Monsanto

FROM (NAME & LOCATION): W. B. Papageorge - B2SK

DATE: November 6, 1975

SUBJECT: PCBs - HOUSTON RESEARCH, INC.

REFERENCE:

cc: ~~C. Patton~~/D. Wood
R. A. Pohl
R. G. Potter
J. C. Weber

TO: Dr. W. C. Hammann - B3SA

PCB

Attached is a proposal from Houston Research, Inc. that Monsanto support the development of a process for the destruction of polychlorinated ~~biphenyls (PCBs)~~ in dilute water solutions using ozone with ultraviolet light.

I understand from personal discussions with EPA representatives that this approach has been reviewed by the EPA and it was concluded that it was impractical. I cannot determine what the criteria for practicality are.

I also note the reference to 500 ppb of PCB in water. This concentration is about 10 times the solubility of PCBs in water and would reflect the presence of sediment, emulsion or a two-phase system. The EPA is currently considering the establishment of an effluent standard of one part per trillion. If this standard is promulgated, the attainment of concentrations in the part per billion range would not be adequate.

I suggest someone review this proposal and respond to Mr. Legan.

W. B. Papageorge

/pd