

AIR SAMPLE ANALYSIS

Sample # 64-78

Concentration 1.6294/cc

Slide Number 64-78 Mounted on 7/13/78 Analyzed on 7-14-78

Fibers 118 1/2 Fields 100 Average Fibers/Field 0.59

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 = $\frac{(.59 -) (855)}{(.003) (1.72) (60.0) (1000)} = \frac{(504.45)}{(309.6)} = 1.6294$

Microscopist MS

Computations By JD

PLAINTIFF'S EXHIBIT

CT-597

CTD018033

Date: 8/18/78

Time: 10:24 ^{am} pm

☐ Personal ☒ Environmental

Concentration _____ F/c _____

Employee _____ Employee # _____ Classification _____

Dept. 902 Location/Operation Crusher Nework Area

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

☐ _____

Calibrated _____ Checked Calibration ☒ Beginning 1.85

☐ 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) floor dusty in this area Finishing 10/11/78

Comments: ☐ Beard ☐ Smoking ☐ Long Hair 3rd near dust collecting box in crush
nework area 3' transfer Blower near post 2'

Time Log: Time Started Pump 10:24 Flow Meter Reading _____

Time Stopped Pump 11:24 Flow Meter Reading _____

AREA	TIME READING		MINUTES		TOTAL
	IN	OUT	IN	OUT	
<u>Crusher in operation</u>					
<u>hopper full of dust sitting on other side of hopper</u>					
<u>10:30 Lunch Break</u>					
<u>no employees in general area till 11:00</u>					
<u>Nework not in operation</u>					
TOTAL SAMPLING TIME					

SAMPLER: AD Average Air Flow 1.72 Exposure Time 60 min

CTD018034