



INTERNAL CORRESPONDENCE

## CHEMICALS AND PLASTICS

P. O. BOX K, KING CITY, CALIFORNIA 93930

To (Name) Mr. Paul W. McDaniel  
Division Medical Department  
Location 4th floor, room 202  
New York

Date October 29, 1969

Originating Dept.

Answering letter date

Copy to L. F. Crow  
J. L. Myers  
J. A. Riddle

Subject Monthly Dust Count  
King City Plant

Dear Mr. McDaniel:

Enclosed are the dust counts for the month of October at the King City plant. All samples were taken on 10/21/69 during swing shift. All circuits were operating, but the automatic palletizer was down.

A handwritten signature in cursive script that reads "G. Acosta".

G. Acosta

GA/clg  
encl:

PLAINTIFF'S EXHIBIT

UC-4558

G. Acosta  
10-21-69

DUST SAMPLE

COMMENT: Weather - clear, winds - 15 MPH from North, Temp. 76°F.

| <u>SAMPLE</u>                                    | <u>COMMENT</u>                                                                                                                                                  | <u>AVE. +5M</u> | <u>TOTAL</u> |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| #1 North Fence Line                              | 4:45 pm - 76°F<br>2.8 liters/min-10 min.<br>Wind 15 MPH from North                                                                                              | 2               | 19           |
| #2 Same as #1                                    | 4:58 pm - 74°F<br>2.8 liters/min-10 min.                                                                                                                        | 3               | 27           |
| #3 South Fence Line                              | 5:28 pm - 72°F<br>2.8 liters/min-10 min.<br>Wind 17 MPH from North                                                                                              | 6               | 27           |
| #4 Same as #3                                    | 5:41 pm - 70°F<br>2.8 liters/min-10 min.                                                                                                                        | 1               | 16           |
| #5 Beside Bagger<br>Operator<br>(Breathing Zone) | 6:20 pm - 76°F<br>2.8 liters/min-10 min.<br>Palletizer not operating<br>West door open-inside door open<br>Wet dust return working, bagging<br>SG-100 (pellets) | 30              | 104          |
| #6 Same as #5                                    | 6:55 pm - 76°F<br>2.8 liter/min-10 min.                                                                                                                         | 20              | 58           |
| #7 Riding Front End<br>Loader                    | 7:25 pm - 64°F<br>2.8 liters/min-10 min.<br>Wind 17 MPH from North<br>Hauling ore from stockpile<br>to #202 Hopper                                              | 13              | 97           |
| #8 Same as #7                                    | 7:40 pm - 64°F<br>2.8 liters/min-10 min.                                                                                                                        | 9               | 133          |
| #9 End of Bag Conveyor                           | 8:40 pm - 72°F<br>2.8 liters/min-10 min.<br>Bagging room door open<br>Packaging SG-100 (pellets)<br>Palletizer not operating                                    | 4               | 23           |

G. Acosta  
10-21-69  
Pg. 2.....

| <u>SAMPLE</u>                             | <u>COMMENT</u>                                                                                  | <u>AVE. +5M</u> | <u>TOTAL</u> |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------|--------------|
| #10 Same as #9                            | 8:55 pm - 72°F<br>2.8 liters/min-10 min.                                                        | 2               | 16           |
| #11 Rock Fiber-Refiner<br>Mezzanine Area  | 9:35 pm - 72°F<br>2.8 liters/min-10 min.                                                        | 3               | 67           |
| #12 Same as #11                           | 9:45 pm - 72°F<br>2.8 liters/min-10 min.                                                        | 1               | 15           |
| #13 Filter Press Area                     | 10:15 pm - 70°F<br>2.8 liters/min-10 min.                                                       | 2               | 16           |
| #14 Same as #13                           | 10:28 pm - 68°F<br>2.8 liters/min-10 min.                                                       | 2               | 12           |
| #15 Packaging Area<br>(Above Change Room) | 10:50 pm - 69°F<br>Bagging Room Door Open<br>Bagging SG-100 (pellets)<br>2.8 liters/min-10 min, | 1               | 26           |
| #16 Same as #15                           | 11:02 pm - 68°F<br>2.8 liters/min-10 min.                                                       | 3               | 21           |

G. Acosta  
12-17-69

DUST SAMPLE

COMMENT: December 12, 1969. Weather - clear, no winds, temp. 68°F.

