BCC: G. R. GRAHAM - NEW YORK

August 18, 1970

Mr. H. A. Davis
Engineering Services
Brown Street Plant
Sprague Electric Company
North Adams, Massachusetts 01247

Dear Howard:

I will attempt to clarify some of the questions you ask in your letter dated August 6th.

1. Rat reproduction studies - The second generation did produce the one litter of a third generation, however, additional litters have not been produced. The rats were fed Aroclor 1242, Aroclor 1254 and Aroclor 1260 at levels of 1, 10 and 100 parts per million in the diet.

2. We do not have any bulletins or brochures describing sampling techniques for water or earth, because we recognize that conditions will vary greatly. We can only recommend that samples be representative of the conditions being studied with due consideration given to the low solubility of PCB's, their high density and their tendency to cling to solid surfaces.

3. We have never attempted to undertake the costly program of identifying and quantifying each of the isomers present in Aroclor 1242. We suspect there are at least fifty present. Some preliminary work indicates that the homologs are present in these approximate percentages:



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Monochloro	1%
Dichloro	19%
Trichloro	50%
Tetrachloro	24%
Pentachloro and higher	7%

Test quantities of MCS-1016 have been prepared. If you have not received your requested sample by now, you will certainly receive it very soon.

I hope the above information is helpful to you.

Sincerely,

W. B. Papageorge
Manager
Environmental Control

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cc: Mr. A. G. Vail
Sprague Electric Company

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