Monsanto

Aroclor Waste Disposal

FROM (NAME & LOCATION) W. C. Engman - Krummrich

DATE : August 4, 1970

SUBJECT : STATUS OF PROGRAM FOR AROCLOR POLLUTION CONTROL

REFERENCE :

TO : Mr. W. B. Papageorge
General Offices

cc: G. L. Bratsch
C. F. Buckley/M. A. Pierle
B. W. Corlew
P. B. Hodges - G.O.
D. W. Jackson
W. A. Krull
R. M. McCutchan
F. McDonald - Newport
A. L. Rasmussen
J. R. Savage - G.O.
H. L. Williams - Anniston
B. Young

This is the August 1, 1970 status of the PCB pollution control program.

I. PCB Levels in Sewer:

A. Summary of data on Aroclor losses to the river were reported in TSD Progress Report 91341:4119 Report #3, 6/23/70. Current losses are about 45 #/day to the river which is a concentration of 200-250 ppb.

B. Memo being published by M. Pierle covering the sampling program for the plant. The Aroclor Department and total plant effluent will be monitored daily. Current effort is to improve the sampling technique.

C. Aroclor analyzer received and laboratory is ready for routine analysis. Sampling will begin on a routine basis this week.

II. Projects To Reduce Sewered PCB's From Aroclor Department

A. Absorber rupture disk repiping (Est. 1512) complete.

B. Basin for trenches (Est. 1795) complete.

C. Blow tank demister (Est. 2031) project approved, long delivery items on order and project package will be issued by 8/7/70.

D. Provide paving curbs and catch basin in Aroclor department to prevent losses from spills especially in the tank car loading area. Guesstimated cost is $60,000 to $80,000. Estimate will be submitted by mid-August.

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III. Program to Eliminate Sewered PCB's From Using Departments

A. Monitoring of losses by using departments continues. Summary report for July will be issued by 8/10/70.

B. The five Organic TSD process groups have responded with programs for their areas. These programs are attached. Inorganic TSD is in the process of preparing a program for Inorganic Departments.

C. Tony Rasmussen has completed an evaluation indicating that a 45,000 gallon former SAB tank can be adapted to store waste Aroclor until incineration facilities are complete. This would reduce dumping liquid Aroclors in the Sanitary Land Fill. Bob Moody is preparing an estimate to modify this tank to unload tank cars and tank trucks. He is also preparing an estimate for purchasing a used tank trailer for in-plant hauling. EDC for these estimates is 8/10/70.

IV. Removal of Soluble PCB's From Sewer Stream (reach 10 ppb)

No work being done at WGK. Research at Anniston working on process.

V. PCB Levels in Atmosphere

A. Points of loss have been determined. Report being published. Most severe losses are from therminol units in Depts. 239, 245, 248 and 255. Work begun to correct these areas.

B. Equipment has been purchased to take vapor samples. Where vapor is flowing, losses can be measured quantitatively. Where vapor flows cannot be measured such as in breather vents, qualitative results will be obtained. Will complete this as per schedule by 9/1/70.

VI. PCB Rework Project (Est. 2095) - Estimate completed, $32,000 capital, $3,000 expense. Appropriation request being typed.

Phase I - Modify piping to use #4 still for 1254 and 1265 Aroclors - Complete and in operation. $2,000 verbally approved.

Phase II - Install piping to rework direct from tank cars. Project package has gone to the field. Pump and other long delivery items on order. $6,000 verbally approved.

Phase III - Install rework feed tank - Storage tank from phenol department on hold.

VII. Incineration Liaison

A. Phenol department fusion reactor area firmed up as location for Aroclor incineration. Tony Rasmussen named Manufacturing Representative.

W. C. Engman

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Technical Services Department

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