ENVIRONMENTAL SCIENCE AND TECHNOLOGY

6/6/83

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Recommendation

Accept _____
Minor revision required _____
Major revision required _____
Reject _____
Publish elsewhere _____
If so, where? _____

Summary Rating

	EXCEL.	GOOD	FAIR	POOR
Originality		x		
Technical quality		x		
Clarity of presentation		x		
Importance to field		x		

Manuscript No. → Feature No. 264 ← Reviewer No.

Corresponding Author → Richard F. Addison

Abbreviated Title → Replacements for PCB in Dielectric Fluids: An Initial Environmental Assessment

COMMENTS: (use additional pages if needed)

This paper should receive a lot of interest.

It summarizes a lot of preliminary data in one place and does attempt to put the issue of environmental health and safety aspects of PCB dielectric replacements in perspective.

However, it would be clearer and of greater benefit to the reader if it made comparisons of PCB known data on the same tables as the replacement fluids.

Also, the general conclusions stated at the end of the paper, e.g., beginning last paragraph, Page 18 and Page 19, should be reflected in the abstract. The abstract is an over simplification of conclusions that "most of the replacements will be less persistent and hazardous than PCBs themselves." This is certainly not reflected in data tables III through VII.

The author's concluding paragraph follows the stated goals of ES&T feature articles and points out that much research is needed on these new replacement fluids so that assessment can be based upon "hard facts."

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ACS FORM 645 (1M 7/82)

REVIEWER'S COPY

TOWOLDMON0059823

Monsanto

FROM
(NAME—LOCATION—PHONE) J. H. Craddock - G4NH (4-4764)

DATE : May 5, 1983 CC.

SUBJECT : Weekly Highlights - PCBs

REFERENCE :

TO : W. B. Papageorge

The Chicago office of the Wall Street Journal is putting together a story on studies conducted by IBT for Monsanto with a particular emphasis on PCBs. The reporter is digging into old memos in FDA files and other sources. Apparently, the reporter is fishing for any kind of information of a sensational nature. He is not knowledgeable about all the PCB animal testing issues, i.e., unaware of the National Cancer Institute carcinogen study of 1977 or the recent two industry literature reviews for EPA, etc. We are attempting to provide him with factual information in the public domain to help set the record straight. Hopefully, we made significant progress.

Don Cayard and I visited the Anniston Plant to review the Choccolocca Creek program. We have made arrangements for Paul Michael and Tom Hoogheem to provide technical expertise and assistance to the plant. The Anniston Plant will assist Alabama officials in developing a sampling protocol and obtaining good analyses for use in their Environmental Impact Statement relating to disposal of dredge spoils from flood water and soil conservation programs on Choccolocca Creek.

J. H. Craddock

/dg

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IN - 10 (REV. 8/77)

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