| <u>1</u> | <u>SAMPLE</u>                          | <u>COMMENT</u>                                                                                                                                                                      | <u>AVE. +5M</u> | <u>TOTAL</u> |
|----------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| #1       | North Fence Line                       | 1:55 pm - 68°F<br>2.8 liters/min. 10 min.                                                                                                                                           | 2               | 17           |
| #2       | Same as #1                             | 2:08 pm - 68°F<br>2.8 liters/min. 10 min.                                                                                                                                           | 2               | 20           |
| #3       | South Fence Line                       | 3:00 pm - 65°F<br>2.8 liters/min. 10 min.<br>Wind 5 MPH from Northwest                                                                                                              | 1               | 19           |
| #4       | Same as #3                             | 3:12 pm - 65°F<br>2.8 liters/min. 10 min.<br>Wind 5 MPH                                                                                                                             | 2               | 19           |
| #5       | Packaging Area<br>(Above Change Room)  | 4:13 pm - 70°F<br>2.8 liters/min. 10 min.<br>North door open - all circuits operating<br>bagging room door open - floors in mill<br>building being swept.                           | 4               | 27           |
| #6       | Same as #5                             | 4:28 pm - 69°F<br>2.8 liters/min. 10 min.<br>Same conditions as #5                                                                                                                  | 5               | 24           |
| #7       | Rock Fiber Refiner<br>(Mezzanine Area) | 4:55 pm - 71°F<br>2.8 liters/min. 10 min.                                                                                                                                           | 3               | 54           |
| #8       | Same as #7                             | 5:07 pm - 70°F<br>2.8 liters/min. 10 min.                                                                                                                                           | 4               | 24           |
| #9       | Area Around Palletizer                 | 5:30 pm - 69°F<br>2.8 liters/min. 10 min.<br>West door open. Inside door open-<br>palletizer operating-bagging SG-130<br>wet dust return operating-using Stoker<br>& Black baggers. | 7               | 37           |

G. Acoſta  
12-17-69  
Pg. 2.....

| <u>SAMPLE</u>                                                            | <u>COMMENT</u>                                                                                                                                           | <u>AVE. +5M</u> | <u>TOTAL</u> |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| #10 Same as #9                                                           | 5:45 pm - 69°F<br>2.8 liters/min. 10 min.                                                                                                                | 13              | 46           |
| COMMENT: December 18, 1969. Weather - cloudy, wind 5 MPH from Southwest. |                                                                                                                                                          |                 |              |
| #11 Filter Press Area                                                    | 4:30 pm - 72°F<br>2.8 liters/min. 10 min.                                                                                                                | 1               | 25           |
| #12 Same as #11                                                          | 4:43 pm - 71°F<br>2.8 liters/min. 10 min.                                                                                                                | 6               | 30           |
| #13 Riding Front End Loader                                              | 5:00 pm - 61°F<br>2.8 liters/min. 10 min.<br>Wind 10 MPH from Southwest                                                                                  | 20              | 193          |
| #14 Same as #13                                                          | 5:15 pm - 61°F<br>2.8 liters/min. 10 min.<br>Same wind condition as #13                                                                                  | 22              | 171          |
| #15 Beside Bagger Operator                                               | 5:40 pm - 70°F<br>2.8 liters/min. 10 min.<br>Bagging SG-130 using both baggers-<br>inside west door open, palletizer<br>working-wet dust return working. | 21              | 45           |
| #16 Same as #15                                                          | 6:05 pm - 70°F<br>2.8 liters/min. 10 min.<br>Same conditions as #15                                                                                      | 22              | 73           |

GA/clg  
12-31-69

. Acosta  
-31-70

UST SAMPLE

COMMENT: July 27, 1970. Weather-Clear, wind 27 mph from Northwest 75°F.

