



Interoffice Communication

To A. H. Sather
From J. V. Uptain ✓
Date October 3, 1978
Subject CHEMICAL EXPOSURE MONITORING SUMMARY
- THIRD QUARTER, 1978

I. COLOR WEIGH ROOM

High-volume sampling was repeated following the connection of the weigh hood to the compound ventilation system.

The results (see Table I) clearly indicate that exposures, particularly those related to the dustier material such as the barium/cadmium complexes, are still excessive, in spite of the increased airflow through the hood.

A proposal for modifying the color weigh room operation is being reviewed at writing.

II. COMPOUND LINE I AIR SAMPLING

Preliminary results of high-volume air sampling on Compound Line I appear in Table II. Although the final analysis for heavy metal content is not yet completed, the total particulate concentrations so far indicate no serious problems.

III. SILICON DIOXIDE

Four, 8-hour TWA dosimetry-type Silicon Dioxide samples, involving the Plasticizer Operators, were taken, using a "respirable fraction" vortex sampler (see Table IV). No significant exposures were found.

IV. PHTHALIC ANHYDRIDE

Ten dosimetry-type Phthalic Anhydride samples were taken, involving Yard Operators and Plasticizer Operators (see Table III). Work tasks studied were the routine production of plasticizer and the connection/disconnection of Phthalic Anhydride railcars. Exposures were well under established limits.

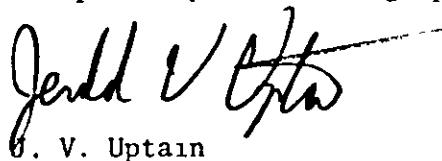
V. COMPOUND AREA HIGH-VOLUME SAMPLING

The results of 24 high-volume air samples taken on Compound Line III and in Dry Blend are shown in Table V. Except for 4 samples, the results are very encouraging. Two of the four results (#78-78 and #78-80) indicate total particulate and tin problems in the Dry Blend area, although the limited amount of information does not justify firm conclusions. Similarly, samples #78-65 & #78-89 indicate high lead concentrations in two Line III areas.

A. H. Sather
October 3, 1978
Chemical Exposure Monitoring Summary
Third Quarter, 1978
Page 2

V. COMPOUND AREA HIGH-VOLUME SAMPLING (Cont.)

All in all, the results are better than anticipated, the difference probably due in large part to the compound ventilation system.



G. V. Uptain

tp
Attachments

c. Plant Manager, Department Heads, DSC, EDS, DAK, JJH, ODS