

MAR 12 1964

LR:KEL  
70-58

Martin Company  
Nuclear Division  
Baltimore, Maryland 21203

Attention: Mr. C. W. Keller  
Nuclear Materials Manager  
Your reference: ACC-260

Gentlemen:

This refers to your application dated February 14, 1964, for amendment of License SMM-53 to authorize shipment of air filters containing uranium to the Davison Chemical Company. In order to continue our review of your application we require the following information:

1. Confirmation that each of the drums containing 20 small (8" x 8" x 6") filters will contain no more than a total of 800 grams of U-235. If any drum is to contain less than 20 filters, please confirm that 800 gram limit will be reduced proportionately.
2. Further description of the packaging of the filters including the gauge of the 55 gallon drums, the design of the container for the large (24" x 24" x 12") filters and the average weight of container and contents for the small, medium and large filters.
3. With reference to the containers for the medium size filters (18" x 18" x 6") please provide calculations of the  $K_{eff}$  for the filter with all voids filled with water and assuming no reflector. Submit also the proposed spacing of the eight containers demonstrating that the maximum solid angle corresponding to the  $K_{eff}$  will not be exceeded.
4. Your method of securing the drums to the floor of the vehicle to withstand a horizontal impact force of (b)(4) acting at the center of gravity of the package Ex 4 without significant reduction in spacing between the drums.

Boc. Rm.  
Suppl  
Br. & Div. rfs  
Compliance

Very truly yours,

OFFICE ▶	LR <i>L.R.K.</i>	LR <i>DN</i>	Donald A. Nussbaumer, Chief	
SURNAME ▶	Lauterbach/js	Nussbaumer	Source and Nuclear Materials Branch	
DATE ▶	3/11/64	3/12/64	Division of Licensing and Regulation	