



SINCLAIR RESEARCH, INC.
100 EAST SIBLEY BOULEVARD
HARVEY, ILLINOIS

July 15, 1963

U. S. Atomic Energy Commission
Washington 25, D. C.

Attention: Director, Division of
Licensing and Regulation

Gentlemen:

In accordance with the requirements of our Byproduct Material Licenses No. 12-140-4 (G63) Amendment No. 6 and No. 12-140-6 (D64) we are hereby reporting byproduct material transfers in accordance with Section 30.24(h)(2) 10 CFR 30. The reporting period as required runs from July 1, 1962 to June 30, 1963.

1. License 12-140-4 (G63) Amendment No. 6. Gasoline containing hydrogen-3 at a concentration not to exceed 8×10^{-5} microcuries per milliliter in accordance with section 19 of this license.

Date	Refinery Location	Material	Quantity H-3 Transferred, Curies	Max. Conc. H-3 in Product, $\mu\text{c/ml}$.	Volume of Product, ml
5-31-63	Houston, Texas	Gasoline	0.88	3×10^{-5}	2.5×10^{10}
7-5-63	East Chicago, Ind.	"	0.312	5.2×10^{-5}	6×10^9

2. License 12-140-6 (D63) Amendment No. 6. Product containing carbon 14 at a concentration not to exceed 3.3×10^{-7} microcuries per liter in accordance with section 18 of this license.

Date	Refinery Location	Material	Quantity Carbon 14 Transferred, Curies	Max. Conc. Carbon 14 in Product, $\mu\text{c/ml}$	Volume of Product, ml.
7-12-62	East Chicago, Ind.	Gasoline	0.0009	1.5×10^{-7}	6×10^9

3. License 12-140-6 (D64) Bunker C fuel containing cobalt-60 at a concentration not to exceed 7×10^{-6} microcuries per milliliter in accordance with section 14 of this license. No uses in this time period.

As can be seen from the data given above, we have stayed well within the concentration limits for the byproduct materials allowed by the licenses concerned.

Yours very truly,

SINCLAIR RESEARCH, INC.

A. I. Snow, Chairman
Radioisotope Committee

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