| <u>SAMPLE</u>                                         | <u>COMMENT</u>                                                                                                                                      | <u>PARTICLE COUNT</u> |              |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
|                                                       |                                                                                                                                                     | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| 1 North Fence                                         | 5:10 pm - 75°F<br>2.8 liters/min., 10 min.<br>Wind 27 mph northwest                                                                                 | 1                     | 19           |
| 2 Same as #1                                          | 5:25 pm - 75°F<br>2.8 liters/min., 10 min.<br>Conditions same as #1                                                                                 | 1                     | 21           |
| 3 South Fence                                         | 6:00 pm - 72°F<br>2.8 liters/min., 10 min.<br>Wind 30 mph northwest                                                                                 | 1                     | 25           |
| 4 Same as #3                                          | 6:20 pm - 72°F<br>2.8 liters/min., 10 min.<br>Conditions same as #3                                                                                 | 1                     | 28           |
| 5 Bagging Circuit<br>(At operators<br>breathing zone) | 7:00 pm - 77°F<br>2.8 liters/min., 10 min.<br>Bagging HPP<br>Inside door open-west door open<br>Palletizer not operating<br>Wet dust return running | 7                     | 30           |
| Same as #5                                            | 7:15 pm - 77°F<br>2.8 liters/min., 10 min.<br>Same conditions as #5                                                                                 | 8                     | 48           |
| Front End Loader                                      | 7:30 pm - 66°F<br>2.8 liters/min., 10 min.<br>Wind 30 mph northwest<br>Hauling from stockpile to 202 Hopper                                         | 9                     | 49           |
| Same as #7                                            | 7:45 pm - 66°F<br>2.8 liters/min., 10 min.<br>Same wind condition<br>Hauling from stockpile to 202 Hopper 4-Min.<br>Leveling ore pile 6-Min.        | 4                     | 40           |

Continued.....

. Acosta  
-31-70  
3. 2.....

|               | <u>SAMPLE</u>                         | <u>COMMENT</u>                              | <u>PARTICLE COUNT</u> |              |
|---------------|---------------------------------------|---------------------------------------------|-----------------------|--------------|
|               |                                       |                                             | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| #9            | Packaging Area<br>(Above Change Room) | 9:20 pm - 70°F<br>2.8 liters/min., 10 min.  | 2                     | 26           |
| .0            | Same as #9                            | 9:40 pm - 70°F<br>2.8 liters/min., 10 min.  | 2                     | 25           |
| .1            | End of Bag Conveyor                   | 10:00 pm - 65°F<br>2.8 liters/min., 10 min. | 3                     | 27           |
| 2             | Same as #11                           | 10:15 pm - 65°F<br>2.8 liters/min., 10 min. | 4                     | 23           |
| June 28, 1970 |                                       |                                             |                       |              |
| 3             | Filter Press Area                     | 4:35 pm - 82°F<br>2.8 liters/min., 10 min.  | 2                     | 22           |
| 4             | Same as #13                           | 4:50 pm - 82°F<br>2.8 liters/min., 10 min.  | 1                     | 19           |
| 5             | Rock Fiber-Refiner                    | 5:10 pm - 84°F<br>2.8 liters/min., 10 min.  | 3                     | 19           |
| o             | Same as #15                           | 5:25 pm - 84°F<br>2.8 liters/min., 10 min.  | 2                     | 18           |

G. Acosta  
6-29-70

DUST SAMPLE

COMMENT: June 22, 1970 Weather-clear, wind 17 mph from Northwest 80°.  
Collected by G. Acosta

| <u>SAMPLE</u>                             | <u>COMMENT</u>                                                                                                                        | <u>PARTICLE COUNT</u> |              |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
|                                           |                                                                                                                                       | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| #1 Packaging Area<br>(Above Change Room)  | 4:20 pm - 80°F<br>2.8 liters/min., 10 min.<br>North door open - bagging room door open<br>Bagging HPP                                 | 1                     | 37           |
| #2 Same as #1                             | 4:33 pm - 80°F<br>2.8 liters/min., 10 min.                                                                                            | 1                     | 41           |
| #3 Rock Fiber-Refiner<br>(Mezzanine Area) | 5:00 pm - 81°F<br>2.8 liters/min., 10 min.<br>Both East doors open                                                                    | 2                     | 18           |
| #4 Same as #3                             | 9:30 pm - 75°F<br>2.8 liters/min., 10 min.                                                                                            | 1                     | 11           |
| #5 Front End Loader                       | 5:20 pm - 78°F<br>2.8 liters/min., 10 min.<br>Wind 20 mph Northwest<br>Hauling from stockpile to 202 Hopper<br>Both loader doors open | 1                     | 41           |
| 6 Same as #5                              | 5:35 pm - 78°F<br>2.8 liters/min., 10 min.<br>Hauling from stockpile to 202 Hopper 5-min.<br>Leveling ore pile 5-min.                 | 8                     | 51           |
| #7 North Fence Line                       | 6:00 pm - 73°F<br>2.8 liters/min., 10 min.<br>Wind 25 mph Northwest                                                                   | 1                     | 10           |
| #8 Same as #7                             | 6:20 pm - 73°F<br>2.8 liters/min., 10 min.                                                                                            | 3                     | 13           |
| #9 South Fence Line                       | 6:45 pm - 70°F<br>2.8 liters/min., 10 min.<br>20 mph Northwest                                                                        | 1                     | 34           |

continued.....

