Monsanto

FROM (NAME & LOCATION) J. R. Savage - General Office

DATE March 3, 1971

SUBJECT FEBRUARY 1 PCB REPORT

REFERENCE

cc: Mr. H. S. Bergen
Mr. P. B. Hodges

TO : Mr. W. B. Papageorge
General Office

A. W. G. Krummrich Plant

PCB Levels In Sewer

A. Aroclor losses from the Aroclor Department trench averaged 0.04 lbs/day raning from 0.01 to 0.17 lbs/day. No samples were obtained from the blow tank drowning jet but this loss has previously been measured at 0.5 lbs/day average. Data covers the period from 1/17 to 2/4.

Losses from the treatment plant for the same period averaged 55 lbs/day. Range for 6 samples was 19 to 161 lbs/day.

Data from 2/4 to 2/16 is not available at this time due to column contamination of the laboratory GLC.

B. Data for the month of January from the main plant sewers give an average total loss of 47 lbs/day. Average loss measured at the waste treatment plant influent is 84 lbs/day.

1. One sample taken from the Village sewer (Rogers Terminal) analyzed 0.033% PCB's which is equivalent to about 500 lbs/day. Apparently Rogers had dumped a wash the day this sample was taken (1/26/71.) This probably explains the difference between the plant loss and the treatment plant influent.

Sediment samples from 4 of the plant sewers were high in PCB's ranging from 0.05 to 0.31%.

Projects To Reduce Sewered PCB's From Aroclor Department

Two projects remain to be completed. Estimate 2422 to pave and trench loading and storage areas, and Estimate 2811 to pave and curb under the Therminol unit design packages are out. Projects are scheduled for completion by 6/1.

MONS 098340

IN-10 REV 11-65

A. W. G. Krummrich Plant

Program To Eliminate Sewered PCB's From Using Departments

A. Design packages were completed for the change-out of Therminol units to Therminol 66 in Depts. 270, 275, 258, 273, 239, 248 (2 units).

B. Five Therminol units in Depts. 243 and 244 will be changed out to a mixture of Therminol 55 and TCB. No projects are necessary.

C. Project package and estimate to change out Dept. 222 (PNA) Therminol unit is on hold pending final decision on future of permanent PNA. This decision is expected by 3/8/71.

D. Dept. 245 Therminol unit change-out is still being evaluated. EDC for the evaluation is 4/1/71.

E. Pydraul A-200B has been placed in two of the three hydraulic systems in Dept. 251.

F. All Aroclor trailers, including Rogers trailers, are being washed at WGK's Rip Track.

PCB Levels In The Atmosphere

Design package for Estimate 2675 to replace the nitrogen purge with a nitrogen blanket at the mix tanks has been rescheduled for completion by 6/1/71. This will reduce air pollution about 5 lbs/day which is insignificant compared to losses from some Therminol units.

Major Project Status

A. MCS 1016 (CEA 2417)

The final draft of the Appropriation Request is being forwarded for approval. New fixed capital requested is $820,000. Foundations are essentially complete and column erection is scheduled for March 10. Start-up is still targeted for June.

B. Incinerator (CEA 2415)

Major items of the Zuik incinerator package have been shipped. Foundations are complete and 75% of the piping fabricated. Start-up targeted for first week of May. Project was approved ($590,000 including in-department improvements) in November.

B. Anniston Plant

Aroclor Wastes

Current level of Aroclor losses during February averaged 1.95#/day (182 ppb).

Breakdown of the numbers are:

27 day average	105 ppb	1.13#/day
Increase due to adding limestone to #2 HCl pit	77 ppb	0.82#/day
	182 ppb	1.95#/day

Projects And Evaluations

1. Acid-proofing of #1 HCl pit was delayed due to inclement weather. Proofing completed as of 3/1/71. Pit is now ready for service pending addition of limestone.

2. Installation of the reactor-clarifier. Experimental facilities for evaluating PCB removal by powdered adsorbant addition followed by flocculation-clarification removal of solids is complete. Start-up has been delayed by various mechanical problems. Start-up is now targeted for week of 3/1/71.

Spills

There were no spills during February.

J.R. Savage

md