Monsanto

Info Aroclor Pollution

COMPANY CONFIDENTIAL

FROM (NAME & LOCATION): C. F. Buckley - WGK

DATE: April 5, 1974

SUBJECT: Status - PCB Environmental Control Program

REFERENCE:

TO: J. R. Savage - B2SL

CC:
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I. PCB Level in Sewers

March losses at 1.00 lb/day from operating departments and the Incinerator compared to 1.40 lb/day of last month.

A. Aroclor department. PCB losses decreased to .75 lb/day from 1.00 lb/day of last month.

B. Incinerator losses decreased at .25 lb/day from .40 lb/day of last month.

C. Waste Treatment Influent. Losses averaged 16.00 lb/day compared to 7.00 lb/day of last month. Increase was due to a non-recurring loss from the HCl transmission line.

D. Waste Treatment Effluent. Losses averaged 14.50 lb/day compared to 5.00 lb/day of last month.

II. Project Status

Project 4438 'Reduce water flow to sewer'. Completed on 4/1/74 on schedule and put in operation on 4/2/74.

III. Program Status

1. HCl Off-gas. The sewering valve was opened about 37 hrs. during the month.

2. Blow Tank Off-gas. Stopped air blowing on 4/2/74 after project 4438 was completed.

3. Rip Track. No aroclor cars were washed during the month.

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IV. PCB Plan Progress

A. 1. Air Monitoring

a. Incinerator. Changes in progess to reduce pluggage in the packed column will be made first week in April and effect on emission rate will be determined.

b. Department. Emission rates will be measured from scrubber exhaust and vacuum jet following completion of Project 4438.

2. Disposal of Aroclor Drums

The contractor's operation was inspected. There appears to be no losses to the environment and no change is recommended. We propose to continue to inspect the contractor's operation on a routine six month basis.

3. PCB residual levels. Samples have been obtained at Anniston and analysis is in progress.

4. Sewer Sampling Balance.

Samplers have been positioned at Dept. 236 and at point 3E downstream of Departments 217 and 236. Contamination at Dept. 217 occurred when cleaning a plugged HCl line. Removal of contaminated chat and sewer repairs are in progress and effects are reflected in the 3E samples and at the waste treatment plant. The discharge from Dept. 236 is substantially free of aroclor. Separate sampling at Dept. 217 will be instituted following completion of sewer repairs. Further sewer cleaning will be initiated if the samples indicate residual material in the sewers.

B3 Project 8020, installation of the off-gas scrubber has demonstrated that it meets its design basis and reduces PCB in the off-gas to 2.5 lb/day. Further reduction will be attempted by changing the scrubber liquor to permit lower temperature operation and reduce the partial pressure of PCB in the gas stream.

B4 Water usage has been reduced and the aeration step has been eliminated.

C1. The procedure to inspect returned drums is in effect and two incidents were controlled when leakers were detected.

C. F. Buckley/J. A. Munoz

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