From the desk of

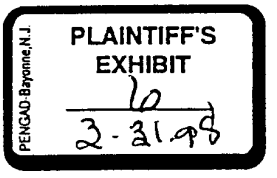
W. B. PAPAGEORGE

Marc,

Copy for file.
Return original
to Paul Hodges

OK - returned P.

DSW 013186



7/6/70

Bill Papageorge:

Schedule For Reduction of Aroclors Severed at WGK and Anniston

Anniston - 25-50 #/day originally lost with some tracing of free aroclors at the limestone neutralization. With present plans to keep the pit in good repair and to clean it by removal of deposits (instead of flushing to Snow Creek), present losses are about 5 #/day (500 ppb).
By 10/1/70, expect to be to 200 ppb. by sumps at production [illegible]
By 4/1/71, " " " 67 ppb by reducing amount of water saturated by aroclors
By 10/1/71 expect to be at 10 ppb by use of water treatment process yet to be developed.

WGK - 700 #/day originally lost (as of last Spring)
200 #/day up through most of March (1000 ppb)
65 #/day current loss following drip collector in blow tank off-gas line (325 ppb)
55 #/day by 9/1/70 with installation of settling basin on water discharge sewer line (275 ppb)
10 #/day (50 ppb) by 10/1/70 with further cleanup of off-gas from blow tanks. This is about as low as the plant can go without a water treatment process such as carbon or acid clay adsorption.

P. Hodge

DSW 013187

WATER_PCB-SD0000017100

Anniston

J. T. Bell
J. L. Corder
G. L. Jessee
J. C. Landwehr
H. E. Schulte

General Offices

D. Danna (1)
P. B. Hodges
W. B. Papageorge
J. R. Savage

South Second St.

Other Locations

F. Macdonald - Newport

B. W. Corlew - W.G.K.

Monsanto

Anniston Plant

TECHNICAL SERVICES DEPARTMENT

MONTHLY REPORT

Summary

SEPTEMBER 1970 CONFIDENTIAL

Read and destroy

AROCLOR WASTES

Current Level

Aroclor losses during September averaged 32#/day (2600 ppb). Fluctuation of losses occurred and were caused by:

1. The old limestone pit was overloaded with and discharged solids containing PCB.
2. Use of detergent to clean the Aroclor department resulted in emulsification and decreased efficiency of the department sump.
3. Variable severing of Muriatic Acid which, at high rates, causes PCB carrythrough from old limestone pit.
4. The new limestone pit not discharging any PCB to the plant effluent.

Alabama Water Improvement Commission Contacts

Contacts with AWIC Technical Staff were made to arrange to discuss program and results. Illness of staff members and press of other business prevented their meeting with us in September. We are now able to inform them that the new limestone pit was started up on September 23. To date the PCB level in this pit effluent has been from 0-3 ppb on five 24-hour composite samples (corresponding plant effluent was 90-240 ppb or 1.1-2.8 #/day). This supports the premise for interim action that Anniston's major discharge originated in the old limestone pit. Acid samples show that the new pit has neutralized 100% of the HCl which has been sent to the pit.

DSM 013188

CONFIDENTIAL INFORMATION

"This document contains confidential information which is the property of Monsanto Company. Only those portions of the document relevant to a duly authorized individual's need to know may be examined by him. The report must not be used outside the Company without written approval and the authorized recipient is accountable for its safe keeping, concealing or otherwise disclosing of its contents and for its proper disposal. The document remains the property of Monsanto Company and must be returned within two months to the author, except upon written authorization to hold for a longer period."

WATER_PCB-SD0000017101

Spills

One drum of Therminol fell from a fork lift and broke open. Approximately one gallon entered the sewer. The rest was absorbed in the chat and was cleaned up.

Projects and Evaluations

The Pollution job status report is attached.

Data input for solid wastes containing PCB has been completed. A report will be published the first week in October.

Preliminary evaluation for removing spent carbon from the HCl carbon towers without dumping into the sewer is in progress. Sewer relocation and sump revisions will be required.

Feasibility of pumping the limestone pit sludge will be determined in October test. This will reduce cost of periodic pit cleanout.

AFE 3605 was forwarded for approval to contain/decrease Aroclor department process leaks ($15,300 capital and $6,850 expense).

