UC 149-2

PLAINTIFF'S EXHIBIT
UC-4344

UNION CARBIDE INTERNAL CORRESPONDENCE

METALS DIVISION • P. O. BOX 579 · 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 14302

To (Name) Mr. E. W. Shortridge
Division UCC - Metals
Location King City, California

Date May 10, 1978

Originating Dept. "Calidria" Asbestos

Answering letter date

Copy to Messrs. R. E. Byrne, Jr.
B. L. Ingalls
P. W. McDaniel
J. L. Myers
H. B. Rhodes
W. C. Thurber
File

Subject Airborne Asbestos Counts for Union Carbide Corporation, King City, California

Ceiling counts performed at the Niagara Falls laboratories on short-term samples obtained April 10-17 at King City are attached.

As results become available, a periodic summary will be issued. A final report will be issued upon completion of the cooperative monitoring program.

Glenda J. Spencer

GJS/rmm
Attachment

X410543

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/1

AIRBORNE ASBESTOS COUNTS

for

Union Carbide Corporation
King City, California

Date Sampled:	April 10, 11, 13 & 17, 1978
Date Reported:	May 2, 1978

Samples Collected By:	Union Carbide Corporation King City, California
Samples Analyzed By:	Glenda J. Spencer Union Carbide Corporation
Reported By:	Glenda J. Spencer Union Carbide Corporation

Union Carbide Corporation
Metals Division
Niagara Falls, New York

X410544

SAMPLE EQUIPMENT AND TEST PROCEDURES

Sampling and dust counting were carried out in accordance with OSHA Regulation 1910.1001, using the Bayer, Zumwalde and Brown method for counting asbestos fibers by phase contrast microscopy (Bureau of Occupational Safety and Health, Feb. 1969).

Battery-powered air pumps (M.S.A. type), calibrated to 2 liters per minute, were used to collect personal breathing zone and environmental samples on Millipore membrane filters of 0.8 micron porosity.

Fiber counting was performed on a Nikon phase contrast microscope at 400X utilizing a Porton reticle for sizing and field definition.

Two results have been reported for each sample - they are:

1. Chrysotile Asbestos - Any fiber having an aspect ratio ≥3 and a length ≥5μ that is in the operator's judgement chrysotile. In the event of doubt and in the absence of further information, any fiber having the above physical dimensions will also be counted as chrysotile.

2. Possible Amphibole Asbestos - Any fiber having an aspect ratio ≥3 and a length ≥5μ that is not obvious to be material other than asbestos. This includes all amphiboles and material similar in appearance.

COMMENTS

The OSHA regulations permit a maximum limit of 2 fibers greater than 5 microns in length per cubic centimeter of air sampled on an 8-hour, time-weighted average (TWA). The formula $\frac{C_1T_1 + C_2T_2 + C_nT_n}{\Sigma T}$ describes the TWA

where C = fiber count in fibers/cc and T = time.

The regulations also stipulate a ceiling concentration of 10 fibers/cc greater than 5 microns which is not to be exceeded at any time.

TEST RESULTS

The details of sample collection and resultant fiber counts are listed in the attached table(s).

X410545

Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for K... Published by AsbestosClaims.Law
ACL Doc 18922 · Page 3 of 103 asbestosclaims.law/library/18922/3

OBJECTIVE

To monitor airborne asbestos emissions at the subject company's production facilities during the bagging of "Calidria" RG-244 asbestos.

DESCRIPTION

Operation included the bagging, shrink-wrapping and palletizing of RG-244 and the transfer of pallets to storage area. Personal samples were obtained April 10, 11, 13 and 17, 1978 (refer to attached descriptions which were submitted by King City).

X410546

Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for K... Published by AsbestosClaims.Law
ACL Doc 18922 · Page 4 of 103 asbestosclaims.law/library/18922/4

Sample No.	Air Sample Time	Minutes	Operation Description	Airborne Fiber Count (fibers/cc >5u) Chrysotile Asbestos	Possible Amphibole Asbestos
			April 10, 1978		
3-1-10	On: 2:37 Off: 3:37	60	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244, and during the transfer of pallets to storage area. Located indoors (north door open) - 15-20 mph wind from north.	3.4	0
3-2-10	On: 3:39 Off: 4:28	49	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244, and during the transfer of pallets to storage area. Located indoors (north door open) - 15-20 mph wind from north.	1.7	0
			April 11, 1978		
3-1-11	On: 8:52 Off: 9:52	60	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244 and during the transfer of pallets to storage area. Located indoors - no wind.	1.9	0
3-2-11	On: 9:54 Off: 11:00	66	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244 and during the transfer of pallets to storage area. Located indoors - no wind.	2.4	0
			April 13, 1978		
1-1-13	On: 9:25 Off: 10:25	60	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244 and during the transfer of pallets to storage area. Located indoors - no wind.	5.0	0
1-2-13	On: 10:28 Off: 11:28	60	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244 and during the transfer of pallets to storage area. Located indoors - no wind.	4.5	0
			April 17, 1978		
1-1-17	On: 8:41 Off: 9:53	72	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244 and during the transfer of pallets to storage area. Located indoors - no wind.	0.9	0
1-2-17	On: 9:55 Off: 11:04	69	Personal - (bagger operator) during bagging, shrink-wrapping and palletizing of RG-244 and during the transfer of pallets to storage area. Located indoors - no wind.	0.9	0

X410547

Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for K...
Published by AsbestosClaims.Law
ACL Doc 18922 · Page 5 of 103
asbestosclaims.law/library/18922/5

(1)

RG-244 Bagger operator

.0625 X 1000 X MIN / area of each field

DATE 4-10-78 N	SAMPLING TIME START	END	ELAPSED (MIN)	WORK DONE	COUNTING 1	2	3	4	5	6	CALCULATIONS C (AVE)	B (AVE)	C-B	C-B / LPM 1.4	X FACTOR	AVE. +5% / ML.
3-1	2:37	3:37	60	Bagged Product.												
3-2	3:39	4:28	49	same as above.												

Conditions: full bagging - shrink-wrapping, Palletizing, operating for RG-244.
North door open, clear - warm day, 15-20 mph wind from North.
Moved Pallets from RG-244 bagging room to storage area and brought samples to LABORATORY.

X 4105 48

(2)

RG-244 Bagger operator

Factor = $\frac{397.61/mm2}{.0625 \times 1000 \times min}$ ← area of each field

DATE 4/11/78	SAMPLING TIME START	END	ELAPSED (MIN)	WORK DONE	COUNTING 1	2	3	4	5	6	CALCULATIONS C (AVE)	B (AVE)	C-B	C-B / LPM 1.4	X FACTOR	AVE. +5 Hr / ML.
B-1	8:52	9:52	60	Bagged Product.												
B-2	9:54	11:00	66	Same as above.												

