#44

bcc: P. Benignus
G. R. Graham

October 1, 1970

Mr. F. R. Viland
Senior Buyer
Purchasing Department
Transformer Division
Westinghouse Corporation
469 Sharpsville Avenue
Sharon, Pennsylvania 16146

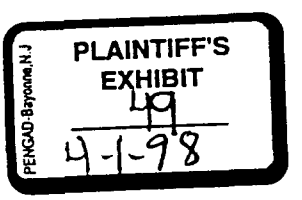
Dear Fred,

I apologize for not responding sooner but I was waiting for some laboratory data which I hoped would be helpful in resolving the solid material disposal problem with your State agency.

I telephoned Dr. Loughry on August 18 and found him to be very opinionated regarding the types of waste he would tolerate in a land fill. He insisted he had to have research data on the behavior of askarels on the various Pennsylvania soils over long periods of time. I, therefore, did not succeed in convincing him that disposal in a landfill was safe since I could only refer to generalities.

He did soften his position somewhat by stating that he understood you wished to dispose of liquid waste rather than solid waste. I assured him this was not your intent. Perhaps you can pursue this opportunity.

The laboratory information I was waiting for relates to a study made by Monsanto in the Gainesville, Florida area in 1938. Aroclor 1242 was one of several materials applied to soil in holes 15" in diameter and 16" deep. The walls were sprayed with a solution of Aroclor 1242 and the soil was replaced with each layer sprayed with additional Aroclor 1242. When the hole was completely filled, the remaining solution was poured on top. A total of 4 ounces of Aroclor was applied. We have



estimated that the Aroclor content was about 2200 ppm.

In 1969, we secured samples from the Aroclor 1242 hole at 6", 6-16" and 16-26" from the top. Aroclor was present in these quantities:

Probe Depth	ppm Aroclor 1242
6"	2820
6"-16"	510
16"-26"	26

This data would indicate that after 30 years the Aroclor has not migrated to any significant degree.

I have not shared this information with Dr. Loughry since he seemed to indicate that studies with soils from other states would not be indicative of what would happen in Pennsylvania.

It is my opinion that only a soil chemist familiar with Pennsylvania will be able to communicate with Dr. Loughry. Gary Wilburn was considering approaching a consultant at VPI. Perhaps he could help.

I am sorry I was not able to help. Apparently we do not have anyone within the Monsanto organization who can talk Dr. Loughry's language.

Very truly yours,

W. B. Papageorge
Manager
Environmental Control

WBP:ms

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