



July 15, 1974

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, we are hereby reporting material transfer in accordance with Section 32-12, Title 10, CFR Part 32. The period covered is July 1, 1973 to June 30, 1974.

Gasoline containing Hydrogen -3 in accordance with conditions of this license.

Date	11-2-73	3-14-74
Location	E. Chicago, Ind.	E. Chicago, Ind.
Material	Gasoline	Gasoline
Isotope	Hydrogen -3	Hydrogen -3
Quantity transferred, curies	.0021	.015
Maximum Permitted by License, $\mu\text{c/ml}$	$8 \times 10^{-5}$	$8 \times 10^{-5}$
Maximum Concentration in Product, $\mu\text{c/ml}$	$2.6 \times 10^{-7}$	$1.9 \times 10^{-6}$
Volume of product, ml	$8 \times 10^9$	$8 \times 10^9$

No material transfers occurred under our AEC license 12-00140-06.

Yours very truly,

ATLANTIC RICHFIELD COMPANY

A. I. Snow  
Chairman, Radioisotope Committee

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REGULATORY OPERATIONS**

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