Conditions: 1) Same as 4-10-78

2) No wind, cloud - fog to clear day.

X 4.10.54

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/7
Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for K...
ACL Doc 18922 · Page 7 of 103

(3)

RG-244 Bagger Operator

SAMPLING TIME					COUNTING						CALCULATIONS					
DATE 4/12/78	START	END	ELAPSED (MIN.)	WORK DONE	1	2	3	4	5	6	C (AVE)	B (AVE)	C-B	$\frac{C-B}{LPM\ 1.4}$	X FACTOR	AVE. +5 μ/ML.
1-1	9:25A	10:25A	60	Bagged Product.												
1-2	10:28A	11:28A	60	same as above.												
	Conditions:			1) Same as 4-10-78												
				2) No wind, cloud all day.												

4-10-78

Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for K...
ACL Doc 18922 · Page 8 of 103
Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/8

(4)

RG.244 Bagger Operator

SAMPLING TIME					COUNTING						CALCULATIONS					
DATE 4/17/78	START	END	ELAPSED (MIN)	WORK DONE	1	2	3	4	5	6	C (AVE)	B (AVE)	C-B	C-B / 4pm 1.4	X FACTOR	AVE. +5 W/ ML.
1-1	8:41A	9:53A	72	Bagged Product.												
1-2	9:55A	11:04A	69	Same as above.												
				Conditions: 1) Same as 4-10-78												
				2) No wind, clear day.												

X41,065-1

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/9
Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for K...
ACL Doc 18922 · Page 9 of 103

(1)

RG-244 Bagger operator

FACTOR = $\frac{397.61 \text{ in m}^2}{.0625 \times 1000 \times \text{MIN}}$ ← area of each field

DATE 4-10-78 Z	SAMPLING TIME START	END	ELAPSED (MIN.)	WORK DONE	COUNTING 1	2	3	4	5	6	CALCULATIONS C (AVE)	B (AVE)	C-B	$\frac{C-B}{LPM \times 1.4}$	X FACTOR	AVE. +5μ/ML.
3-1	2:37	3:37	60	Bagged Product.												
3-2	3:39	4:28	49	same as above.												

Conditions: full bagging - shrink-wrapping, Palletizing, operating for RG-244.
North door open, clear - warm day, 15-20 mph wind from North.
Moved Pallets from RG-244 bagging room to storage area and brought samples to LABORATORY.

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/10
Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for...
ACL Doc 18922 · Page 10 of 103

(2)

RG-244 Bagger operator

Factor = $\frac{397.61 \text{ mm}^2}{.0625 \times 1000 \times \text{min. N}}$
area of each field

DATE 4/11/78	SAMPLING TIME START	END	ELAPSED (MIN)	WORK DONE	COUNTING 1	2	3	4	5	6	CALCULATIONS C (AVE)	B (AVE)	C-B	$\frac{C-B}{LPM \times 1.4}$	X FACTOR	AVE. + 5% / ML.
3-1	8:52	9:52	60	Bagged Product.												
3-2	9:54	11:00	66	Same as above.												

Conditions: 1) Same as 4-10-78

2) NO wind, cloud - fog to clear day.

XTRA 0552

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/11
Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for...
ACL Doc 18922 · Page 11 of 103

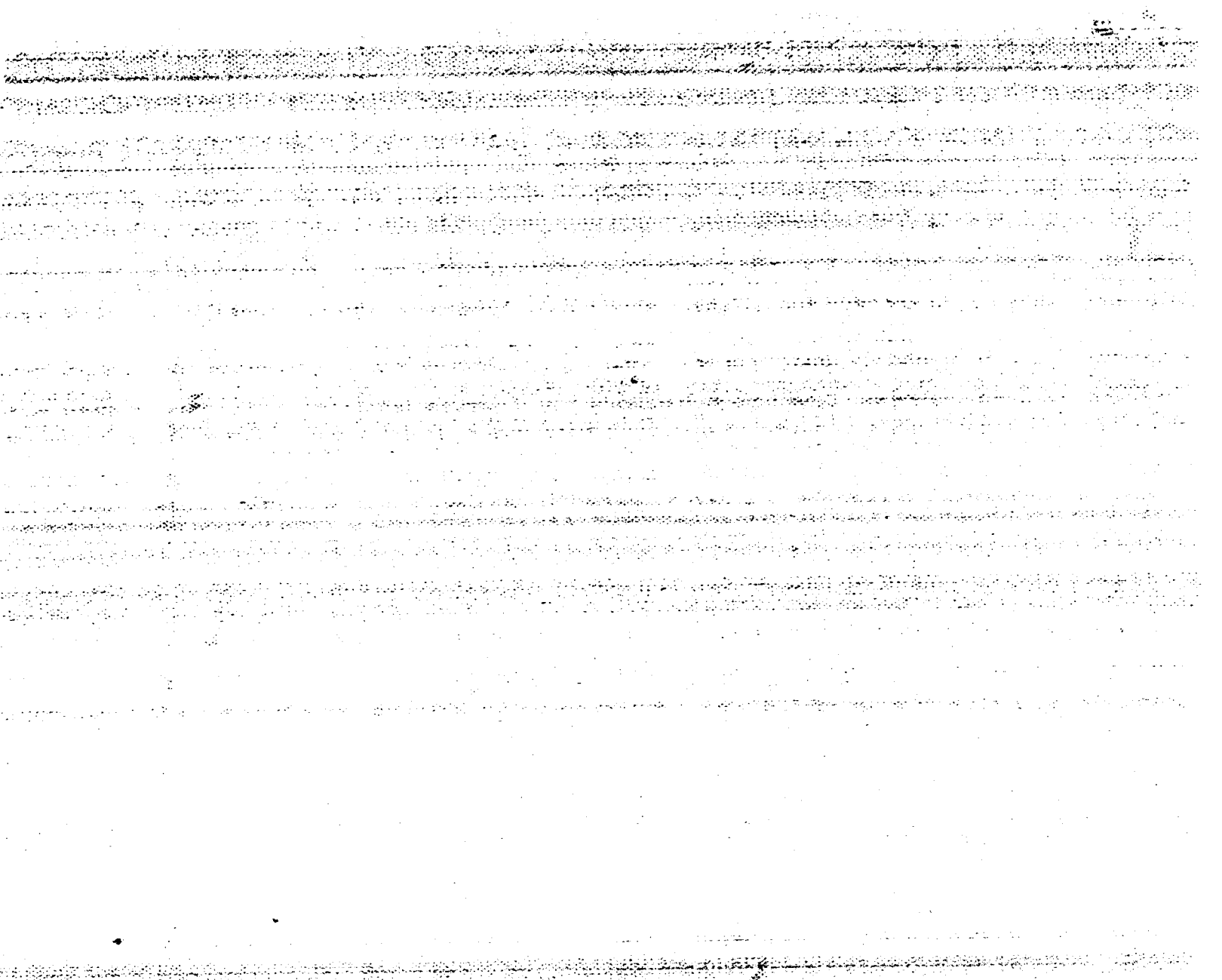
(3)

