

AIR SAMPLE ANALYSIS

Sample # 65-78

Concentration .6076 f/cc

Slide Number 65-78 Mounted on 7-13-78 Analyzed on 7-14-78

Fibers 88/2 Fields 100 Average Fibers/Field 0.44

Blank Filter:

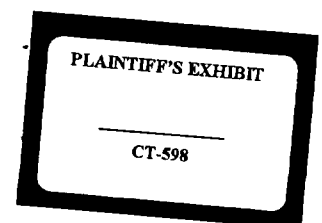
Number _____ Fibers per _____ Fields _____ Average Fibers/Field _____

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 = $\frac{(.44 -) (855)}{(.003) (1.72) (120) (1000)} = \frac{(376.2)}{(619.2)} = .60755$

Microscopist Klo

Computations By KL



CTD018035

Date

6/9/78
11:24

AIR SAMPLING DATA SHEET

Sample #

65-78

Time

☐ Personal ☒ Environmental

Concentration

Employee

Clock #

Job Classif.

Dept.

902

Location/Operation

Crusher / Rework Area

Pump Used:

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

Calibrated

Checked Calibration ☐ Beginning☐ Ending

Sampling Medium:

☒ Filter ☐ Pad ☐ ScreenManufacturer: ☒ Millipore

Batch # 308223

Weather Conditions:

☐ Hot ☐ Warm ☒ Cool ☐ Steamy ☐ Humid ☒ Rainy ☐ Dry☐ Windy ☐ Calm

Production Rate:

☐ Above Normal ☒ Normal ☐ Below Normal ☐ Machine Down

Comments: dust collection system down

Ventilation:

☐ Dust Hoods ☐ Dust Collector ☐ Windows Open ☐ Fans Operating

Air Velocity

Personal Protection:

☒ Disposable Respirator ☐ Permanent Respirator ☐ Power Pack

2 workers

☐ White Suit ☐ Face Shield ☐ Hearing Protection ☒ Head Protection☒ Foot Protection ☐ None ☐ gloves

Product in Process: (Furnish)

5' from post near hopper Box

Comments:

☐ Beard ☐ Smoking ☐ Long Hair

Rework saw in operation Crusher not in operation

Time Log:

Time Started Pump

11:24

Flow Meter Reading

Time Stopped Pump

1:24

Flow Meter Reading

AREA

TIME READING

IN

OUT

MINUTES

IN

OUT

TOTAL

saw down 11:30 - 11:40

Dust collector off crew emptying into hopper outside

Crusher & dust system down 11:30 - 11:45

TOTAL SAMPLING TIME

SAMPLER:

QD

Average Air Flow

1.77

Exposure Time

20

CTD018036