January 25, 1973

Dr. Peter Schoor
Environmental Protection Agency
Gulf Breeze Research Laboratory
Gulf Breeze, Florida 32561

Dear Dr. Schoor:

Enclosed is the sample request form that I offered to send you the other day. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

EXHIBIT
WBP M-82

DSW 010373

TOWOLDMON0003841
WATER_PCB-00000863

February 15, 1973

Dr. Peter Schoor
Environmental Protection Agency
Gulf Breeze Research Laboratory
Gulf Breeze, Florida 32561

Dear Dr. Schoor:

I have received your request for a one pound sample of Aroclor 1254 and a two pound sample of Aroclor 1016 and am forwarding these samples to you under separate cover.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1254
A-1016 } 5/72 1568

DSW 010374

EXHIBIT
WBP M-82.1

March 12, 1973

Dr. Ralph E. Linder
Bio-Effects Branch
United States Environmental
Protection Agency
4770 Buford Highway
Chamblee, Georgia 30341

Dear Dr. Linder:

I have received your letter of March 7 requesting a two pound sample of Aroclor 1016 and am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have this sample forwarded to you. There is no charge for samples.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

EXHIBIT
WBP M-82.2

DSW 010379

TOWOLDMON0003843
WATER_PCB-00000865

March 12, 1973

Dr. Patrick R. Parrish
United States Environmental
Protection Agency
Gulf Breeze Environmental
Research Laboratory
Gulf Breeze, Florida 32561

Dear Dr. Parrish:

Aroclor 1016 is a mixture of polychlorinated biphenyls which was commercially available during the summer of 1971 and became the preferred dielectric fluid for use in capacitors. Since September 1971 Monsanto terminated the sale of Aroclor 1242 for this application and would supply only Aroclor 1016.

Aroclor 1016 is similar to Aroclor 1242 except that the isomers containing five or more chlorine atoms per biphenyl group have been reduced considerably.

Sales of Aroclor 1016 have been made only to capacitor manufacturers. In 1971 3,334,000 pounds were sold domestically. In 1972 20,902,000 pounds were sold.

I have enclosed copies of literature which further describe Aroclor 1016. I hope you find it useful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

A-1016 Specification.
A-1016 Typical Properties.

DSM 010378

EXHIBIT
WBP M-82.3

March 20, 1973

Dr. Ralph E. Linder
Bio-Effects Branch
United States Environmental
Protection Agency
4770 Buford Highway
Chamblee, Georgia 30341

Dear Dr. Linder:

I have received your request for a two pound sample of Aroclor 1016 and am forwarding this sample to you under separate cover.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1016 S/N 1583

DSW 010380

EXHIBIT
WBP M-82.4

173

TOWOLDMON0003845
WATER_PCB-00000867

April 2, 1973

Dr. John L. Buckley
Deputy Director
Office of Research
United States Environmental
Protection Agency
Washington, D.C. 20460

Dear John:

I suspect that the information relating to the incineration of PCBs which appeared in the Interdepartmental Task Force Report originated with me or someone else within Monsanto. All of the information we have relates to the destruction of the liquid PCB mixtures. The pilot tests were conducted for Monsanto by the John Zink Company, P. O. Box 7388, Tulsa, Oklahoma 74105, telephone 918-747-1371. We encourage anyone interested in the studies to contact Mr. Gene McGill of John Zink Company directly. Our personal experience with the commercial unit we have installed as designed by the John Zink Company has demonstrated to our satisfaction that destruction is taking place.

We do not have any studies involving the incineration of the solid PCB mixtures such as Aroclor 1268 to which Mr. Peters refers in his letter. It appears to me that if partial destruction has been achieved by the Japanese and Europeans at temperatures up to 1600°C, that with some modification of the conditions under which combustion is occurring, total destruction could conceivably be achieved.

I hope that my comments above along with any information that Mr. Peters can receive from Mr. McGill proves useful.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 010383

EXHIBIT
WBP M-82.5

/

June 22, 1973

Dr. Virlyn W. Burse
Bioeffects Branch
United States Environmental
Protection Agency
4770 Buford Highway
Chamblee, Georgia 30341

Dear Dr. Burse:

Enclosed is a comparison of the specifications for Aroclor 1016 and Aroclor 1242 which you requested in your letter dated June 18.

I have also enclosed a copy of the article in the ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY in which you will find a description of the manufacturing processes which starts on page 292. Distillation of the crude product can be found on page 293. The pressures and temperatures required during distillation vary with the type of Aroclor being produced. Pressure is about 50 mm Hg. Temperatures range from 150°C to 300°C.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Aroclor 1016/1242 Comparison

Enclosures

E

DSW 010388

EXHIBIT
WBP M-82.6

5

TOWOLDMON0003847
WATER_PCB-00000869

September 5, 1973

Mr. Charles G. Castle
U.S. EPA - Region 5
EES, 1 North Wacker Drive
Chicago, Illinois 60606

Dear Mr. Castle:

Enclosed are copies of the PCB literature you requested.

I hope you find it informative and useful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Encloaures

X, AA, CC, M, T, W, BB

EXHIBIT
WBP M-82.7

DSW 010733

C.11

TOWOLDMON0003848
WATER_PCB-00000870

December 18, 1973

Mr. J. F. Thompson
Quality Assurance Section
Chemistry Branch
Pesticide & Toxic Substances
Effects Laboratory
United States Environmental
Protection Agency
Research Triangle Park, N.C. 27711

Dear Mr. Thompson:

Your letter of December 7 addressed to Monsanto's Dr. C. H. Russell has been forwarded to me for response relating to your request for Aroclor® samples. The only Aroclor® products currently manufactured by Monsanto, and for which we can supply samples, are Aroclor® 1016, Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254. Monsanto has discontinued the manufacture of all the other Aroclors® requested and the supplies of samples of these products has been depleted.

I have enclosed a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will arrange to have the requested samples forwarded to you.

In response to your request for information relating to the purity of these samples, I have enclosed a copy of the "Typical % Composition of Polychlorinated Biphenyl Products."

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

DSW 011345

WBP/bt
Enc.-2

EXHIBIT
WBP M-82.8

147

TOWOLDMON0003849
WATER_PCB-00000871