



SINCLAIR RESEARCH, INC.
100 EAST SIBLEY BOULEVARD
HARVEY, ILLINOIS 60126

July 28, 1965

12-140-4

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

Attention: Isotopes Branch
Division of Materials Licensing

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, 1964 to June 30, 1965. 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.

Date	Refinery Location	Material	Quantity H-3 Transferred, Curies	Maximum Concentration H-3 in Product, $\mu\text{c/ml.}$	Volume of Product, ml.
9-14-64	East Chicago	Gasoline	0.300	5×10^{-5}	8×10^9
11-12-64	Wood River	Gasoline	0.200	7×10^{-5}	2.9×10^9

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.

Date	Refinery Location	Material	Quantity of Krypton-85 Transferred, Curies	Maximum Concentration Krypton-85 in Product, $\mu\text{c/ml.}$	Volume of Product ml.
6-9-65	East Chicago	Gases	0.080	1.0×10^{-7}	8×10^{11}
6-30-65	East Chicago	Gases	0.050	6.2×10^{-8}	8×10^{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.

Date	Refinery Location	Material	Quantity of Cobalt-60 Transferred, curies	Max. Conc. Cobalt-60 in Product, $\mu\text{c/ml.}$	Volume of Product ml.
12-18-64	East Chicago	Asphalt	0.0015	3.7×10^{-7}	4×10^9
12-22-64	East Chicago	Asphalt	0.0015	3.7×10^{-7}	4×10^9
2-10-65	East Chicago	Asphalt	0.0015	3.7×10^{-7}	4×10^9

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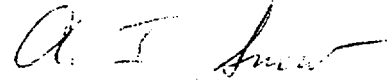
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As the data above indicate, we have stayed within the concentration limits for the byproduct materials allowed by the licenses concerned.

Yours very truly,

SINCLAIR RESEARCH, INC.



A. I. Snow, Chairman
Radioisotope Committee

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