



March 29, 1971

U. S. Atomic Energy Commission (2)
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 30.24(h)(2)10 CFR 30. The reporting period as required runs from January 1, 1970, to December 31, 1970. Our radioisotope uses in Agreement states are not included in this letter.

1. License 12-00140-04 Condition No. 17. Gasoline containing Hydrogen-3 at a concentration not to exceed 8×10^{-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.
2-4-70	East Chicago	Gasoline	0.145	4.4×10^{-6}	3.2×10^{10}
2-5-70	"	"	0.200	6.3×10^{-6}	3.2×10^{10}
12-22-70	"	"	1.00	3.1×10^{-5}	3.2×10^{10}

As the data above indicate, we have stayed within the concentration limits for the byproduct materials allowed by the licenses concerned.

Yours very truly,

ATLANTIC RICHFIELD COMPANY

A. I. Snow, Chairman
Radioisotope Committee

AIS:msk

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