

IN REPLY REFER TO  
IEB:JEB (42-143-1)

Oak Ridge, Tennessee  
March 28, 1956

Mr. Harold H. Hammen  
Research and Development Department  
American Oil Company (Texas)  
Texas City, Texas

Subject: LICENSE NO. 42-143-1

Dear Mr. Hammen:

Enclosed is License No. 42-143-1 issued against your request for Carbon 14.

You will note this license was issued for any chemical form of C 14 with a possession limit of 20 millicuries. This action was taken in order to accomodate your needs which Mr. Philip C. White, of your Company, outlined in his letter of March 19.

We trust this action is satisfactory.

Very truly yours,

for Lester R. Rogers  
Chief, Byproduct Licensing Branch  
Isotopes Extension  
Division of Civilian Application

*[Handwritten signature]*  
Enclosures:

1. Form AEC-374, No. 42-143-1
2. Form AEC-313 w/regulations

Bowyer/jd

A/B

OFFICE ▶						
SURNAME ▶		<i>jd</i>				
DATE ▶						

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.

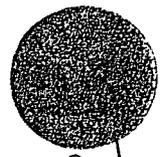
Licensee		3. License number
1. Name	American Oil Company (Texas) Research and Development Department	42-143-1
2. Address	Texas City, Texas	4. Expiration date
	Attn: Mr. Harold H. Hammen	March 31, 1958
		5. Reference No.
5. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
Carbon 14	Any	20 millicuries

9. Authorized use  
Laboratory tracer studies on engine deposit formation and organic chemical reactions. Tracer in pilot plant catalytic reforming unit.

CONDITIONS

- 1. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above; and the material is to be used by, or under the supervision of, the individual named above.
- 2. Not to be used in manner that will result in incorporation of radioactivity into products destined for commercial distribution.
- 3. Except as hereinafter provided the licensee shall comply with provisions of the Atomic Energy Commission's proposed standards for protection against radiation as published in the Federal Register, July 16, 1955 (10-CFR-20), until such time as said proposed regulations or revisions thereof become effective regulations of the Commission. Notwithstanding, Section 20.24(f) of said standards, labeling shall not be required for laboratory containers such as beakers, flasks and test tubes, used transiently in laboratory procedures during presence of the user.

*Superseded by 42-143-1 dated April 19, 1956*



*W. J. ...*

For the U. S. Atomic Energy Commission

*A/4*

te March 26, 1956

by \_\_\_\_\_

for Director, Isotopes Extension  
Division of Civilian Application  
Oak Ridge, Tennessee

*3/27/56*