RG.204 Bagger Operator

DATE 4/12/78	SAMPLING TIME START	END	ELAPSED (MIN.)	WORK DONE	COUNTING 1	2	3	4	5	6	CALCULATIONS C (AVE.)	B (AVE.)	C-B	$\frac{C-B}{\frac{LPM}{1.4}}$ X FACTOR	AVE. + 5μ/ML.
1-1	9:25A	10:25A	60	Bagged Product.											
1-2	10:28A	11:28A	60	same as above.											
	Conditions:			1) Same as 4-10-78											
				2) No wind, cloud all day.											

X41,055-4

Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for...
ACL Doc 18922 · Page 12 of 103
Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/12



Union Carbide trial exhibit UC-4344: G. J. Spencer to E. W. Shortridge Transmitting Airborne Asbestos Counts for...
ACL Doc 18922 · Page 14 of 103

4

RG. 2 u/c Bagger Operator

SAMPLING TIME				WORK DONE	COUNTING						CALCULATIONS					
DATE 4/17/78	START	END	ELAPSED (MIN)		1	2	3	4	5	6	C (AVE)	B (AVE)	C-B	C-B / 4pm / 1.4	X FACTOR	AVE. + 5 µ/ML.
1-1	5:41A	9:53A	72	Bagged Product.												
1-2	9:55A	11:04A	69	Same as above.												
				Conditions: 1) Same as 4-10-78												
				2) No wind, clear day.												

X 4110556

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/14

4/11/78

air sample from Glenda

0.87 AVERAGE COUNT fiber

JCS

X410556

King City (3.4)

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-1-(10) DATE 4-27-78 MICROSCOPIST GS

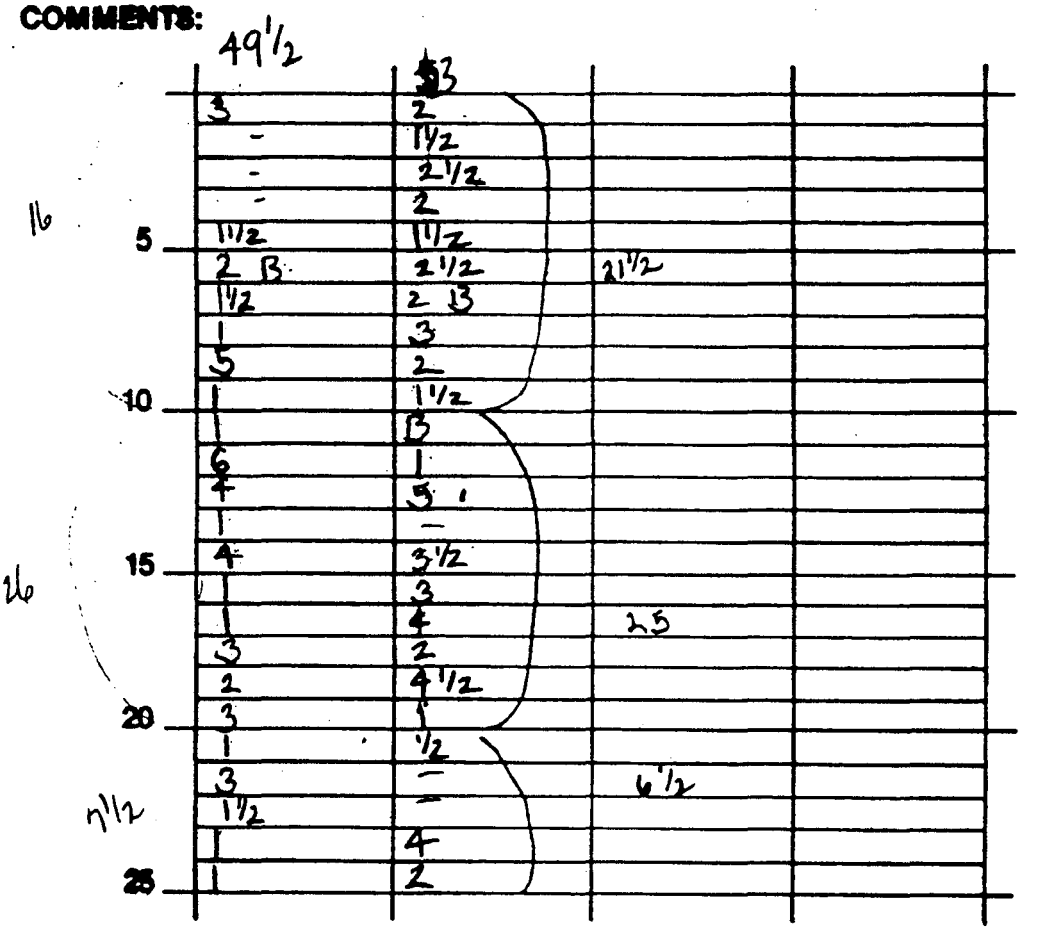
FLOW 1.4 TIME 60 VOLUME 84,000

OPTICS PC MAG. 400 FIELD AREA 0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 2.05 / 3.37 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:



X410557

3-1-10
SAMPLE NO.

4-10-78
DATE

SAMPLES SUBMITTED BY: KC
INSPECTOR

INST.

ROTOMETER READING

14
FLOW RATE (L/M) TIME

UCC - King City
COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☒

Bagger operator

SAMPLE TIME:

TIME ON 2:37 ROTOMETER

TIME OFF 3:37 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☒ VENTILATION North door open

OUTDOORS ☐ WIND (15-20 mph from North)

OPERATION RG 244 Bagger operator full bagging shrink wrapping, palletizing, for RG 244 -

moved pallets from RG 244 bagging Room to storage area and brought samples to Laboratory.

