bcc: P. Park - PPARK

Monsanto

FEB 3 1971

ORGANIC CHEMICALS DIVISION

Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166
Phone: (314) 694-1000

February 1, 1971

Dr. Warren L. Roller
Agricultural Engineering
Ohio Agricultural Research & Development
Center
Wooster, Ohio 44691

Dear Dr. Roller:

Your letter dated January 7, 1971 requesting information on Aroclors was forwarded to me for response since I am involved with the polychlorinated biphenyl environmental contamination problem.

Regarding the availability of a sealant now on the market that could totally prevent the leaching of polychlorinated biphenyls into the silage acids, I regret to inform you we have no knowledge or experience to guide us. It seems reasonable to expect that a thorough sandblasting of the surface followed by a coating of durable material such as an epoxy or ceramic should result in very good control. If any PCB remains the quantity should be extremely low and any amount eventually appearing in the milk would seem to be well within acceptable limits.

Dr. David A. Hill of the Division of Foods, Dairies and Drugs in Ohio informed me that Vernon V. Vadikin and Sons, Inc., Marietta, Ohio, offer a recoating service which carries some sort of guarantee. I have not had the opportunity to discuss their coatings with them.

I understand that Mr. George Whitesides, George W. Whitesides Company, Louisville, Kentucky, has considerable experience with silo coatings. Perhaps he can help.

The removal of polychlorinated biphenyls from the endogenous lipid pools in dairy cattle has never been a subject for study by Monsanto because it was not anticipated

to be an area for concern. We have read with interest reports of studies involving the use of activated carbon and barbiturates in the removal of DDT and its metabolites. If I recall correctly these studies were conducted in universities in Kentucky and Michigan.

I hope this information is useful to you. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Environmental Control

WBP:ms