

Monsanto

FROM (NAME & LOCATION)

E. G. Wright - Anniston, Alabama

lean
Pollution - Air - PCB

DATE December 29, 1970

cc: J. T. Bell
J. L. Corder
G. L. Jesses
J. C. Landwehr
P. B. Hodges - G.O.

SUBJECT P.C.B. Levels in Ambient Air
at Anniston Plant

REFERENCE

TO : W. B. Papageorge

Listed below is the data which has been collected to date on P.C.B. losses to the atmosphere at Anniston. These samples were collected primarily in the ambient air at each designated location.

<u>Date</u>	<u>Sampling Location</u>	<u>P.C.B. Concentration mg/m3</u>	<u>Comments</u>
11/5	Aroclor Still Room	.376 X 10 ⁻³	1 still on Aroclor 1242
11/6	Tank Car Loading Platform	.273 X 10 ⁻³	Loading Aroclor 1254 car
11/6	Aroclor Still Room	.095 X 10 ⁻³	Holding Aroclor 1242 in #3 Blend Tank
11/9	Tank Car Loading Platform	.246 X 10 ⁻³	Loading Aroclor 1242 Car
11/17	Tank Car Loading Platform	Results not available	Loading Aroclor 1254 Car
11/17	Warehouse Drumming Area	.573 X 10 ⁻³	Drumming Out Aroclor 1242
11/23	Aroclor Still Room	1.068 X 10 ⁻³	Distilling Aroclor 1242
11/24	Monter Hood	8.630 X 10 ⁻³	Drawing Aroclor 1242 Bottoms

This data indicates that the ambient air in the Anniston Plant manufacturing locations is considerably lower than the levels reported by Monsanto at Newport in September, 1970. This is probably because there has been very little manufacture of Liquid Aroclors at Anniston during this period.

MONS 099206

Some problems have been encountered in sampling and analysis at Anniston which account to some degree for the low values. The prime sampling problem is the inefficiency of the scrubbers at very high sampling volumes. (i.e. The scrubber is not 100% efficient at high air flow rates).

A solution to this problem is being tested by going to a very low flow rate and sampling for a longer time. Analysis have been delayed because of the high priority which has been assigned to the waste water clean-up research.

Plans are to continue sampling during January in an attempt to gather more reliable data on P.C.B. losses to the atmosphere. This data will be communicated to you as soon as it can be obtained.

Your comments regarding this will be appreciated.



Eugene G. Wright

jw