X410558

[redacted]

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/17

Re check on carbon stress do original count King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-1-10 DATE 5-8-78 MICROSCOPIST GS

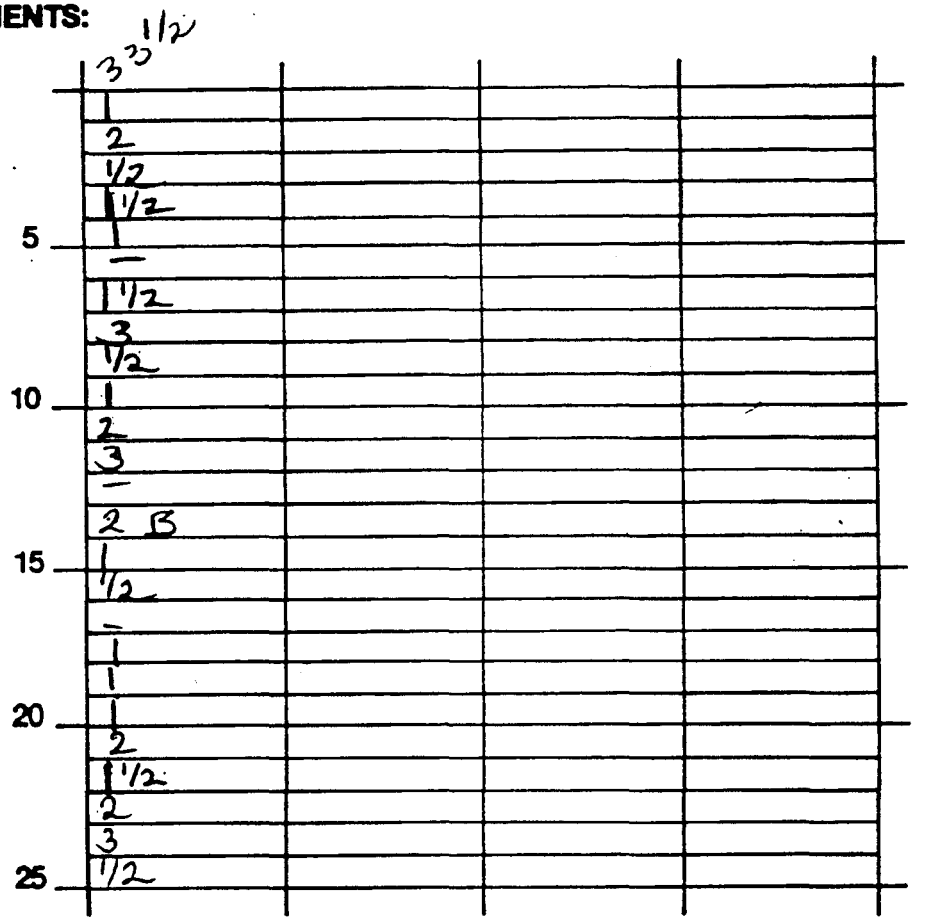
FLOW _____ TIME 60 VOLUME 8A

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.3A /2,199 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS:



X4:0559

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON _____ ROTOMETER _____

TIME OFF _____ ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

X410560

King City (1.7)

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-2-16 DATE 4-27-78 MICROSCOPIST GS

FLOW 1.4 TIME 49 VOLUME 68,600

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .845 / 1.698 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS:

24	19 1/2	17 1/2	23 1/2
—	1	1 1/2	2
B	—	1 1/2	—
1	1	2 1/2	1
	—	—	1
B	1/2	—	2
2	—	1	2 1/2
	1	1/2	—
2	—	1 1/2	1
	1	—	—
2 B	—	1	—
1	2	—	2
1/2	2 B	—	—
1/2	—	—	1
1	—	—	1 1/2
2 1/2	1	—	—
1	1	1/2	—
1	2	1	1
—	1	1	B
1	—	—	1
1	1/2	1/2	1
B	—	—	—
1 1/2	1	1	1/2
—	1	—	
1	2	2 1/2	2
—	1/2	1/2	1

X410561

3-2-10
SAMPLE NO.

4-10-78
DATE

SAMPLES SUBMITTED BY KC
INSPECTOR

INST.

ROTOMETER READING

1.4
FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON 3:39 ROTOMETER

TIME OFF 4:28 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☒ VENTILATION

OUTDOORS ☐ WIND

OPERATION SAME AS (3-1-10)

X410562

Re'check on same slide

King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-2-10 DATE 5-8-78 MICROSCOPIST GS

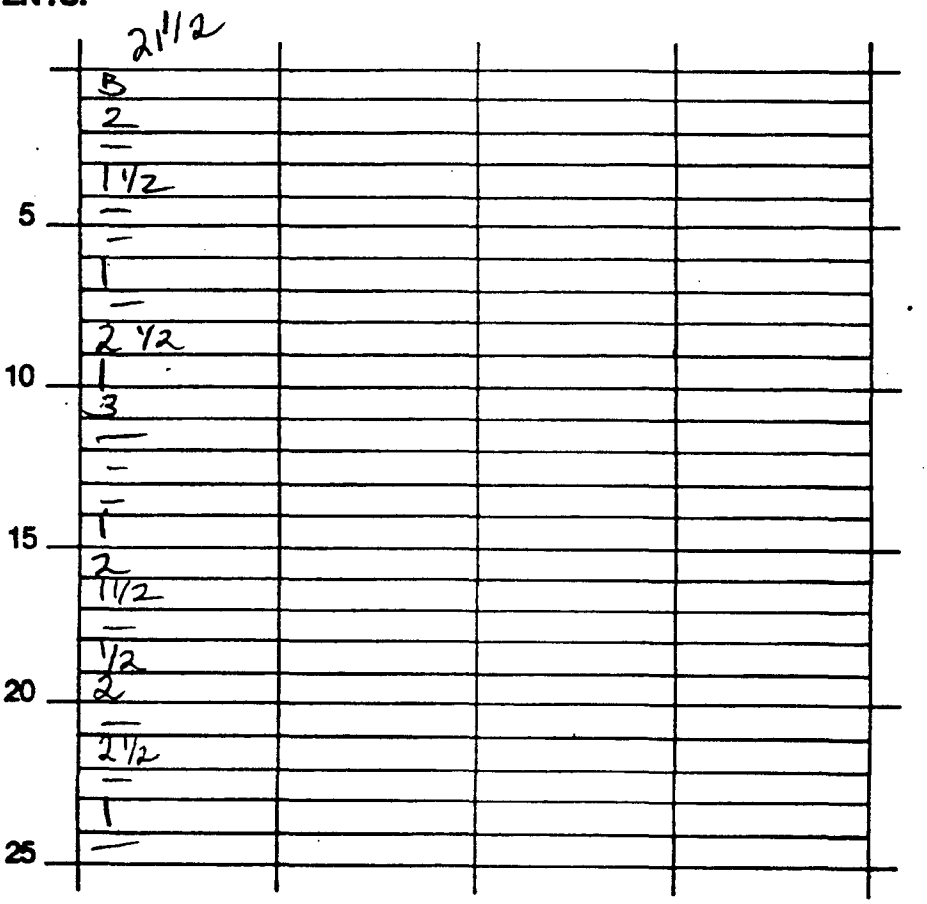
FLOW _____ TIME 49 VOLUME 68,600

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .86 / 1.728 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:



Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/22

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

_____

_____

SAMPLE TIME:

TIME ON _____ ROTOMETER _____

TIME OFF _____ ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

_____

_____

_____

X410563

King City 1.9

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-1-11 DATE 4-27-78 MICROSCOPIST GS

FLOW 1.4 TIME 60 VOLUME 84000

OPTICS PC MAG. 400 FIELD AREA 0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1175 / 1.929 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS:

	#42	30 1/2	21	24
		3 1/2	3	2 B
		2	—	1 B
		3	B	—
		1	—	1
5	—	2	—	1
	B	1	1 B	1
	1	1	3	1/2
	2 1/2	1/2	2	2 1/2
	2 1/2	—	—	2 1/2 B
10	—	—	B	—
	1	—	1	—
	1/2	—	1	3
	—	—	—	—
	1	—	2 1/2	—
15	4 1/2	—	1/2	—
	1	2 B	1/2	1 1/2
	4	2 1/2	1/2	—
	2	—	—	1
	2 1/2 B	—	1	1
20	2 B	1	—	—
	2 B	2	—	—
	1/2 B	2	—	—
	3 B	2	2	B
	2	4	—	—
25	2	—	—	2

X410564

3-1-11
SAMPLE NO.

4-11-78
DATE

SAMPLES SUBMITTED BY KC
INSPECTOR

INST.

ROTOMETER READING

1.4
FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON 8:52 ROTOMETER

TIME OFF 9:52 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND - No wind -

OPERATION - Bagged Product -
Conditions SAME AS 4-10-78
SAMPLES (3-1-10 & 3-2-10) - No
-Wind -

X410565

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/25

Re-Check on same slide as original King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-1-11 DATE 5-8-78 MICROSCOPIST GS

FLOW _____ TIME _____ VOLUME _____

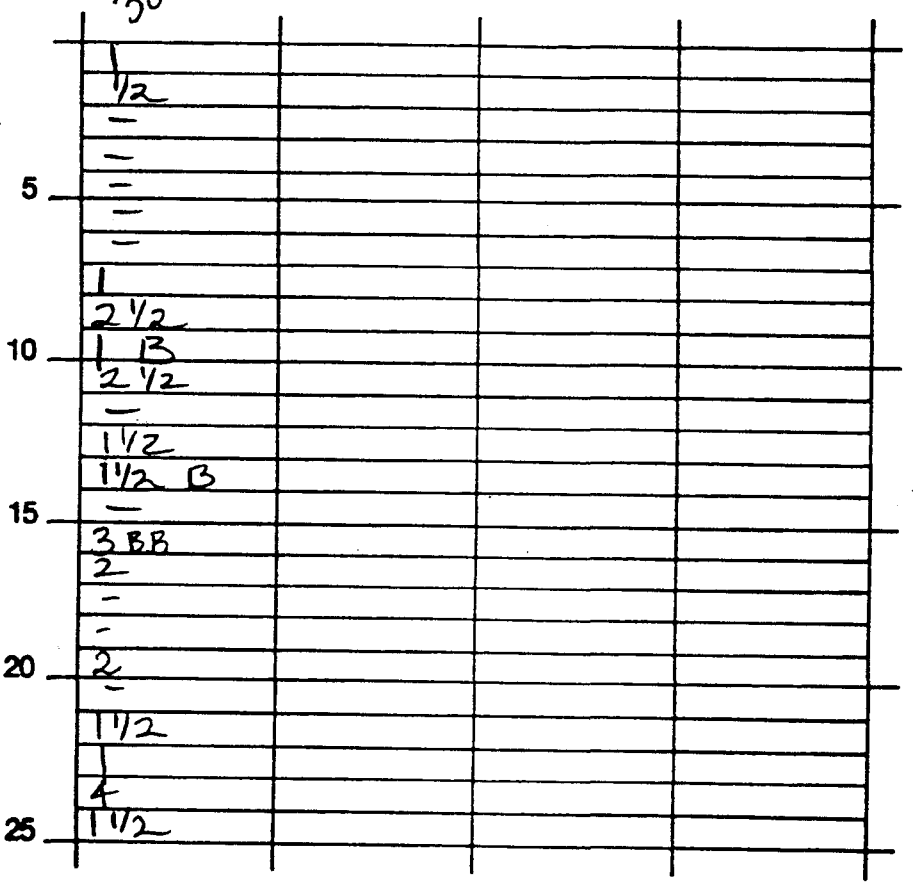
OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 122 / 2.0 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS:

30 1/2



X410566

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

_____

_____

SAMPLE TIME:

TIME ON _____ ROTOMETER _____

TIME OFF _____ ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

_____

_____

_____

X410567

King City (2.4)

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-2-11 DATE 4-27-78 MICROSCOPIST GS