G. Acosta  
6-29-70  
Pg. 2.....

| <u>SAMPLE</u>                                                        | <u>COMMENT</u>                                                                                                      | <u>PARTICLE COUNT</u> |              |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
|                                                                      |                                                                                                                     | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| #10 Same as #9                                                       | 7:00 pm - 70°F<br>2.8 liters/min., 10 min.                                                                          | 2                     | 10           |
| COMMENTS: June 23, 1970 All circuits running, collected by R. Bowman |                                                                                                                     |                       |              |
| #11 Filter Press Area                                                | 9:50 pm - 79°F<br>2.8 liters/min., 10 min.                                                                          | 1                     | 13           |
| #12 Same as #11                                                      | 10:15 pm - 79°F<br>2.8 liters/min., 10 min.                                                                         | 1                     | 24           |
| #13 Bagging Circuit<br>(At Bagger Operators<br>breathing zone)       | 12:10 am - 60°F<br>2.8 liters/min., 10 min.<br>Bagging HPO<br>Wet dust return running.<br>Palletizer not operating. | 2                     | 18           |
| #14 Same as #13                                                      | 12:30 am - 60°F<br>2.8 liters/min., 10 min.                                                                         | 5                     | 20           |
| #15 End of Bag Conveyor                                              | 12:50 am - 56°F<br>2.8 liters/min., 10 min.<br>Bagging HPO                                                          | 3                     | 11           |
| #16 Same as #15                                                      | 1:05 am - 56°F<br>2.8 liters/min., 10 min.                                                                          | 3                     | 13           |

'clg

# LOCATION AREA

(F) - PLEON SAMPLER  
(P) - PUMP of electric

(1970) (PARTICLE COUNT)  
(AVE. + 5 M)

## SAMPLES

|                                          | MAIN PRODUCT | HRBT | SECT | APR  | MAY | JUNE | JULY | AUG                 | SEPT | OCT  | NOV | DEC. |
|------------------------------------------|--------------|------|------|------|-----|------|------|---------------------|------|------|-----|------|
|                                          |              |      |      |      |     |      |      |                     |      |      |     |      |
| Bagger Operator (Breathing Zone)         |              | 13.0 |      | 47.0 |     | 3.5  | 7.5  | (P) (P)<br>15.3/4.7 | 8.5  | 60.0 |     |      |
| Palletizer Area                          |              | 4.5  |      | 8.0  |     |      |      | (P) (P)<br>6.3/6.7  | 3.0  | 15.0 |     |      |
| Rock Fiber Refiner                       |              | 2.0  |      | 1.0  |     | 1.5  | 2.5  |                     | 3.0  | 3.0  |     |      |
| Filter Press Area                        |              |      |      | 2.0  |     | 1.0  | 1.5  |                     | 8.0  | 3.0  |     |      |
| North Fence Line                         |              | 1.0  |      | 2.0  |     | 2.0  | 1.0  | (P) (P)<br>0/1      | 1.5  | 2.5  |     |      |
| South Fence Line                         |              | 1.0  |      | 1.0  |     | 1.5  | 1.0  | (P) (P)<br>1/0      | 2.5  | 2.0  |     |      |
| Packaging Area (Cable Changing Room)     |              |      |      | 1.5  |     | 1.0  | 4.0  |                     | 1.5  | 3.5  |     |      |
| Front end loader                         |              |      |      | 5.5  |     | 4.5  | 6.5  |                     | 29.0 |      |     |      |
| END of Bag Conveyor                      |              |      |      |      |     | 5.0  | 3.5  |                     |      |      |     |      |
| Wet End of Operator                      |              |      |      |      |     |      |      | (P) (P)<br>0/0      |      |      |     |      |
| General Area                             |              |      |      |      |     |      |      |                     | 6.7  |      |     |      |
| Recruit Bagger Operator (Breathing Zone) |              |      |      |      |     |      |      |                     | 3.6  |      |     |      |

G. Acosta  
1-27-70

DUST SAMPLE

COMMENT: January 27, 1970. Weather - clear, wind 35 mph from north.

