



SINCLAIR RESEARCH, INC.

400 EAST SIBLEY BOULEVARD
HARVEY, ILLINOIS

July 24, 1964

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 (G65) Amendments No. 7 and 9, and No. 12-140-6 (D66) we are hereby reporting material transfers in accordance with Section 30.24(h)(2) 10 CFR 30. The reporting period as required runs from July 1, 1963 to June 30, 1964. Our radioisotope uses in Agreement states are not included in this letter.

1. License 12-140-4 (G65) Amendment No. 7. Gasoline containing hydrogen-3 at a concentration not to exceed 8×10^{-5} microcuries per milliliter in accordance with section 19 of this license.

<u>Date</u>	<u>Refinery Location</u>	<u>Material</u>	<u>Quantity H-3 Transferred, Curies</u>	<u>Maximum Concentration H-3 in Product, $\mu\text{c/ml.}$</u>	<u>Volume of Product, ml.</u>
7-5-63	East Chicago, Ind.	Gasoline	0.312	5×10^{-5}	6.4×10^9
7-24-63	East Chicago, Ind.	Gasoline	0.312	5×10^{-5}	6.4×10^9
9-16-63	East Chicago, Ind.	Gasoline	0.312	5×10^{-5}	6.4×10^9

2. License No. 12-140-4 (G65) Amendment No. 9. Hydrocarbon gases containing Krypton-85 at a concentration not to exceed 3×10^{-6} microcuries per milliliter.

<u>Date</u>	<u>Refinery Location</u>	<u>Material</u>	<u>Quantity of Krypton-85 Transferred, Curies</u>	<u>Max. Conc. Krypton-85 in Product, c/ml.</u>	<u>Volume of Product ml.</u>
6-16-64	East Chicago, Ind.	Hydrocarbon Gases	0.170	3.3×10^{-7}	5.2×10^{11}

3. License 12-140-6 (D66) 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 the data above indicates, we have stayed within the concentration limits for the byproduct materials allowed by the licenses concerned.

Yours very truly,

SINCLAIR RESEARCH, INC.

A. I. Snow

A. I. Snow, Chairman
Radioisotope Committee

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