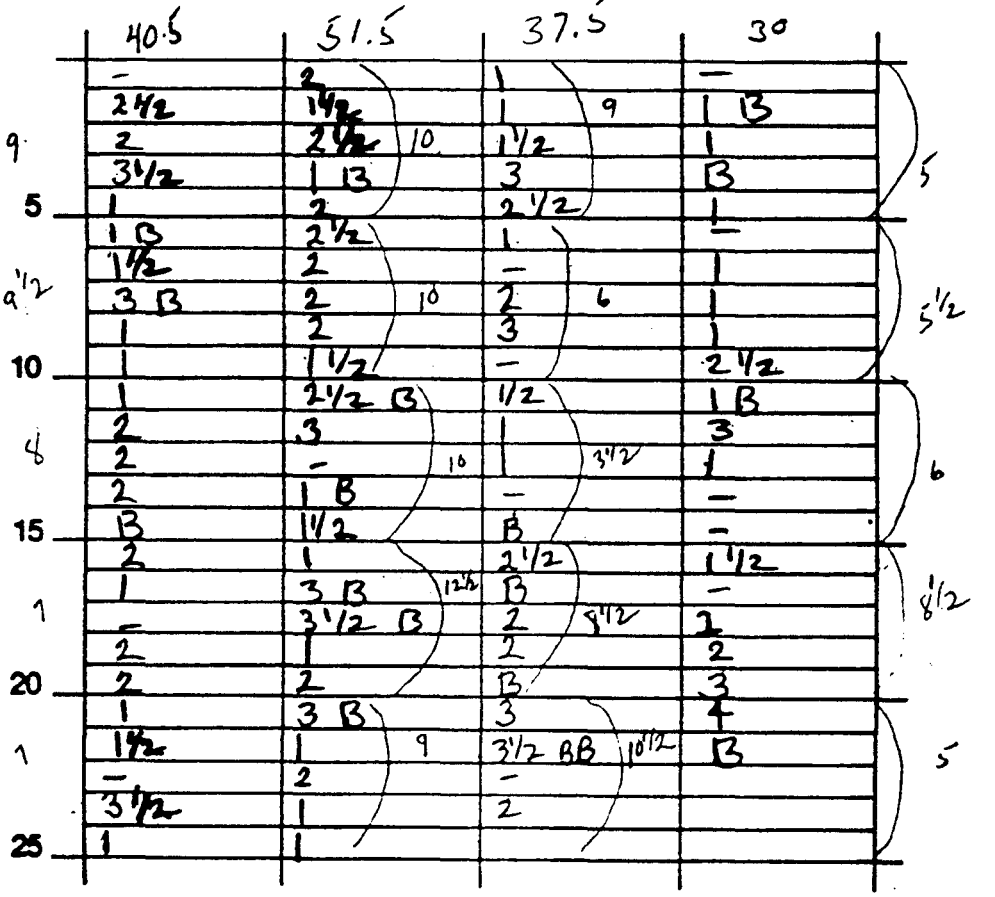
FLOW 1.4 TIME 66 VOLUME 92.4/90

OPTICS PC MAG. 400 FIELD AREA 0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 4.595 / 7.38 AMPHIBOLE 1 OTHER 1

COMMENTS: Some very fine fibers



X410568

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/28

3-2-11
SAMPLE NO.

4-11-78
DATE

SAMPLES SUBMITTED BY KC
INSPECTOR

INST.

ROTOMETER READING

14
FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON 9:54 ROTOMETER

TIME OFF 11:00 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND - No wind -

OPERATION Bagged product - SAME AS (4-10-78) however (No wind)

X410569

Recheck same slide as original King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 3-2-11 DATE 5-8-78 MICROSCOPIST GS

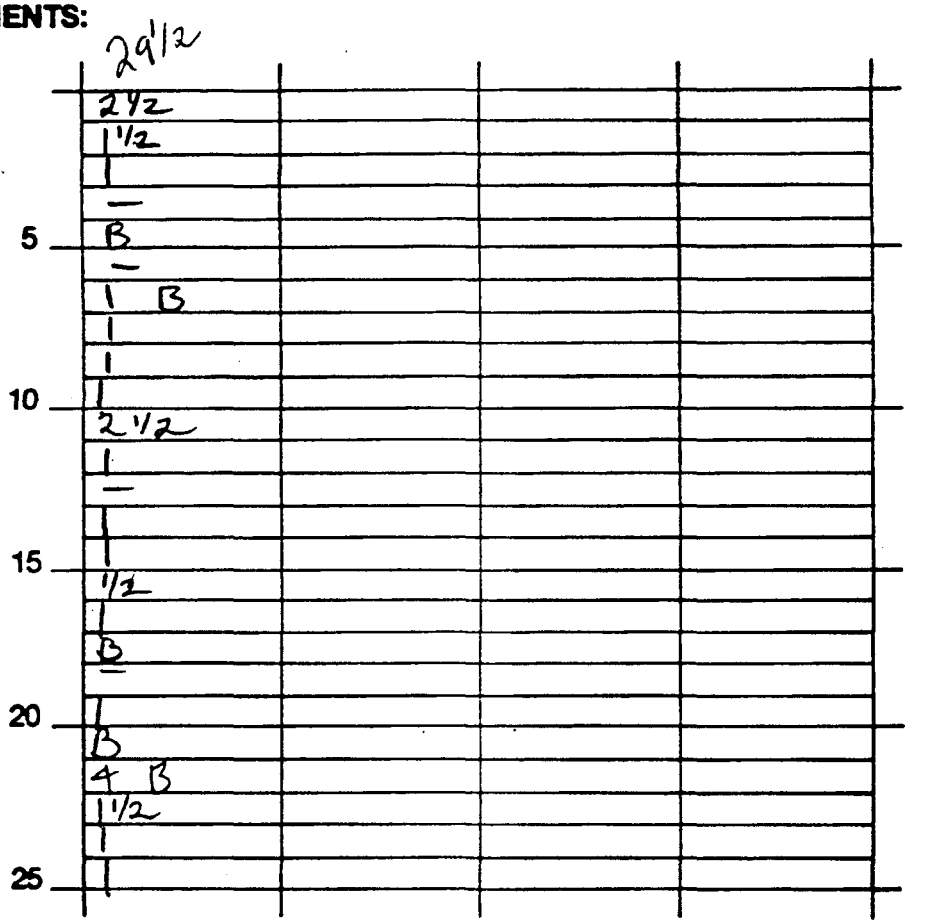
FLOW _____ TIME _____ VOLUME 92,400

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.18 / 1.76 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:



X410570

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

_____

_____

SAMPLE TIME:

TIME ON _____ ROTOMETER _____

TIME OFF _____ ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

_____

_____

_____

Y410371

King City

King City (60)

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-1-13 DATE 4-28-77 MICROSCOPIST GS

