall not be opened or removed from the Model SHRM, SHRH or SHRD source holders by the licensee.
- 14. Sealed sources containing Cesium 137 which are utilized in Ohmart Corporation Model SHRM and Model SHRH gauges shall be tested for leakage and contamination at intervals of not more than three (3) years and records of test results shall be maintained by the licensee. Leak testing shall be performed by N. H. Ketcham as specified in letter of September 5, 1958, from L. J. Rogers.

(See page 2) *gms*

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Supplementary Sheet

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CONDITIONS

- 15. Sealed sources containing Cesium-137 which are utilized in Ohmart Corporation Model SHRD gauges shall be tested for leakage and contamination at intervals of not more than six (6) months and records of test results shall be maintained by the licensee. Leak testing shall be performed by N. H. Ketcham as specified in letter of September 5, 1958, from L. J. Rogers.
- 16. Byproduct material as sealed sources shall be encapsulated prior to possession by the licensee.
- 17. 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 July 19, 1956; December 5, 1956; and application enclosed with letter from G. S. Givens, dated August 22, 1956.

DUPLICATED
FOR DIV OF INSP.

For the U. S. Atomic Energy Commission

Date December 31, 1959

1. *gms, Cooper*

REN 12/31/59

Original Signed By
James R. Mason
Chief, Isotopes Branch
Division of Licensing and Regulation
Washington 25, D. C.