

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICEN

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	Shell Chemical Company	3. License number
2. Address	Deer Park, Texas	42-553-5 (#66)
		4. Expiration date
		June 30, 1966
		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. Carbon 14	A. Any	A. 5 millicuries

9. Authorized use

- A. Dilution studies to measure carbon dioxide formation associated with acrolein manufacture.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. Byproduct material shall only be used at facilities of the licensee at Norco, Louisiana.
12. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."
13. Byproduct material shall be used by, or under the supervision of, L. H. Griffin.
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 letters dated April 23, 1964, and June 12, 1964, from L. H. Griffin.

For the U. S. Atomic Energy Commission

Isotopes Branch

by Division of Materials Licensing
Department of Licensing and Regulation
Washington 25, D. C.

Date

JUL 7 1964

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