| <u>SAMPLE</u>                                                                                                   | <u>COMMENT</u>                                                                                                          | <u>PARTICLE COUNT</u> |              |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
|                                                                                                                 |                                                                                                                         | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| #1 North Fence Line                                                                                             | 12:38 pm - 52°F<br>2.8 liters/min., 10 min.<br>Wind 35 mph from north, clear                                            | 1                     | 19           |
| #2 Same as #1                                                                                                   | 12:55 pm - 52°F<br>2.8 liters/min., 10 min.<br>Wind 35 mph from north, clear                                            | 1                     | 13           |
| #3 South Fence Line                                                                                             | 3:38 pm - 50°F<br>2.8 liters/min., 10 min.<br>Wind 40 mph from north, clear                                             | 1                     | 30           |
| #4 Same as #3                                                                                                   | 3:52 pm - 50°F<br>2.8 liters/min., 10 min.<br>Same conditions as #3                                                     | 1                     | 20           |
| Inside Conditions - palletizer in operation. Wet dust return not operating. Bagging<br>HPO - T. West door open. |                                                                                                                         |                       |              |
| #5 Palletizing Area                                                                                             | 4:25 pm - 64°F<br>2.8 liters/min., 10 min.                                                                              | 4                     | 173          |
| #6 Same as #5                                                                                                   | 4:45 pm - 64°F<br>2.8 liters./min., 10 min.                                                                             | 5                     | 227          |
| #7 Bagger Operator<br>(at his breathing zone)                                                                   | 5:10 pm - 65°F<br>2.8 liters/min., 10 min.                                                                              | 9                     | 167          |
| #8 Same as #7                                                                                                   | 5:35 pm - 65°F<br>2.8 liters/min., 10 min.                                                                              | 17                    | 209          |
| #9 Rock Fiber Refiner                                                                                           | 7:00 pm - 72°F<br>2.8 liters/min., 10 min.<br>All doors open<br>T102 being dumped into circuit next to refiner circuit. | 4                     | 61           |
| #10 Same as #9                                                                                                  | 7:27 pm - 72°F<br>2.8 liters/min., 10 min.<br>Same conditions as #9                                                     | 2                     | 55           |

G. Acosta  
4-28-70

DUST SAMPLE

COMMENT: April 24, 1970. Weather - clear, wind 11 mph from north, 52°F.

| <u>SAMPLE</u>                              | <u>COMMENT</u>                                                                                                                                                                   | <u>PARTICLE COUNT</u> |              |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
|                                            |                                                                                                                                                                                  | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| #1 Rock Fiber-Refiner<br>(Mezzanine Area)  | 8:45 pm - 69°F<br>2.8 liters/min., 10 min.<br>Door to bagging room open                                                                                                          | 1                     | 52           |
| #2 Same as #1                              | 9:02 pm - 69°F<br>2.8 liters/min., 10 min.<br>Door to bagging room open                                                                                                          | 1                     | 54           |
| #3 Filter Press Area                       | 9:20 pm - 70°F<br>2.8 liters/min., 10 min.<br>Door to R-G 244 bagging room closed                                                                                                | 2                     | 21           |
| #4 Same as #3                              | 9:33 pm - 70°F<br>2.8 liters/min., 10 min.<br>Same conditions as #3                                                                                                              | 2                     | 26           |
| #5 Palletizing Area                        | 9:50 pm - 70°F<br>2.8 liters/min., 10 min.<br>West door closed, inside door open<br>palletizer operating-bagging SG-144<br>with both mills & baggers-wet dust<br>return working. | 9                     | 55           |
| #6 Same as #5                              | 10:05 pm - 70°F<br>2.8 liters/min., 10 min.<br>Same conditions as #5                                                                                                             | 7                     | 45           |
| #7 Packaging Area<br>(above changing room) | 11:05 pm - 69°F<br>2.8 liters/min., 10 min.                                                                                                                                      | 2                     | 28           |
| #8 Same as #7                              | 11:20 pm - 69°F<br>2.8 liters/min., 10 min.                                                                                                                                      | 1                     | 20           |

continued.....

G. Acosta  
4-28-70  
Pg. 2.....

COMMENTS: April 25, 1970.. Weather - clear, wind 35-40 mph from north, 66°F  
All circuits operating.