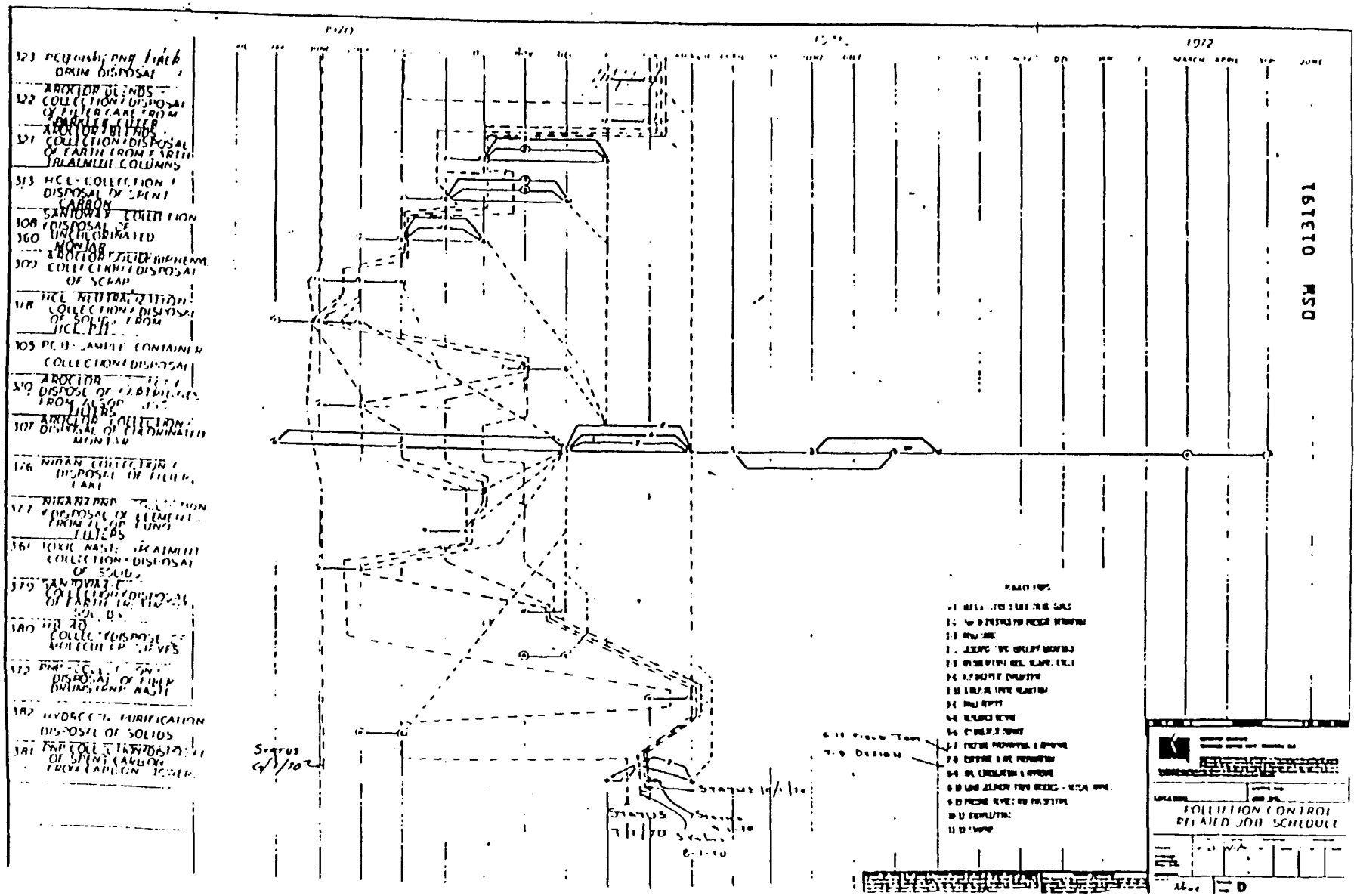
A test skimmer was installed in the Aroclor sump and has operated successfully in removing the built-up scum floating in the sump.

R. Haupt

:kd
Attachment

WATER_PCB-SD0000017102

WATER_PCB-SD0000017103



WATER_PCB-SD0000017104