

12-140-4
L&R:IB:WSC (44806)

JUL 25 1962

Sinclair Research, Inc.
400 East Sibley Boulevard
Harvey, Illinois

Attention: Mr. A. I. Snow, Chairman
Radioisotope Committee

Gentlemen:

This is in response to your letter dated July 13, 1962, regarding the use of Scandium 46 and Zirconium 95 - Niobium 95 to tag catalyst to be used in a catalytic cracking unit.

It does not appear that amendment of License No. 12-140-4 is necessary to authorize the proposed activities. The isotopes, quantities, and use are within the scope of Subitem B. of the license. The desired places of use are provided for by Condition No. 11 of the license. The calculated loss of catalyst fines through the stack to the environment is within the provisions of Section 20.106(b), 10 CFR 20. Authorization pursuant to Section 30.24(h), 10 CFR 30, for the transfer of exempt concentrations of byproduct material in the hydrocarbon product of the fluid cracking unit is not necessary since the radioactivity does not leave the catalyst and enter the product.

Amendment of the license would be necessary to authorize the transfer of tagged catalyst as a product containing an exempt concentration of byproduct material. If authorization for such transfer is desired, we will consider an appropriate licensing action.

Sincerely yours,

Robert E. Brinkman
Isotopes Branch
Division of Licensing
and Regulation

bcc: Compliance (Region III)

OFFICE ▶	L&R:IB	L&R:IB				
SURNAME ▶	WSC Cooliam	REB Brinkman				
DATE ▶	7/25/62	7/25/62				