cc: Dr. Richard Osland

May 10, 1972

Dr. J. Clarence Davies, III
Senior Staff Member
Council for Environmental Quality
722 Jackson Place, N. W.
Washington, D. C. 20006

Dear Dr. Davies:

During the last two months our medical staff completed examinations on 27 hourly and salaried workers who were engaged in the manufacture of polychlorinated biphenyl in our Sauget, Illinois Plant.

These 27 workers had various lengths of service in the department. The shortest was six months and the longest was 12 years. The average time in the department was slightly over five years.

Of these 27 individuals 16 had no detectable PCB's in the blood (using a method sensitive to 0.1 ppm) five had 0.1 ppm, two had 0.2 ppm, two had 0.3 ppm, one had 0.4 ppm, and one had 0.5 ppm.

Clinical examinations were entirely negative. Laboratory examinations including blood counts and hematocrit, and clinical chemistries including glucose, urea nitrogen, creatinine, uric acid, calcium phosphorus, SGOT, SGPT, LDH, alkaline phosphatase, bilirubin, cholesterol and total protein, showed no pattern of illness. There were some random high cholesterols, one high hemoglobin and one low hemoglobin. In only one case was the SGOT and SGPT elevated but this individual showed no detectable PCB in his blood.

In summary, I can say that these workers were as healthy as any cross section of our plant workers of the same age.

Sincerely,

R. Emmet Kelly, M. D.
Medical Director

REK/ln

EXHIBIT
K-6

GBRN001998

Monsanto INDUSTRIAL CHEMICALS CO.

FROM (NAME & LOCATION): E. S. Tucker - S. Second Street - 1760

DATE: April 5, 1972

SUBJECT: APR 10 1972

REFERENCE:

cc: R. E. Keller - T1B
W. B. Papageorge - B2NK

TO : Dr. R. Emmet Kelly
A2SA

The analyses of all blood samples from Department 246 personnel for PCBs have been completed. The results are shown in the following table.

Sample Designation	PPB PCBs*
1	ND
3	ND
4	ND
10	ND
2	ND
3	ND
3	ND
	ND
6	ND
1	ND
5	ND
2	0.3
7 yrs	ND
1	ND
12	ND
8	ND
11	0.1
1	ND
8	0.2
2	0.1
10	0.4
6	0.3
3	0.1
10	0.5
2	0.1
	0.1
	0.2

*PCBs calculated as Aroclor 1242
ND - None Detected <0.1 ppb

Recovery studies conducted with blood samples spiked with Aroclor 1242 and Aroclor 1254 in the 1-5 ppm range yielded the following results, 94.1 ± 7.2% and 103.2 ± 5.5%, respectively.

No significant levels of Aroclor 1254 were found in any of the samples although all contained measurable levels of DDE, a DDT metabolite. The DDE levels found ranged from 3-42 ppb.

E. S. Tucker

dh

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