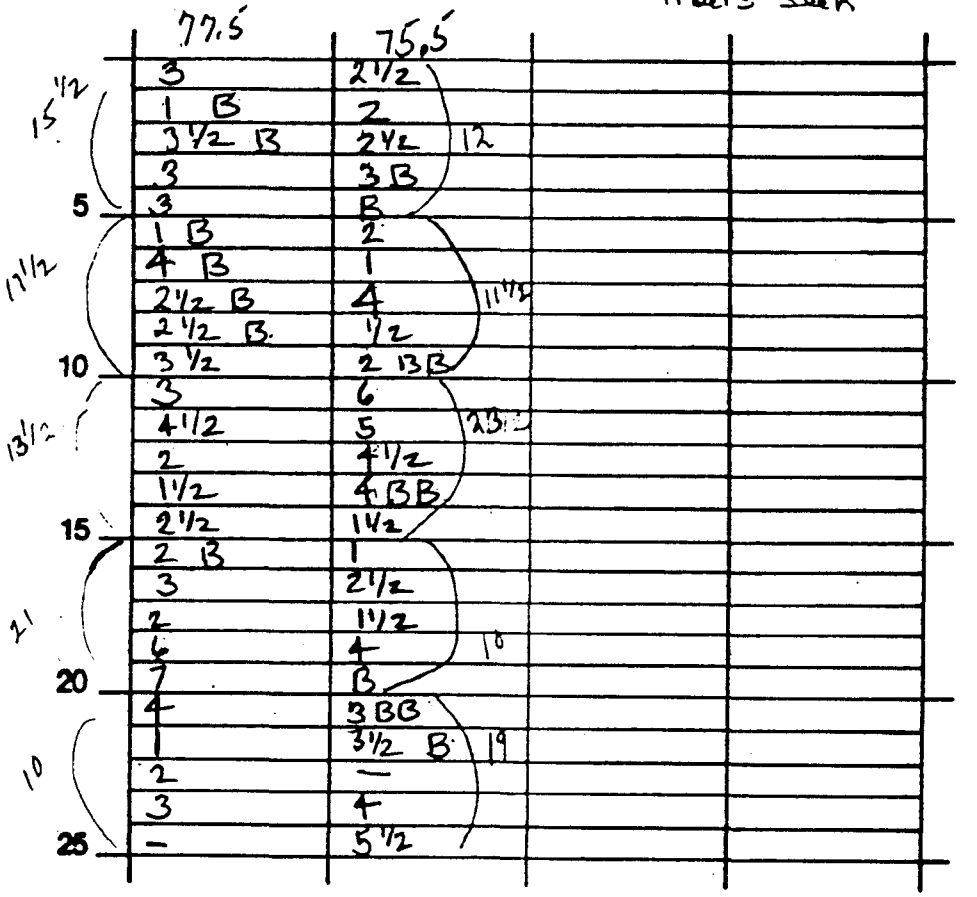
FLOW 1.4 TIME 60 VOLUME 84 000

OPTICS PC MAG. 400 FIELD AREA 0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 306 / 5.02 AMPHIBOLE — / — OTHER — / —

COMMENTS: Some very fine fibers - * some extremely fine fibers seen



X410572

1-1-13
SAMPLE NO.

4-13-78
DATE

SAMPLES SUBMITTED BY KC
INSPECTOR

INST.

ROTOMETER READING

1.4
FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON 9:25 ROTOMETER

TIME OFF 16:25 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND No wind

OPERATION Bagged Product - SAME AS 4-10-78 - No wind

X410573

Re-check on same slide & original King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-1-13 DATE 5-8-78 MICROSCOPIST GS

FLOW _____ TIME _____ VOLUME _____

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.98 / 3.25 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS: Some very fine fibers

	49 1/2
	3
	2
	4 1/2
	2 1/2
5	1/2 B
	3 1/2
	1 B
	1
	1 1/2 B
10	1 1/2
	—
	—
	4 1/2
	—
15	1
	4 B
	3
	2 1/2
	1
20	1 1/2
	1 B
	1
	2 B
	1/2
25	1/2

X410574

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

_____

_____

SAMPLE TIME:

TIME ON _____ ROTOMETER _____

TIME OFF _____ ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

_____

_____

_____

X410575

Recheck on same slide as original King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-2-13 DATE 5-8-78 MICROSCOPIST GS

FLOW _____ TIME _____ VOLUME _____

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 2.12 / 3.48 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS: Some fine fibers

	53			
	1 B			
	1 1/2			
	3 B			
	1			
5	2			
	1 1/2			
	1			
	2			
	1/2 B			
10	4 1/2			
	3			
	1			
	3			
	4			
15	1/2			
	2			
	4			
	1/2			
	1			
20	1			
	2 1/2			
	4 1/2			
	2			
	2			
25	1			

X410576

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

_____

_____

SAMPLE TIME:

TIME ON _____ ROTOMETER _____

TIME OFF _____ ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

_____

_____

_____

X410577

King City 4.5

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-2-13 DATE 4-28-78 MICROSCOPIST GS

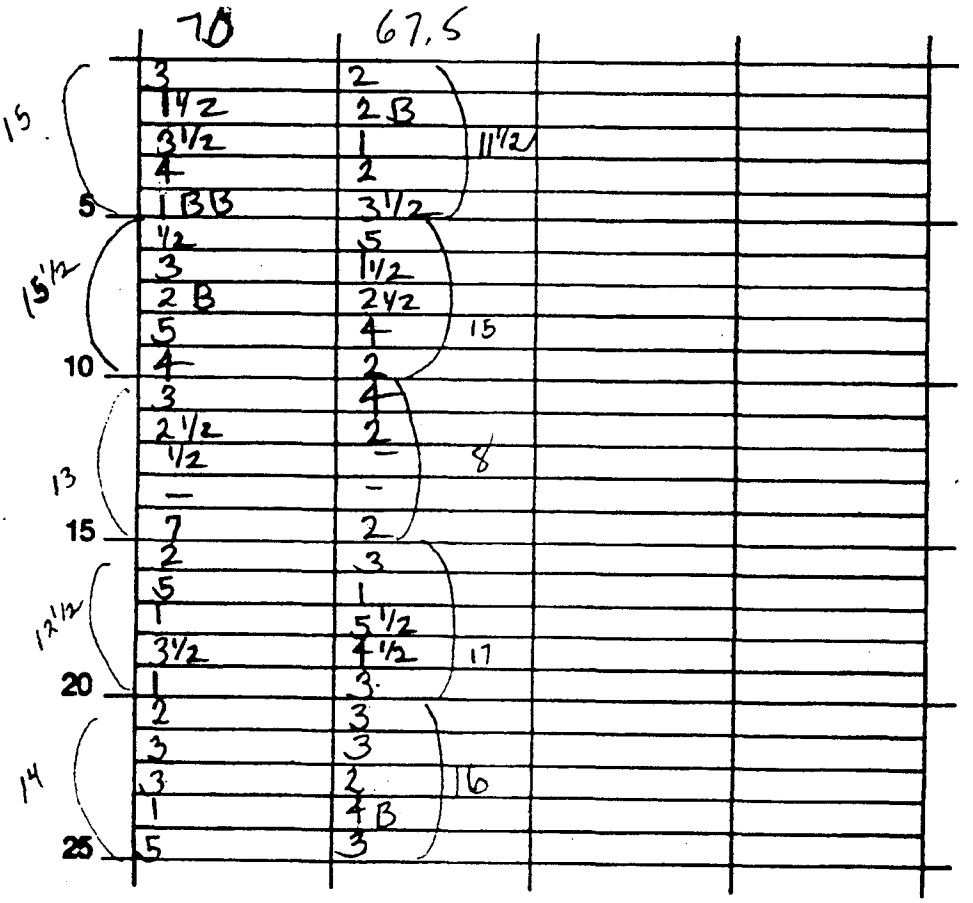
FLOW 1.4 TIME 60 VOLUME 84000

OPTICS PC MAG. 400 FIELD AREA 0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 275 / 14.514 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS:



