

BCC: D. E. ROUSH

August 17, 1970

Mr. J. M. O'Leary
Technical Superintendent
Industrial Chemicals Division
Hooker Chemical Company
Niagara Falls, New York 14302

Dear Mr. O'Leary:

Monsanto's Don Roush informed me of your interest in receiving more information regarding polychlorinated biphenyls.

I am enclosing summaries of Monsanto's position concerning the selective markets we will supply and the status of biodegradability and chronic toxicity studies.

I have also included copies of our analytical methodology for the detection of PCB's in water, sediment, biological specimens and gases. We would appreciate any comments your laboratory may have to offer concerning these procedures.

Disposal of scrap PCB by burning can be achieved if the temperature is maintained above 800°C. Attempts to dispose at lower temperatures will result in vaporization or worse if partial oxidation to highly toxic furans or dioxins results. Stack gases from complete destruction must be scrubbed and neutralized to properly dispose of the resulting HCl gas which is formed.

We have been working with the John Zinc Company, Tulsa, Oklahoma, on the design of an incineration-scrubbing unit for installation in one of our plants within the next six months.

DSW 020415

STLCOPCB4008344

You may be interested in the disposal service offered by Rollins-Purle, Inc., Wilmington, Delaware, James J. McLaughlin, Director of Marketing, 302-478-5150. They have an operating unit at Gloucester, New Jersey capable of incinerating chlorinated hydrocarbons.

I hope you find this information helpful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Environmental Control

ms

Enclosures

Sent the following:

PCB's - Control of Escape to the Environment
PCB's - Biodegradation Studies
Summary - Interim Status Chronic Toxicity w/Aroclors
Analysis of Water & Sediment for PCB
Analysis of Biological Materials for PCB
A tentative procedure for the determination of airborne PCB
Identification of PCB by gas chromatography/mass spectrometry

DSW 020416