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