Monsanto

COMPANY CONFIDENTIAL

FROM (NAME & LOCATION): W. C. Engman - WGK

DATE: September 1, 1970

SUBJECT: STATUS OF PROGRAM FOR AROCLOR POLLUTION CONTROL

REFERENCE:

TO: Mr. J. R. Savage - G.O.

cc: Messrs.
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This is the September 1, 1970 status of the PCB pollution control program.

I. PCB Levels in Sewer:

A. Current losses to the river are about 30 to 35 #/day. Data published August 17, and August 21, is attached.

B. WGK laboratory is now training analysts in routine analysis of PCB's in sewer samples. This should be completed by September 4 at which time 3 to 4 samples/day will be analyzed.

One of the two chromatograph detectors was found faulty and has been returned to the manufacturer for repair. Although the instrument is operable on the remaining detector, some instrument time loss is experienced.

II. Projects to Reduce Sewered PCB's from Aroclor Department

A. Blow tank demister (Est. 2031) design package completed. Project construction will begin in September. Process Amendment has been prepared and is being circulated for approval.

B. Estimate being prepared for about $30,000 to provide paving, curbs, trenches and catch basin in tank car and tank truck loading areas.

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

A. Using departments are continuing to monitor losses. Summary report for August will be issued by September 10.

B. Status of programs being carried out by the various TSD process groups will be issued with next month's report.

C. Estimate 2292 for $7419 capital and $4700 expense submitted. Project will provide 150,000 gallons of storage for waste PCB's until incineration facilities are started up. 2 to 3 weeks will be required to complete this project after approval is received. At this time, no bulk aroclors are being dumped at the sanitary landfill.

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

No work. Waiting on process from Anniston Research.

V. PCB Levels in Atmosphere

A. Report published which covered points of loss. It was pointed out that most severe vapor losses were from therminol units in Depts. 239, 245, 248, and 255. To spur action, a meeting was held on August 17 with Bill Papageorge and Don Roush to give general philosophy and technical assistance to those responsible for correcting these problems.

B. Target date of 9/1 for obtaining samples has been missed. A special grade of toluene is needed for the sampling device and should be received during the week of 8/31. We should still meet our target date of 9/15 for setting air emission targets for Dept. 246 and the plant.

VI. PCB Rework Project (Est. 2095)

Phase II - Design package completed and safety review held. Construction will begin in September.

Phase III- Design underway.

A process amendment for reworking in Dept. 246 is being circulated for approval.

Dallas Armstrong will act as liaison between Research and the plant laboratory on analytical procedure for screening rework material.

VII. Incineration Liaison

This will be dropped from this report. Status of plant work on incineration and the MCS 1016 Fractionator Projects will be issued by the Manufacturing Representatives.

Bill

W. C. Engman
Technical Services Dept.

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