H.A. VODDEN - RUABON.

R.A. Baxter, Ruabon.
W.R. Richard, St. Louis.

16th June, 1971.

Pond Experiment.

HAV/bjo'g.

W.B. PEDEGEORGE - ST. LOUIS.

(Ca)

TO Ralph Marsh
Scott Tucker
R Keller

T3A

In our recent discussion with the National Swedish Environment Protection Board, it was suggested that a demonstration of acceptability for PCB products might be possible in some form of pond experiment.

We have given a little thought to this and it seems to us that such an experiment could form a basis for demonstrating environmental acceptance. Presumably a pond containing numerous forms of life, ranging from micro-organisms to sizeable fish, constitutes a miniature eco-system which will degrade and partition chemicals in a way similar to a much broader natural environment. Analysis of fish from such a pond, treated with chemicals being tested, should indicate the nature and extent of any accumulation.

In the case of Aroclor, for example, it could be mixed with sand in the pond and the limited solubility would control the rate of uptake. For water-soluble chemicals, some form of controlled addition would be necessary to simulate actual conditions.

I suggest that we should investigate the possibility of some experiments of this type with various Aroclor products, including A1016, and perhaps initiate some discussions with environmental authorities in the UK and North America, as well as in Sweden.

What do you think?

Regards,

Try 1016
1043

H.A. VODDEN.

MONS 098673