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Monsanto

Anniston Plant

TECHNICAL SERVICES DEPARTMENT

MONTHLY REPORT

Summary

OCT 70

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Read and Destroy

~~AROCLOR WASTES~~

PCB Level in Sewer

~~Current Level~~

Aroclor losses during Oct averaged 3#/d (405 ppb). Four high daily values (1000-4000 ppb) account for 1.8 lb./day - neglecting those, October average is 1.3 lb./day. Actions now being taken to reduce upsets.

Alabama Water Improvement Commission Contacts

A meeting was held with the AWIC Technical Staff. They were satisfied with the progress made at Anniston on the PCB problem. Plant effluent levels will be reported monthly.

Spills

Cleaning out a plugged Montar drumout line caused some to spill on the floor which was absorbed in sand and cleaned up.

A leak in a chlorinator pump caused some Aroclor to enter the sump where it was contained without leaving the department into the plant waste sewer.

Projects & Evaluations

1. Input data to define magnitude of solid waste disposal problem was published in October. Later work has indicated that Montar 5 (with 5% 2 [illegible]) contains very little PCB. If confirmed, this reduces PCB containing bulk solids by 10 M pounds per year.

2. Premise approved for spent carbon (containing PCB) collection and burial. Ultimate disposal by incineration is present plan.

DSW 013900

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PENGAD-Bayonne, N.J.

Projects & Evaluations - continued

3. Removal of ~~solids~~ PCB-laden sludge from limestone pit ~~(there are more residual solids remaining after acid-limestone reaction which adsorb Aroclor and certain CC~~ by pumping was successfully demonstrated. This opens the way to longer pit life by removal of solids during operation of the pit.

4. Premise for rehabilitation of No. 1 limestone pit by 1/1/70 was approved in plant. Project preliminary estimate is $12M Capital, $2M Dismantling, and $26M Mechanical Expense. This estimate will be reviewed and an AFE prepared in November. Cleanout work is presently underway by pumping (see 3 above) so that the usual PCB discharge to Snow's Creek from pit cleanout will be minimized. Precautions ~~(including a temporary sand dam 2 feet high)~~ are being taken to minimize PCB escape during limestone removal.

5. Flow sheet developed for pilot clarifier intended to demonstrate removal of solids (with adsorb Aroclor) from limestone pit effluent. Premise and estimate will be developed by mid-November.

6. Approximately 500 gallons of liquid PCB was removed from department sump after 2-1/2 months of operation.

"Skimmer" was successfully demonstrated with collected scum being very high in PCB content (200M ppb). Approval was received to purchase.

V. R. Haupt

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