| <u>SAMPLE</u>                                        | <u>COMMENT</u>                                                                                                                                         | <u>AVE. +5M</u> | <u>TOTAL</u> |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| #9 North Fence Line                                  | 4:15 pm - 66°F<br>2.8 liters/min., 10 min.<br>Wind 35-40 mph from north<br>loading 2 trucks at truck dock                                              | 3               | 19           |
| #10 Same as #9                                       | 4:30 pm - 66°F<br>2.8 liters/min., 10 min.<br>Same conditions as #9                                                                                    | 1               | 32           |
| #11 Front End Loader                                 | 5:15 pm - 62°F<br>2.8 liters/min., 10 min.<br>Wind 22 mph from north<br>Hauling from stockpile to #202 hopper                                          | 7               | 137          |
| #12 Same as #11                                      | 5:30 pm - 61°F<br>2.8 liters/min., 10 min.<br>Wind 22 mph from north                                                                                   | 4               | 104          |
| #13 South Fence Line                                 | 6:10 pm - 58°F<br>2.8 liters/min., 10 min.<br>Wind 20 mph from north                                                                                   | 1               | 10           |
| #14 Same as #13                                      | 6:22 pm - 57°F<br>2.8 liters/min., 10 min.<br>Wind 20 mph from north                                                                                   | 1               | 25           |
| #15 Bagging Room<br>(at operators<br>breathing zone) | 9:30 pm - 72°F<br>2.8 liters/min., 10 min.<br>Bagging SG-130, 4 broken bags<br>using both mills & baggers wet dust<br>return working. West door closed | 44              | 114          |
| #16 Same as #15                                      | 9:50 pm - 72°F<br>2.8 liters/min., 10 min.<br>Same conditions as #15, only 1 broken<br>bag                                                             | 50              | 144          |

/clg

DUST SAMPLES  
August 1970

"F" - Freon Sampler)      Samples were collected side by side at same time.  
"P" - Electric Pump)

8-12-70

| <u>SAMPLE</u> |                                      | <u>COMMENT</u>                                                                                    |     | <u>PARTICLE COUNT</u> |              |
|---------------|--------------------------------------|---------------------------------------------------------------------------------------------------|-----|-----------------------|--------------|
|               |                                      |                                                                                                   |     | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| F             | Beside bagger Operator               | 2.8 liters/min., 10 min.<br>Bagging Standard Grade. Bag<br>broke during sampling period.          | 1st | 13                    | 102          |
|               |                                      |                                                                                                   | 2nd | 17                    | 128          |
|               |                                      |                                                                                                   | 3rd | 16                    | 141          |
| P             | Same as #1F                          | 2.8 liters/min., 10 min.<br>Same conditions as #1F                                                | 1st | 20                    | 197          |
|               |                                      |                                                                                                   | 2nd | 22                    | 185          |
|               |                                      |                                                                                                   | 3rd | 26                    | 211          |
| F             | Around Palletizer                    | 2.8 liters/min., 10 min.<br>Standard Grade Fiber                                                  | 1st | 9                     | 66           |
|               |                                      |                                                                                                   | 2nd | 5                     | 49           |
|               |                                      |                                                                                                   | 3rd | 5                     | 41           |
| P             | Same as #2F                          | 2.8 liters/min., 10 min.<br>Same conditions as #2F                                                | 1st | 6                     | 62           |
|               |                                      |                                                                                                   | 2nd | 4                     | 44           |
|               |                                      |                                                                                                   | 3rd | 10                    | 51           |
| F             | South Fence Line                     | 2.8 liters/min., 10 min.<br>Variable winds, 0-6 MPH<br>from West.                                 | 1st | 1                     | 25           |
|               |                                      |                                                                                                   | 2nd | 0                     | 15           |
|               |                                      |                                                                                                   | 3rd | 1                     | 21           |
| P             | Same as #3F                          | 2.8 liters/min., 10 min.<br>Same conditions as #3F                                                | 1st | 0                     | 26           |
|               |                                      |                                                                                                   | 2nd | 0                     | 26           |
|               |                                      |                                                                                                   | 3rd | 0                     | 36           |
| P             | Wet End of Operation                 | 2.8 liters/min., 10 min.<br>Operation down, but bagger oper-<br>ating. Doors to bagger area open. | 1st | 0                     | 24           |
|               |                                      |                                                                                                   | 2nd | 0                     | 28           |
|               |                                      |                                                                                                   | 3rd | 0                     | 26           |
| P             | Same as #4F                          | 2.8 liters/min., 10 min.<br>Same conditions as #4F                                                | 1st | 0                     | 34           |
|               |                                      |                                                                                                   | 2nd | 0                     | 39           |
|               |                                      |                                                                                                   | 3rd | 0                     | 43           |
| P             | North Fence<br>(South edge of ponds) | 2.8 liters/min., 10 min.<br>Wind from NW 10-18 MPH.                                               | 1st | 0                     | 29           |
|               |                                      |                                                                                                   | 2nd | 0                     | 25           |
|               |                                      |                                                                                                   | 3rd | 0                     | 33           |

continued.....

