AIR SAMPLE ANALYSIS

Sample # 40-78

Concentration .4559 f/cc

Slide Number 40-78 Mounted on 6-24-78 Analyzed on 6-30-78

Fibers 67/2 Fields 100 Average Fibers/Field 0.335

Blank Filter:

Number _____ _____ Fibers per _____ Fields Average Fibers/Field _____

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

$$\text{Fibers/Cubic Centimeter of Air} = \frac{(.335 - \quad)\ (855)}{(.003)\ (2.0)\ (104.71)\ (1000)} = \frac{(286.43)}{(628.26)} = .4559$$

Microscopist M.

Computations By [illegible]

PLAINTIFF'S EXHIBIT

CT-576

CTD017964

Date [illegible]/18 [illegible] Sample # [illegible]

Time 6:30 am pm

☑ Personal ☐ Environmental Concentration F/[illegible]

Employee George Kelly Employee # 12 Classification Lathe Operator

Dept. 902 Location/Operation Finishing #1 Lathe

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 ☐ wearing boots -

Product in Process: (Furnish) 6" 150

Comments: ☐ Beard ☐ Smoking ☐ Long Hair water on floor - leaking from roof - employee stands near leak

Time Log: Time Started Pump 6:35 Flow Meter Reading 24758

Time Stopped Pump 8:30 Flow Meter Reading 29784

AREA	TIME READING IN	TIME READING OUT	MINUTES IN	MINUTES OUT	TOTAL
	TOTAL SAMPLING TIME				

SAMPLER: JW Average Air Flow 2.0 Exposure Time 104.71

CTD017965