

Georgia-Pacific

intracompany memo



PLAINTIFF'S
EXHIBIT

GP-253

to Mr. G. E. Wilson
from J. R. Hurd
subject Asbestos Standards

location Portland
location Portland
date May 13, 1976

On March 4, 1976 the New York Times published an article titled, "Agency Assailed by Ford Defers New Safety Rules Till After Election". This article indicated that the permissible exposure to airborne concentrations of asbestos fibers, which was to be reduced to two fibers longer than five micrometers per cubic centimeter of air from five fibers on July 1, 1976, had been moved to a new effective date of February, 1977.

I have checked this change with the Regional office of OSHA in Atlanta. Mr. C. M. Brown, Associate Assistant Regional Director, in turn checked with the Washington office and reported that this article was false. The change to the 8-hour time-weighted average airborne concentrations of two fibers will still become effective on July 1, 1976.

From the latest dust monitoring done at each of our joint system operations, it appears we are in excellent shape to comply with the new standards.



J. R. H.

JRH/cw

cc: Messrs. J. A. Brandrup - Tigard Lab
O. E. Burch
D. C. Corkill
G. W. Green - Tigard Lab
E. B. Hollingsworth - Wilm., DE - Gypsum
C. W. Lehnert - Tigard Lab
H. W. Peele - Wilm., DE - Gypsum
T. W. Richards - Tigard Lab

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GYP SUM DIVISION

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to	Mr. C. W. Lehnert	location	Tigard Lab
from	O. E. Burch	location	Portland
subject	<u>ASBESTOS STANDARDS</u>	date	May 14, 1976

Re: J.R.Hurd's memo of 5/13/76

Although our plants may comply with the two fiber ruling we have no assurance that the applicators will be able to live with a product containing asbestos fiber after July 1st. Several have indicated to me that they cannot.

We may find ourselves, depending on how rigid OSHA becomes, meeting applicable standards at our plants but unable to move the product into the marketplace. In my opinion this will not happen unless OSHA cracks down hard on the applicators, but we should recognize the possibility does exist.

I feel we should have a product, ready to market by July 1st, at all plants. I would welcome any input from those copied.

OEB/mf

O.E.B.

CC: Messrs. G. E. Wilson - Portland
D. C. Corkill - Portland
J. R. Hurd - Portland
T. W. Richards - Tigard Lab
E. B. Hollingsworth - Wilm Del Gyp

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Company memo

Mr. G. W. Green

location Tigard

G. F. Fowler

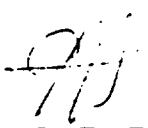
location Marietta

Subject Milford Sampling for Ceiling Limits

date May 28, 1976

On May 17 the Milford Plant was sampled for ceiling limits of asbestos fibers. Normal production was underway. The sample taken at the dry mix area was during one dump cycle. Their regular dry mix man was not present, so [redacted] was taking his place.

According to plant personnel, a new dust collecting system was in operation.


G. F. F.

GFF/gvp

MILFORD, VIRGINIA JOINT CEMENT PLANT
AIRBORNE ASBESTOS DUST SURVEY

Date Sampled: May 17, 1976

Name	Location or Job Title	Time Weighted Average Fiber/ml	Filter No.	Elapsed Time Mins.	Individual Coun Fiber/ml
	Dry Mix #2	--	440	15	1.00
1	Stacker- Fork Truck	--	436	15	.47
	Dry Mixer	--	444	15	1.32
	Lidder	--	434	15	.90
	Wet Mix	--	427	15	1.16

AIRBORNE ASBESTOS FIBER SAMPLING

Plant Milford

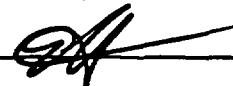
Date 5-17-76

Name _____

Pump Serial No. B-06-0422

Title DRY Mix #2

Sampled by George Fowler

Signature 

LOCATION	DRY Mix Area				
FILTER NO.	440				
FLOW:					
Pump Setting	6				
Liter/min (R)	1.7				
TIME:					
On	1:47				
Off	2:02				
ELAPSED TIME (min) (t)	15				
VOLUME, Liters (t x r)	25.5				
REMARKS					
CONCENTRATION (F) fibers/ml	1.00				

Total Sample Time (T) _____ mins.

