

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Amendment No. 2

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 July 22, 1958	
1. Name Union Carbide Olefins Company Special Instrumentation Division		3. License number 47-260-2 is hereby 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. DUPLICATED FOR DIV. OF INSP.	
6. Byproduct material (element and mass number) A. Cesium-137 (See page 2)	7. Chemical and/or physical form A. Sealed Sources (U. S. Radium Corp. Model LAB-236) (See page 2)	8. Maximum amount of radioactivity which licensee may possess at any one time A. 24 Sources of 100 millicuries each 2400 millicuries total (See page 2)	

9. Authorized use
A. For use in Ohmart Corp. density gauges Model SHRM for the monitoring of the density of chemical process streams and the liquid level of chemicals in tanks.
 (See page 2)

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 materials shall be used by, or under the direct supervision of, L. J. Rogers.
- 13. Byproduct material as sealed sources shall be encapsulated prior to possession by the licensee.
- 14. Byproduct material as sealed sources shall not be opened.
- 15. Sealed sources containing byproduct material (except solid metal Iridium 192; Tantalum 182, Cobalt 60 plated with gold or nickel; and gases) 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.

For the U. S. Atomic Energy Commission
 Original Signed By
 James R. Mason 10-6-58
 by *JRM* Chief, Isotopes Branch
 Division of Licensing and Regulation
 Washington 25, D. C.

Date September 30, 1958

W.M. Harris

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Supplementary Sheet

License Number 47-260-2
(160)

AMENDMENT NO. 2

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|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>6. Byproduct material
(element and mass number)</p> <p>B. Cesium-137</p> | <p>7. Chemical and/or physical
form</p> <p>B. Sealed Sources (U. S.
Radium Corp. Model
LAB-236)</p> | <p>8. Maximum amount of radio-
activity which licensee may
possess at any one time</p> <p>B. 6 Sources of
200 millicuries each
1200 millicuries total</p> |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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9. Authorized use

- B. For use in Ohmart Corp. density gauges Model SHRH for the monitoring of the density of chemical process streams and the liquid level of chemicals in tanks.
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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.

Date September 30, 1958