7.6 under Pollution - Air - PCB

**Monsanto**

FROM (NAME & LOCATION): E. G. Wright - Anniston, Alabama

DATE : January 18, 1971

SUBJECT : P.C.B. Losses to Atmosphere at Anniston Plant

REFERENCE

TO : W. B. Papageorge

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

To comply with your memo dated January 7, I have related the concentrations which were reported to you back to the operations where they were taken and have arrived at a pound/day figure. This data is attached.

I have also included on this sheet the theoretical losses which we would expect if the plant was operating at design capacity (53 M#/yr.). The samples which were used to calculate the measured losses were taken in November, 1970 when the plant was operating at a rate equivalent to 3 M#/yr. This partially explains the very low values which were obtained from actual sampling.

Since production will be much lower in 1971 (i.e. 4 M#/yr.), the daily maximum value loss will be considerably lower. This lower rate will decrease the maximum theoretical daily loss to approximately .93#/day. Provided that the measured losses compare to the theoretical losses as is shown in the attached data, the actual losses will be negligible.

Should the sales forecast increase in the future, we will again initiate the air sampling program and develop further data to determine whether or not air losses from the Anniston Plant do pose a serious problem.

Please let me know if there are any questions concerning this data.

E. G. Wright

jw

Summary of Results:

| | * Measured Loss (#/day) | ** Calculation Maximum Loss (#/day) |
|---|---|---|
| 1. Drumming operation | $.526 \times 10^{-6}$ | 2.59 |
| 2. Tank car loading | $2.22 \times 10^{-6}$ | 2.65 |
| 3. Mortar drumming station | $1.03 \times 10^{-3}$ | 4.92 |
| 4. HCl scrubber stack | Not sampled | 2.60 |
| 5. Blow tank jets | Not sampled | No calculation |
| 6. Vacuum jets | Not sampled | No calculation |
| Total | $\simeq$ .001#/day | 12.76#/day |

* These losses were measured at a rate equivalent to 3 $\bar{M}$#/yr.

** These losses were calculated using the capacity rate of 53 $\bar{M}$#/yr.