Time Weight Av. Concentration = $\frac{(t_1 F_1) + (t_2 F_2) + (t_3 F_3) + \dots}{T}$

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AIRBORNE ASBESTOS FIBER SAMPLING

Plant Milford

Date 5-17-76

Name N

Pump Serial No. B-06-0288

Title STACKER - Fork Truck

Sampled by George Fowler

Signature [Signature]

LOCATION	Fork Truck				
FILTER NO.	436				
FLOW:					
Pump Setting	6				
Liter/min (R)	1.7				
TIME:					
On	1:35				
Off	1:50				
ELAPSED TIME (min) (t)	15				
VOLUME, Liters (t x r)	25.5				
REMARKS					
CONCENTRATION (F) fibers/ml	.47				

Total Sample Time (T) _____ mins.

Time Weight Av. Concentration = $\frac{(t_1 F_1) + (t_2 F_2) + (t_3 F_3) + \dots}{T}$

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AIRBORNE ASBESTOS FIBER SAMPLING

Plant Milford

Date 5-17-76

Name

Pump Serial No. B-06-0305

Title dry mixer

Sampled by George Fowler

Signature *GF*

LOCATION	DRY mix area				
FILTER NO.	444				
FLOW:					
Pump Setting	6				
Liter/min (R)	1.8				
TIME:					
On	1:39				
Off	1:54				
ELAPSED TIME (min) (t)	15				
VOLUME, Liters (t x r)	27				
REMARKS					
CONCENTRATION (F) fibers/ml	1.32				

Total Sample Time (T) _____ mins.

Time Weight Av. Concentration = $\frac{(t_1 F_1) + (t_2 F_2) + (t_3 F_3) + \dots}{T}$

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AIRBORNE ASBESTOS FIBER SAMPLING

Plant Milford

Date 5-17-76

Name

Pump Serial No. R-74-0799

Title Lidder

Sampled by George Fowler

Signature *GF*

LOCATION	Lidder				
FILTER NO.	434				
FLOW:					
Pump Setting	6				
Liter/min (R)	1.9				
TIME:					
On	1:42				
Off	1:57				
ELAPSED TIME (min) (t)	15				
VOLUME, Liters (t x r)	28.5				
REMARKS					
CONCENTRATION (F) fibers/ml	.90				

Total Sample Time (T) _____ mins.

Time Weight Av. Concentration =
$$\frac{(t_1 F_1) + (t_2 F_2) + (t_3 F_3) + \dots}{T}$$

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AIRBORNE ASBESTOS FIBER SAMPLING

Plant Milford

Date 5-17-76

Name _____

Pump Serial No. B-08-0490

Title WET mix

Sampled by George Fowler

Signature *GF*

LOCATION	wet mix area				
FILTER NO.	427				
FLOW:					
Pump Setting	6				
Liter/min (R)	1.70				
TIME:					
On	1:45				
Off	2:00				
ELAPSED TIME (min) (t)	15				
VOLUME, Liters (t x r)	25.5				
REMARKS					
CONCENTRATION (F) fibers/ml	1.16				

Total Sample Time (T) _____ mins.

Time Weight Av. Concentration =
$$\frac{(t_1 F_1) + (t_2 F_2) + (t_3 F_3) + \dots}{T}$$

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Date: 10/17/77

ASBESTOS FIBER COUNT WORKSHEET

SAMPLE NO. 440

ELAPSED TIME (t) 15 mins.

