PLAINTIFF'S EXHIBIT
FOS-764

FOSECO MINSEP INC.

AIR SAMPLE/SURVEY DATA SHEET

Plant [illegible] Date 8/20/75 Time 202 AM (PM)

Bldg. [illegible] Dept. [illegible]

Location [illegible]

Description of Sampling Area/Operations: [illegible]

Air Sampler: Type MSA S/N B-07-0350

Sampling Data:

Sample No. CL-1 Blank No. CL BL

Contaminant(s) Sampled [illegible]

Type: Area( ) Personal(✓) [illegible] ( )

Flow Meter Setting 8 Sampling Rate 3.1

Time: [illegible] to [illegible] Total [illegible] min.

Volume 27 X 23 = 621 [illegible] Sampled By [illegible]

Sample Analysis:

Weight: Tare 4.255 Gross 6.261 Net 2.006 mg

Results 32.4 mg/m^3 Date 8/22/75

Comments loose dust in cassette added to filter.

Survey Comments: If we assume the "free silica" content of the dust sampled was 10%, the permissible would be approx. 2.5 mg/m^3 (OSHA). If it had no free silica, the nuisance dust permissible of 15 mg/m^3 (OSHA) would apply. The 8-hr TWA may or may not be over 15, but is probably over 2.5 mg/m^3.

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FOSECO MINSEP INC.

AIR SAMPLE/SURVEY DATA SHEET

Plant Cleveland Date 8-20-75 Time 2:23 PM

Bldg. — Dept. 08

Location Pulp Platform - Pulper #3

Description of Sampling Area/Operations: Dellashmitt - Pulper Mixed 1 EP 5672P batch. 600 lbs. DM131D (silica) dropped into weigh hopper from bulk silica system. Batch included fiberglass & wollastonite, and K&T clay (74C). Air flow on platform moderate - from left to right. The pulper to his left was not mixing any mixes during the test. The bulk (ove

Air Sampler: Type MSA S/N B-10-0354

Sampling Data:

Sample No. CL-2 Blank No. CL-B1

Contaminant(s) Sampled General dust - silica

Type: Area( ) Personal (X) ( )

Flow Meter Setting 7 Sampling Rate 2.2

Time: 2:23 to 2:39 Total 16 min.

Volume 35.2 l Sampled By T. Whelan

Sample Analysis:

Weight: Tare 4.401 Gross 4.853 Net 0.452 mg

Results 12.8 mg/m^3 Date 8/22/75

Comments no loose dust in cassette, filter paper not overloa all other filters (samples) were over loaded (silica dust sample

Survey Comments: Result was below OSHA nuisance dust permissible of 15 mg/m^3, but if "free silica" content was at least 5% (previous survey result for platform), silica permissible would be 4.3 mg/m^3. Sample not considered good average by surveyor due to short sample time and changing conditions.

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silica system was not especially dusty, at least not at the pulper, or where the man was standing.

Sampling time should be considerably longer to pick up sweeping, shuffling of bags, mixing with the pulper to the left also mixing, mixing with bags of silica, etc.

FOS-00-0000003677

FOSECO MINSEP INC.

AIR SAMPLE/SURVEY DATA SHEET

Plant Cleveland Date 8/20/75 Time 2:10 AM (PM)

Bldg. _____ Dept. 06 Pulping Platform

Location 20200 Sheldon Road Brookpark Ohio

Description of Sampling Area/Operations: Operator - Nathaniel Stallworth
Non-asbestos mixing operations, silica; mezzanine
Operator wearing face mask. Work activity:
bags Loading rework - 7 minutes
Shoveling, sweeping - 4 minutes
{Open face} Tow motor & materials handling - 21 minutes
{Cassette} → Sleeve rework loading - 5 minutes

Air Sampler: Type MSA Portable Pump S/N B-08-0145

Sampling Data:

Sample No. CL-3 Blank No. CL-B1

Contaminant(s) Sampled Silica and Nuisance Dust

Type: Area( ) Personal (X) _____ ( )

Flow Meter Setting 7 Sampling Rate 2.2 l/min

Time: 2:13 P.M. to 2:50 P.M. Total 37 min.

