COMPANY CONFIDENTIAL

Monsanto

FROM (NAME & LOCATION) C.F. Buckley - W.G. Krummrich Plant

DATE October 16, 1973

SUBJECT PCB Discharges

REFERENCE

TO : A.E. Leisy

cc J.R. Savage - B2SL
H.S. Bergen - B2SL
W.B. Papageorge - B1ND
W.R. Richard - T3A
P.B. Hodges - E1SF
M.R. Foresman
B.L. Caraway
G.L. Bratsch
G.A. Hippe
D.C. Otto
P.E. Heisler
W.C. Engman
V. Brawley
J.A. Munoz

This is in reference to Paul Hodges' memo of 9/24/73, Paul Heisler's memo of 10/8/73, Jim Savage's memo of 10/11/73 and the monthly PCB control report. We will step up the PCB sampling program with the objective of determining what is required to reduce the PCB losses entering the Sauget WTP to less than 0.2 pounds per day.

The plan is:

1. Determine the amount leaving the WGK Plant in the 24" and 30" sewers.

2. Cross check the individual source losses by means of samples taken further downstream.

3. Balance these quantities with each other and the amounts entering the WTP.

4. Make changes as needed in sample points and/or sample frequency to account for the imbalance.

Details:

A. 3 more samplers will be installed at points 2A, 1B, and 2B.

B. All samplers will be the "Flip-Flop" type which sample intermittently at a velocity which is isokinetic with the flow in the sewer. These have been found by earlier studies to obtain samples most nearly representative of the stream. However, it is recognized that phase separation and surface phenomena affect the sample and further improvement in sampling methods may be needed.

C. The three additional samples will be composited over the same time period as the four samples presently collected, that is the samples will represent the periods, of Oct. 16 thru 17, 18 thru 21, 22 thru 24, 25 thru 28, etc.

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D. Grab samples will be taken from the North Sewer which should now be free of PCB.

E. Findings thru Oct. 28 will be reviewed by Buckley, Munoz, Heisler, Engman and Leisy prior to issuing the monthly report on 11/2/73. Further action will be outlined in this report.

Reasons for the initial placement of 3 additional samplers:

a. The sample taken at point 2A will represent the area surrounding the manufacturing departments before any other known source enters the sewer. The amount found should therefore equal that obtained at the department.

b. The amount found at 2B will crosscheck the losses from the incinerator.

c. The amount found at 1B will include the amount passing 2B plus anything coming from the repair track.

Any discrepancies in these results will indicate the next place to look.

C.F. Buckley

dm

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