



September 5, 1972

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

**COPIES SENT TO COMPLIANCE**

AIS:msk

A172