

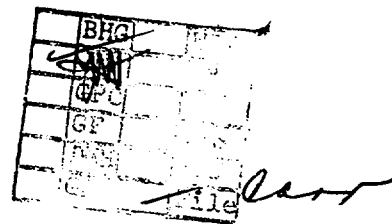
Harvey Technical Center  
400 East S. Highway Boulevard  
Harvey, Illinois 60426  
Telephone 312 468 9300  
Research & Development

2454

04

September 8, 1972

U.S. Atomic Energy Commission  
Washington, D. C. 20545



Attention: Isotopes Branch  
Division of Materials Licensing

Re: Byproduct Material License Nos. 12-00140-04 and 06

Gentlemen:

The following information is in addition to that sent to you in my letter of September 5, 1972, in which I inadvertently omitted the two tests described below:

<u>Date</u>	<u>Refinery Location</u>	<u>Material</u>	<u>Quantity H-3 Transferred, Curies</u>	<u>Maximum Conc. H-3 in Product, microcuries/ml.</u>	<u>Volume of Product, ml.</u>
4-11-72	Philadelphia	Gasoline	.300	$2.9 \times 10^{-5}$	$1.03 \times 10^{10}$

<u>Date</u>	<u>Refinery Location</u>	<u>Material</u>	<u>Quantity C-14 Transferred, Curies</u>	<u>Maximum Conc. C-14 in Product, microcuries/ml.</u>	<u>Volume of Product, ml.</u>
6-19-72	East Chicago	Gasoline	.0018	$2.0 \times 10^{-7}$	$8.7 \times 10^9$

Yours very truly,

ATLANTIC RICHFIELD COMPANY

*A. I. Snow*

A. I. Snow,  
Chairman, Radioisotope Committee

AIS:msk

SEP 18 1972

A173

Harvey Technical Center  
400 East Sibley Boulevard  
Harvey, Illinois 60426  
Telephone 312 468 3300  
Research & Development



September 5, 1972

U.S. Atomic Energy Commission  
Washington, D. C. 20545

Attention: Isotopes Branch  
Division of Materials Licensing

Gentlemen:

In accordance with the requirements of our Byproduct Material License No. 12-00140-04 and 12-00140-06, we are hereby reporting material transfers in accordance with Section 32.12, Title 10, CFR Part 32. The period covered is from January 1, 1971, to June 30, 1972. Previously we have reported on a January to December basis. Henceforth, in accordance with Federal Regulations, we will report on a July 1st to June 30th basis.

License 12-00140-04

Gasoline containing Hydrogen-3 at a concentration not to exceed  $8 \times 10^{-5}$  microcuries per milliliter in accordance with Section 16 of this license.

Date	Refinery Location	Material	Quantity H-3 Transferred, Curies	Maximum Conc. H-3 in Product, microcuries/ml.	Volume of Product, ml.
4-6-71	East Chicago	Gasoline	0.050	$1.1 \times 10^{-5}$	$4.6 \times 10^8$
6-18-71	"	"	0.150	$4.8 \times 10^{-5}$	$3.2 \times 10^9$
8-15-71	"	"	0.190	$6 \times 10^{-5}$	$3.2 \times 10^9$

✓ License 12-00140-04

Gasoline containing carbon-14 at a concentration not to exceed  $3.3 \times 10^7$  microcuries per milliliter in accordance with Section 15 of this license.

Date	Refinery Location	Material	Quantity C-14 Transferred, Curies	Maximum Conc. C-14 in Product, microcuries/ml.	Volume of Product, ml.
7-20-71	Philadelphia	Gasoline	0.001	$2.24 \times 10^{-7}$	$4.46 \times 10^9$

Yours very truly,

*A. I. Snow*  
A. I. Snow,  
Chairman, Radioisotope Committee

AIS:msk

SEP 18 1972