

U. S. ATOMIC ENERGY COMMISSION BYPRODUCT MATERIAL LICENSE

License No. 24-01113-07
Page 1 of 2 Pages
Amendment No. 11

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 32, 33, 34, and 35, 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, as amended, 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. Monsanto Company Inorganic Research 2. 300 North Lindbergh Boulevard St. Louis, Missouri 63166		In accordance with application dated February 22, 1974, 3. License number 24-01113-07 is amended in its entirety to read as follows: 4. Expiration date June 30, 1977 5. Reference No.	
6. Byproduct material (element and mass number) A. Calcium 45 Phosphorus 32 B. Phosphorus 32 C. Bismuth 210	7. Chemical and/or physical form A. Any B. Any C. Sealed Source	8. Maximum amount of radioac- tivity which licensee may possess at any one time A. 30 millicuries B. 10 millicuries C. 15.2 microcuries	
9. Authorized use A. Determination of dentin abrasion. B. Laboratory studies of materials. C. Instrument calibration.			

CONDITIONS

10. Byproduct material shall be used only at 800 N. Lindbergh Boulevard, St. Louis, Missouri, and Carondelet Plant, 8201 Idaho Avenue, St. Louis, Missouri.
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. Byproduct material shall be used by, or under the supervision of, K. Y. Kim or J. J. O'Leary.
13. Byproduct material shall not be used in or on human beings or in products distributed to the public.

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Supplementary Sheet

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CONDITIONS

(Continued)

14. 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 applications dated June 7, 1961 and June 14, 1967.

For the U. S. Atomic Energy Commission

Materials Branch

Date MAR 26 1974

by _____

Directorate of Licensing
Washington, D. C. 20545

RSB/pmc/pc
JMC
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