|    | <u>SAMPLE</u>                              | <u>COMMENT</u>                                                                                        |     | <u>PARTICLE COUNT</u> |              |
|----|--------------------------------------------|-------------------------------------------------------------------------------------------------------|-----|-----------------------|--------------|
|    |                                            |                                                                                                       |     | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| 5P | Same as #5F                                | 2.8 liters/min., 10 min.<br>Same conditions as #5F                                                    | 1st | 1                     | 25           |
|    |                                            |                                                                                                       | 2nd | 1                     | 34           |
|    |                                            |                                                                                                       | 3rd | 0                     | 23           |
| 5F | Beside Bagger operator                     | 2.8 liters/min., 10 min.<br>Standard Grade Fiber                                                      | 1st | 14                    | 119          |
|    |                                            |                                                                                                       | 2nd | 11                    | 153          |
|    |                                            |                                                                                                       | 3rd | 10                    | 141          |
| 6P | Same as #6F                                | 2.8 liters/min., 10 min.<br>Same as conditions #6F                                                    | 1st | 16                    | 111          |
|    |                                            |                                                                                                       | 2nd | 9                     | 96           |
|    |                                            |                                                                                                       | 3rd | 10                    | 126          |
| 7P | General area                               | 2.8 liters/min., 10 min.<br>Outside building on south side<br>during bagging Standard Grade<br>fiber. | 1st | 7                     | 55           |
|    |                                            |                                                                                                       | 2nd | 5                     | 44           |
|    |                                            |                                                                                                       | 3rd | 8                     | 53           |
| 8P | Sample Contaminated<br>(Taken 8-13-70)     | 2.8 liters/min., 10 min.<br>Beside operator bagging RG 244                                            |     |                       |              |
| 9P | Beside bagging operator<br>(taken 8-13-70) | 2.8 liters/min., 10 min.<br>Bagging RG 244                                                            | 1st | 3                     | 23           |
|    |                                            |                                                                                                       | 2nd | 2                     | 18           |
|    |                                            |                                                                                                       | 3rd | 6                     | 91           |

-24-70

'clg

DUST SAMPLES  
September 1970

COMMENT: Sept. 21, 1970. Weather-Clear, wind 20 mph from North 88°F.

| <u>SAMPLE</u>                                        | <u>COMMENT</u>                                                        | <u>PARTICLE COUNT</u> |              |
|------------------------------------------------------|-----------------------------------------------------------------------|-----------------------|--------------|
|                                                      |                                                                       | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| #1 North Fence Line                                  | 2:25 pm - 88°F<br>2.8 liters/min., 10 min.<br>Wind 20 mph North       | 1                     | 15           |
| #2 Same as #1                                        | 2:40 pm - 88°F<br>2.8 liters/min., 10 min.<br>Same conditions as #1   | 2                     | 12           |
| #3 South Fence Line                                  | 3:15 pm - 86°F<br>2.8 liters/min., 10 min.<br>Wind 22 mph North       | 2                     | 13           |
| #4 Same as #3                                        | 3:30 pm - 86°F<br>2.8 liters/min., 10 min.<br>Same conditions as #3   | 3                     | 20           |
| #5 Beside Bagger Operator<br>(at his breathing zone) | 7:20 pm - 82°F<br>2.8 liters/min., 10 min.<br>Bagging HPP             | 9                     | 28           |
| #6 Same as #5                                        | 8:00 pm - 82°F<br>2.8 liters/min., 10 min.<br>Same conditions as #5   | 8                     | 37           |
| #7 Palletizing Area                                  | 8:20 pm - 70°F<br>2.8 liters/min., 10 min.<br>West & South doors open | 3                     | 26           |
| #8 Same as #7                                        | 8:40 pm - 74°F<br>2.8 liters/min., 10 min.<br>Same conditions as #7   | 3                     | 15           |
| #9 Packaging Area                                    | 9:00 pm - 80°F<br>2.8 liters/min., 10 min.                            | 1                     | 5            |
| #10 Same as #9                                       | 9:15 pm - 80°F<br>2.8 liters/min., 10 min.                            | 2                     | 10           |

continued.....

