

Monsanto

FROM (NAME & LOCATION) J. T. Garrett - General Offices

TE August 5, 1968
SUBJECT Aroclor Analysis

cc P. B. Hodges

REFERENCE

TO : Dr. Scott Tucker
Queeny Plant
Organic Division

As soon as you are ready for the water samples for Aroclor analysis please inform me and I will have Mr. Hodges of the Organic Division obtain the samples above and below the Associated Illinois Waste Treatment Plant. At the same time we can obtain samples at the Anniston Plant probably below the lime neutralization pits and the plant property line. The results of these analyses will dictate where future samples should be taken.

As I told you on the phone today I would secure a copy of the Water Pollution Control Administration publication WP 22. You have the address where this publication can be obtained free of charge.

Again, please inform me when you are ready for these samples.

Jack T. Garrett
Jack T. Garrett

JTG:cjs

WM 012977

IN-10 REV. 11-69

**DEFENDANT'S
EXHIBIT**

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GPFOX00037046

-15-

Project:

Electrical Fluids - Part VI - Air and Water Pollution
Control

Objectives:

1. Follow developments in analytical chemistry leading to more sensitive and specific methods for identifying Aroclors in our environment.
2. Keep in touch with laboratories doing research on environmental contamination by Aroclors including Universities, FDA, USDA, Fish and Wildlife Service.
3. Study present methods for disposal of Aroclors and if necessary develop safer ones.
4. Assess possible toxic effects on humans.

Justification:

During studies of the fate of chlorinated organic insecticides, biochemists have isolated unknown chlorinated hydrocarbons which they have tentatively identified as chlorinated biphenyls. These have been shown to be present in some fish, birds, and wild animals from certain areas at concentrations in the parts per million range. Public health authorities have therefore felt that it was necessary to determine whether or not environmental contamination by chlorinated biphenyls is a hazard to human life or health. It is vital that we cooperate in these studies so that we can be sure that the results are valid and so that we can assess the impact of the findings on the Aroclor business. We may need to cooperate in developing disposal procedures which will not result in harmful contamination in order to avoid restrictive legislation.

Status:

At present, we are collecting all available information on this problem. The Medical Department is following the toxicology and will start a test program at Calandra Labs to determine biological effects of trace Aroclor. Research will evaluate the validity of the published analytical identification. Samples of Aroclors, and in some

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Revised as
 Proj - PCB Contaminants
 - May lead to restrictive Fed's/State regulations on use
 -16- State regulations on use

FLU-030
 Part VI
 (7/68)

Status: -(Continued)

cases of pure chlorinated biphenyl isomers are being made available to government and university laboratories working on this problem for use as calibration standards.

Plans:

Responsibilities	Job	Target Date
REK/ST	Assess validity of analytical methods used by workers in this field.	3/69
WRR/EW/ST	Collect information on all work being done by others in this field.	Continuing
PB/JB/PH	Determine present disposal methods for Aroclors.	3/69
REK/ST Elmer Wheeler	Toxicology Review with government agencies, Research Institutes. Start outside test program.	8/15/68

Manpower Assignments:

R. E. Keller/Scott Tucker
 W. R. Richard
 Elmer Wheeler/P. Hodges
 P. Benignus/J. Bryant

Total Man-Years 1968
 T. NT.
 1.1
 .1
 .3

Estimated 1968 Costs:

\$25,000 (Calandra Labs for '68)
 \$25,000 (Metabolic Study)

Job No. Applicable

1630328

Sponsors: E. Wheeler/Scott Tucker July 18, 1968
 P. Benignus/R. H. Munch

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