Monsanto

PCB FDA

FROM (NAME & LOCATION): W. H. Hunt - A2SA

DATE: October 21, 1971

cc W. H. Hunt

SUBJECT: Aroclors

REFERENCE:

TO : E. P. Wheeler

On October 18, 1971 I visited Dr. Verrette, F.D.A. and delivered four new samples of Aroclors 1221, 1242, 1254 and 1260.

Dr. Verrette informed me that from the previous samples, she was seeing edema and some beak and eye effects in the chicks but she is not as yet in a position to say that these effects are significant.

She asked me if there was more than one grade of material. I told her that I wasn't in a position to answer this but I was under the impression that there was only one grade.

She told me that the effects on the legs of the chicks were very similar to that produced by dioxin, namely, slipped tendons and short legs. This was seen across the board for the Aroclors. She is going to look grossly at the livers of the birds that they are saving as well as the newly hatched birds. There is hydropericardia in the embryos.

Her plan is to get terata and toxicity data first and is going to zero in on 1221, 1242, 1254 and 1260. She is doing both yolk and air cell injections, both pre-incubation and 96 hours. She is using acetone as the solvent because it is relatively non-toxic and non-teratogenic. The doses of the Aroclors range from 0.1 ppm (0.005 mg/egg) to 10 ppm (0.5 mg/egg).

William H. Hunt, Ph.D.
Toxicologist

WHH/et

IN 10 REV 11 68