W. G. KRUMMRICH DISCHARGE PCB STATUS

A. LOSS

1. Our current measurable losses from the plant to the environment are approximately one to two pounds per day. This equates to approximately 1 to 2 parts per trillion PCB's in the Mississippi River at average flow rates. Level of PCB's into the ambient atmosphere are less than Threshold Limit Values ("TLV refers to airborne concentrations of substances and represents conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effects") using sampling and analytical techniques currently available. Presently we are manufacturing at a rate of 70,000 to 100,000 pounds per day PCB's.

2. The EPA presently has no formal PCB discharge limits although it has proposals under consideration which call for ambient water concentrations (i.e., if you sampled a natural body of water at random) at levels not to exceed 1 part per trillion.

B. PREVENTATIVE MEASURES

1. In our manufacturing area, we have acted to prevent loss of PCB's in the environment by literally making the department a "concrete bathtub". Drainage is collected in an isolated PCB sewer system with settling basins to insure PCB containment in case of accidental spill or equipment failure with the capability of monitoring the effluent from the department.

2. Storage tanks are blanketed with nitrogen to eliminate tanks "breathing", and mist eliminators have been installed in vapor lines to eliminate the possibility of PCB's leaving the manufacturing area.

3. An incinerator was installed to safely dispose of PCB's.

4. The key to our continued success in controlling PCB's is in our maintaining a high housekeeping level.

5. A Monsanto chemical waste treatment plant is under construction to be completed fourth quarter 1976 which should further lower the PCB's to the environment by adsorption.

6. Completion of a planned community regional waste treatment plant designed to service larger east side area including communities and industries should reduce PCB's to the environment to potentially a negligible value. Estimated completion of the project is 1982-1983.

RAP
1/5/76