| <u>SAMPLE</u>                                                 | <u>COMMENT</u>                                                                    | <u>PARTICLE COUNT</u> |              |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------|--------------|
|                                                               |                                                                                   | <u>AVE. + 5M</u>      | <u>TOTAL</u> |
| 1 Filter Press Area                                           | 11:05 pm - 80°F<br>2.8 liters/min., 10 min.<br>Mill making Standard Grade Product | 12                    | 48           |
| 2 Same as #11                                                 | 11:20 pm - 80°F<br>2.8 liters/min., 10 min.<br>Same conditions as #11             | 4                     | 33           |
| COMMENT: Sept. 22, 1970. Weather-55°F, Wind 10 mph Northeast. |                                                                                   |                       |              |
| 3 Rock Fiber & Refiner<br>(Mezzanine Area)                    | 6:45 am - 66°F<br>2.8 liters/min., 10 min.<br>Mill making Standard Grade Product  | 4                     | 36           |
| 4 Same as #13                                                 | 7:04 am - 66°F<br>2.8 liters/min., 10 min.<br>Same conditions as #13              | 2                     | 40           |
| 5 Front End Loader                                            | 7:20 am - 55°F<br>2.8 liters/min., 10 min.<br>Wind 10 mph Northeast               | 28                    | 131          |
| 6 Same as #15                                                 | 7:35 am - 55°F<br>2.8 liters/min., 10 min.<br>Same conditions as #15              | 30                    | 124          |

## DUST SAMPLES

October 1970

| SAMPLE                                    | COMMENT                                                                                              | PARTICLE COUNT |         |
|-------------------------------------------|------------------------------------------------------------------------------------------------------|----------------|---------|
|                                           |                                                                                                      | AVE. +5M       | TOTAL   |
| 12 16<br>#1 North Fence Line              | 39<br>2:30 pm - 66°F<br>2.8 liters/min., 10 min.<br>Wind 3 mph from North                            | 3 74           | m 13 84 |
| #2 Same as #1                             | 2:45 pm - 66°F<br>2.8 liters/min., 10 min.<br>Same conditions as #1                                  | 2              | 16      |
| #3 South Fence Line                       | 3:10 pm - 68°F<br>2.8 liters/min., 10 min.<br>Wind 5 mph from North                                  | 2              | 13      |
| #4 Same as #3                             | 3:25 pm - 68°F<br>2.8 liters/min., 10 min.<br>Same conditions as #3                                  | 2              | 15      |
| #5 Rock Fiber & Refiner<br>Mezzanine Area | 5:50 pm - 68°F<br>2.8 liters/min., 10 min.<br>Making Standard Grade Product<br>Both East Doors Open. | 4              | 21      |
| #6 Same as #5                             | 6:05 pm - 68°F<br>2.8 liters/min., 10 min.<br>Same conditions as #5                                  | 2              | 21      |
| #7 Packaging Area                         | 6:25 pm - 68°F<br>2.8 liters/min., 10 min.<br>Bagging Room Door Open<br>North Door Open              | 4              | 10      |
| #8 Same as #7                             | 6:40 pm - 69°F<br>2.8 liters/min., 10 min.<br>Bagging Room Door Open<br>North Door Closed            | 3              | 18      |
| #9 Filter Press Area                      | 7:50 pm - 70°F<br>2.8 liters/min., 10 min.                                                           | 4              | 28      |
| #10 Same as #9                            | 8:05 pm - 70°F<br>2.8 liters/min., 10 min.                                                           | 2              | 15      |

Continued.....

October 1970  
Dust Samples

| <u>SAMPLE</u>                             | <u>COMMENT</u>                                                                                                                                   | <u>PARTICLE COUNT</u> |              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
|                                           |                                                                                                                                                  | <u>AVE. +5M</u>       | <u>TOTAL</u> |
| #11 Palletizing Area                      | 8:20 pm - 64°F<br>2.8 liters/min., 10 min.<br>Bagging Visbestos with Both Baggers<br>Palletizer operating, inside door open,<br>South Door Open. | 20                    | 78           |
| #12 Same as #11                           | 8:35 pm - 64°F<br>2.8 liters/min., 10 min.<br>Same conditions as #11                                                                             | 10                    | 40           |
| #13 At Bagger Operators<br>Breathing Zone | 9:00 pm - 65°F<br>2.8 liters/min., 10 min.<br>Bagging Visbestos with both baggers<br>Palletizer & wet dust return operating<br>South Door Open.  | 63                    | 173          |
| #14 Same as #13                           | 9:15 pm - 65°F<br>2.8 liters/min., 10 min.<br>Same conditions as #13                                                                             | 57                    | 123          |

GA/clg  
10-26-70

