

AIR SAMPLE ANALYSIS

Sample # 44-78

Concentration 2464 f/cc

Slide Number 44-78 Mounted on 7-5-78 Analyzed on 7-5-78

Fibers 66/2 Fields 100 Average Fibers/Field 0.33

Blank Filter:

Number \_\_\_\_\_ Fibers per \_\_\_\_\_ Fields \_\_\_\_\_ Average Fibers/Field \_\_\_\_\_

Concentration =  $\frac{(\text{Average Count of Sample} - \text{Blank Filter Count}) \times (\text{Filter Area})}{(\text{Field Area}) \times (\text{Average Flow Rate}) \times (\text{Sample Time}) \times (1000)}$

Fibers/Cubic Centimeter of Air =  $\frac{(.33 - ) (855)}{(.003) (2.0) (190.85) (1000)} = \frac{(282.15)}{(114510)} = 24639$

Microscopist Mr.

Computations By AN

PLAINTIFF'S EXHIBIT

CT-580

CTD017973

Sample # 44-78

| Concentration | F/cc |
|---------------|------|
|---------------|------|

Employee Jerry Bratch Employee # 8 Classification Janitor

Dept. Service Location/Operation Lunchroom Restroom Offices

Pump Used: ☐ Bendix C115 Serial #1003 ☒ Bendix BDX44 Serial #8-77-2322

Calibrated 4-26-78 Checked Calibration ☒ Beginning 2.0

☐ Ending \_\_\_\_\_

Sampling Medium: ☒ Filter ☒ Pad ☐ Screen ☐ \_\_\_\_\_  
Manufacturer: ☒ Millipore ☐ \_\_\_\_\_ Batch # 308223

Weather Conditions: ☐ Hot ☒ Warm ☐ Cool ☐ Steamy ☒ Humid ☐ Rainy ☐ Dry

☐ Windy    ☐ Calm    ☐ \_\_\_\_\_

Production Rate: ☐ Above Normal ☒ Normal ☐ Below Normal ☐ Machine Down

Comments: \_\_\_\_\_

Ventilation: ☐ Dust Hoods ☐ Dust Collector ☒ Windows Open ☐ Fans Operating

Air Velocity \_\_\_\_\_

Personal Protection: ☐ Disposable Respirator ☐ Permanent Respirator ☐ Power Pack

☐ White Suit    ☐ Face Shield    ☐ Hearing Protection    ☐ Head Protection

☒ Foot Protection    ☐ None    ☐ \_\_\_\_\_

Product in Process: (Furnish)\_\_\_\_\_

Comments: ☐ Beard ☐ Smoking ☐ Long Hair \_\_\_\_\_

Time Log: Time Started Pump 830 Flow Meter Reading 45895

Time Stopped Pump 12:00 Flow Meter Reading 55236

| AREA             | TIME READING        |     | MINUTES |     |       |
|------------------|---------------------|-----|---------|-----|-------|
|                  | IN                  | OUT | IN      | OUT | TOTAL |
| 10 min (to road) |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  |                     |     |         |     |       |
|                  | TOTAL SAMPLING TIME |     |         |     |       |

SAMPLER: 90 Average Air Flow 20 Exposure Time 200.85

$$\begin{array}{r} 10 \\ \hline 190.85 \end{array}$$