Volume 81.4 l Sampled By A.R. Wolf

Sample Analysis:

Weight: Tare 4.060 Gross 5.721 Net 1.661 mg

Results 20.4 mg/m³ Date 8/22/75

Comments loose dust in cassette was added to filter.

Survey Comments: Ventilation - Fan for cross ventilation
During morning hours, operator mentioned that there is more dust in the morning when new, non-rework raw materials are used.

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Raw materials - Alumino silicate fiber, paper
Wollastinite, Silica.

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Survey Comments: Result was over OSHA nuisance dust permissible of 15 mg/m^3. Dust probably had some "free silica" content, but would be too difficult to estimate. If more dust in AM, 8-hr TWA is probably over 20.4 mg/m^3.

FOSECO MINSEP INC.

AIR SAMPLE/SURVEY DATA SHEET

Plant Clive Date 8/20/75 Time ____ AM PM

Bldg. Main plant Dept. 04

Location ~~Platform Station~~ Exothermic Blending Area

Description of Sampling Area/Operations: Exothermic Blending Area

Air Sampler: Type B-10-0304 S/N ____

Sampling Data:

Sample No. CL 4 Blank No. CL-BL

Contaminant(s) Sampled ____

Type: Area( ) Personal(X) ____ ( )

Flow Meter Setting 6 Sampling Rate 2.0 l/min

Time: 2:27 to 2:54 Total 27 min.

Volume 54 liters Sampled By R.A. Greiner

Sample Analysis:

Weight: Tare 3,865 Gross 5,339 Net 1,474 mg

Results 27.3 mg/m³ Date 8/22/75

Comments loose dust in cassette added to filter, filter was rubbed but not torn.

Survey Comments: At time of hook-up, blender already charged. Blender stopped + operator in area by when sample taken. During test, operator up+down from platform to floor. Operator left area to get broom + shovel.

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~~Purpose~~ An R+D preparation of Profax 770 was being carried out by operator + a technical man.

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SEE COMMENTS ON BACK

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Survey Comments: Result was over OSHA nuisance dust permissible of 15 mg/m^3.

Not enough RM data to make estimate if "free silica" was present.

Operation was <u>not</u> typical, R & D was in progress.

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AIR SAMPLE/SURVEY DATA SHEET

Plant Cleveland Date 8-20-75 Time 2:07 - 2:18 PM

Bldg. ——— Dept. 08 -

Location Pulp Platform - Pulper #6

Description of Sampling Area/Operations: Pulper - Louie Mixed 2 FP 465 batches - one after the other. Draft & fan blew all dust to his right, as the air movement from left to right was fast. Louie had to get 25 feet to his right to get the Rom (asbestos) 265A. It was 40 lbs. in split bags. No loose asbestos was used in these 2 mixes, but the pulper &

Air Sampler: Type MSA S/N B-10-0354

Sampling Data:

Sample No. CL-13 Open-face cassette Blank No. N.A.

Contaminant(s) Sampled Asbestos

Type: Area( ) Personal (X) (Louie) ( )

Flow Meter Setting 7 Sampling Rate 2.1

Time: 2:07 to 2:18 Total 11 min.

Volume 23.1 ℓ Sampled By T. Nikolau

Sample Analysis:

Weight: Tare ——— Gross ——— Net ———

Results 30.3 fibers/ml. Date 8/26/75

Comments Sample had some fiberglass which was not included in fiber count.

Survey Comments: Result was over OSHA asbestos 8-hr permissible of 5, and also over permissible max. of 10 fibers/cc. Operator, however, walked into draft with open split bag of asbestos which possibly blew some asbestos onto filter. As stated, longer sample would be needed to make more valid assessment, especially regarding 8-hr TWA. If we assume operator breathed some concentration filter collected, max. permissible was exceeded.

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carried the asbestos to his pulper into the air draft. RM 131D-silica added from bags. Recipe also had fiberglass (X3558); but no wollastonite (X3562).

The air movement from left to right was very strong and strongly influenced the result. A considerable amount of the excess dust & fiber blew down on the next pulper about 25 feet to his right.

Normally mixes __ batches of EP 4651 on each shift. This test should be longer to be more representative of what the man is normally exposed to daily.

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