U. D. Torrance December 4, 1957

Atmospheric Hygiene Studies
Textile Dept. - Card Room

Per your request, the atmospheric hygiene survey has been completed in the Textile Department Card Room, and the results received from Travelers.

Two or three samples have been taken at each location to eliminate the possibility of having sampled when an unusual condition existed. By this method, we were better able to determine an average working condition.

Forty four samples were taken at the Cards, Breaker Cards, East side storage room, East floor intake duct, Willow, and West intake. Out of the forty four samples taken, only two were above the maximum allowable concentration established by the State of New Jersey. They were:

*Sample Station #249 - A - 21 (East floor intake duct), and

*Sample Station #238A - A - 21 (Card #40).

Both of these samples represented one out of a group of three. The other two in each case were below the maximum allowable concentration.

Out of the forty four samples taken, five were above the maximum allowable concentration established by J-M standards. These included:

Sample Station #248 - A - 21 (East side storage room)

*Sample Station #249 - A - 21)
Sample Station #249A - A - 21) (East floor intake duct)

Sample Station #242C - A - 21 (Card #2), and

*Sample Station #238A - A - 21 (Card #40).

In our opinion, as a result of these studies, the three areas requiring attention include Card #40, East side storage room and the East floor intake duct.

It is our recommendation that the dust house cleaning operation remain as is, inasmuch as the favorable results of this survey, in our opinion, do not warrant a change at the present time.

Our plans are to re-survey the card room in approximately six months.

CLS.
C. L. Sheckler

CLS:hk
Enclosure: Spread sheet of survey results.

cc: H. J. O'Brien ✓
M. F. Naylor
P. D. Cannon
J. W. Reeder
W. Atkinson
H. M. Jackson