FLOW RATE 1.7 l/min

VOLUME (V) 25.5 liters

FIELD AREA (a) 00432 mm²

BLANK COUNT (b) 0 fibers/field

FILTER AREA (A) 855 mm²

AV. FIBER COUNT (f) .13 fibers/field

0	1	1	1	1	1
	1	1	1		
	1				
	1				
	1		1		
	1				
5					1
		1		1	
		1		1	
		1		1	
10					1
		1			
		1			
		1			
15	1	1	1	1	1
	1	1	1	1	1
	1	1		1	1
	1	1		1	1
20		1		1	
SUBTOTALS	1	4	3	2	3

TOTAL 13

$$\text{Constant } k = \frac{A}{1000 a} = 198$$

$$\text{Fiber Concentration (F)} = \frac{k (f-b)}{V} = \frac{198 (.13 - 0)}{25.5} = 1.00$$

Date: 1-2-71

ASBESTOS FIBER COUNT WORKSHEET

SAMPLE NO. 4130 ELAPSED TIME (t) 15 mins.
FLOW RATE 1.7 l/min VOLUME (V) 25.5 liters
FIELD AREA (a) .00432 mm² BLANK COUNT (b) 0 fibers/field
FILTER AREA (A) 855 mm² AV. FIBER COUNT (f) .06 fibers/field

0				
5				
10				
15				
20				

SUBTOTALS 3 1 0 5 7 TOTAL _____

Constant $k = \frac{A}{1000 a} = 198$

Fiber Concentration (F) = $\frac{k (f-b)}{V} = \frac{198 (.06 - 0)}{25.5} = .47$

Date: 1-5-76

ASBESTOS FIBER COUNT WORKSHEET

SAMPLE NO. 444

ELAPSED TIME (t) 15 mins.

FLOW RATE 1.8 l/min

VOLUME (V) 27 liters

FIELD AREA (a) 0.0432 mm²

BLANK COUNT (b) 0 fibers/field

FILTER AREA (A) 855 mm²

AV. FIBER COUNT (f) .18 fibers/field

0	0	0	0	0	
	0	0	0	0	1
	0	0	2	1	0
	0	0	0	0	
	0	0	0	0	
	1	0	0	0	
5	1	0	1	0	
	0	0	0	1	
	0	0	0	0	0
	1	0	0	1	1
	1	0	0	0	0
10	0	0	0	0	
	1	0	0	0	1
	1	0	0	0	0
	0	0	0	0	0
15	0	1	0	0	0
	0	0	0	0	1
	0	0	0	0	0
	0	0	0	1	0
20	0	0	0	0	

SUBTOTALS

6 1 3 3 5 TOTAL 18

Constant k = $\frac{A}{1000 a} = 198$

Fiber Concentration (F) = $\frac{k (f-b)}{V} = \frac{198 (.18 - 0)}{27} = 1.32$

Date: 6-5-55

ASBESTOS FIBER COUNT WORKSHEET

SAMPLE NO. 4134

ELAPSED TIME (t) 15 mins.

FLOW RATE 1.9 l/min

VOLUME (V) 28.5 liters

FIELD AREA (a) .00432 mm²

BLANK COUNT (b) 0 fibers/field

FILTER AREA (A) 855 mm²

AV. FIBER COUNT (f) .13 fibers/field

0					
5					
10					
15					
20					

SUBTOTALS 1 3 4 4 1 TOTAL 3

Constant $k = \frac{A}{1000 a} = 198$

Fiber Concentration (F) = $\frac{k (f-b)}{V} = \frac{198 (.13 - 0)}{28.5} = .90$

Date: 1-15-77

ASBESTOS FIBER COUNT WORKSHEET

SAMPLE NO. 427

ELAPSED TIME (t) 15 mins.

FLOW RATE 1.70 l/min

VOLUME (V) 25.5 liters

FIELD AREA (a) 100432 mm²

BLANK COUNT (b) 0 fibers/field

FILTER AREA (A) 855 mm²

AV. FIBER COUNT (f) 1.15 fibers/field

0	1	1	1	1	1
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
5	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
10	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
15	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
20	0	0	0	0	0

SUBTOTALS 3 3 3 3 3 TOTAL 15

Constant $k = \frac{A}{1000 a} = 198$

Fiber Concentration (F) = $\frac{k (f-b)}{V} = \frac{198 (1.15-0)}{25.5} = 1.16$