X410578

SAMPLE NO. [redacted]1-2-13 DATE 4-13-78 INSPECTOR SAMPLES SUBMITTED BY KC

INST. ROTOMETER READING 1.4 FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON 10:28 ROTOMETER

TIME OFF 11:28 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND No wind

OPERATION SAME AS 4-10-78

No wind

X410579

King City 0.9

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-1-17 DATE 4-27-78 MICROSCOPIST GS

FLOW 1.4 TIME 72 VOLUME 100 00

OPTICS PC MAG. 400 FIELD AREA 0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .1665 / .909 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:

	33 1/2	14 1/2	9 1/2	9
	4	1	-	
	-	-	1/2	
	-	-	2	
	1/2	1	-	
5	-	-	-	2
	1 1/2		2	
	2 BB		-	
	-	2	-	
	2		-	2
10	1	2	-	
	3 1/2	1 B	1	1
	3 B		B	
	1	1	-	
	5		1	
15	-	1	-	-
	1 1/2	1/2	-	
	-		-	1
	1	1	1/2	2
	-		1	1
20	-	1	-	
	1/2		-	
	2		-	
	2		-	
	-		1/2	
25	-	2	-	-

X410580

1-1-17
SAMPLE NO.

4-17-78
DATE

SAMPLES SUBMITTED BY KC
INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON 8:41 ROTOMETER

TIME OFF 9:53 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND No wind

OPERATION Bagged product Same as 4-10-78 (No wind)

X410581

Re-check on same slide as original

King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-1-17 DATE 5-8-18 MICROSCOPIST G-S

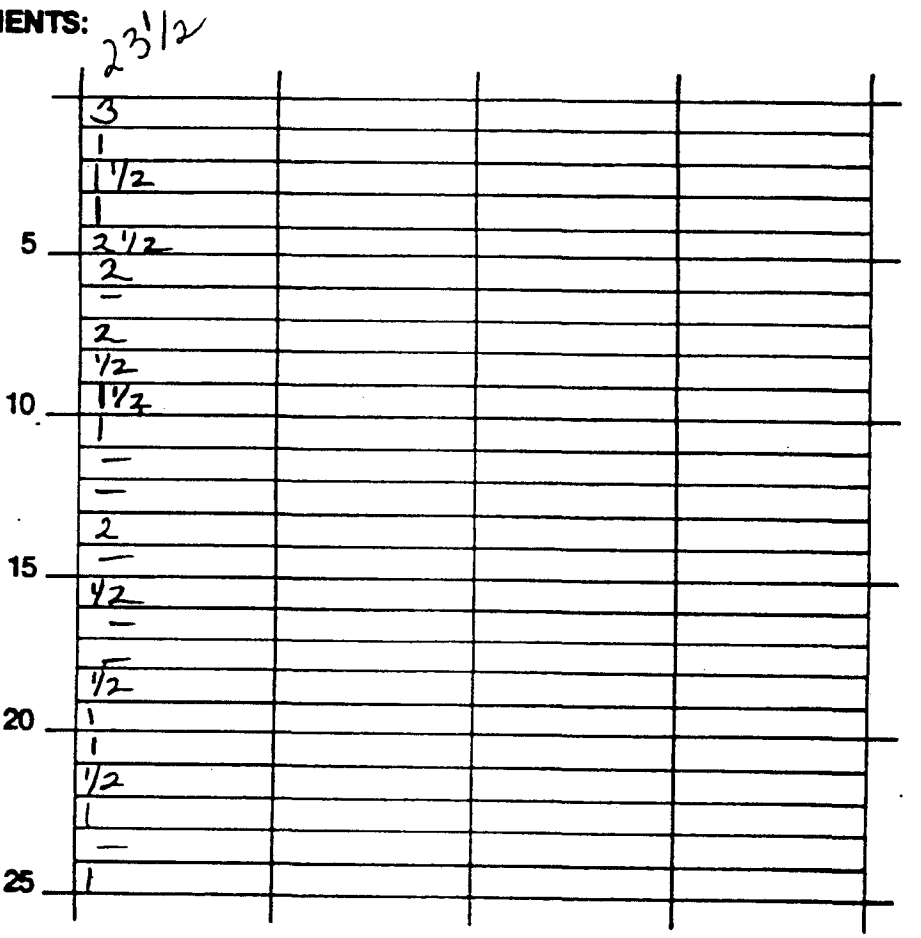
FLOW 1.4 TIME _____ VOLUME 100,800

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .94 / 1.286 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS:



X410582

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

_____

_____

SAMPLE TIME:

TIME ON _____ ROTOMETER _____

TIME OFF _____ ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

_____

_____

_____

X410583

King City (0.9)

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-2-17 DATE 4-27-18 MICROSCOPIST GS

FLOW 1.4 TIME 69 VOLUME 96600

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .65 / .92 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:

18	26	8	13
1	–		1
–	–		–
1	2		1
2	2½		1
–	5 B	1	1
–	1		
1	1		
½	½	1	½
–	–		–
–	–		2½
3	–		
–	4		
–	1		
1	–	2	½
1	½	1	–
3	1	–	
1	2	1	1
–	1		
–	–	1	1
1	–	1	
–	–		1
2½	–		
	1½		1½
–	1	–	
			1

X410584

1-2-17
SAMPLE NO.

4-17-78
DATE

SAMPLES SUBMITTED BY ICC
INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

SAMPLE TIME:

TIME ON 9:55 ROTOMETER

TIME OFF 11:04 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND No wind

OPERATION Bagged product - Same as 4-10-78 (No wind)

X410585

Recheck on same slide as original

King City

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 1-2-17 DATE 5-8-78 MICROSCOPIST GS

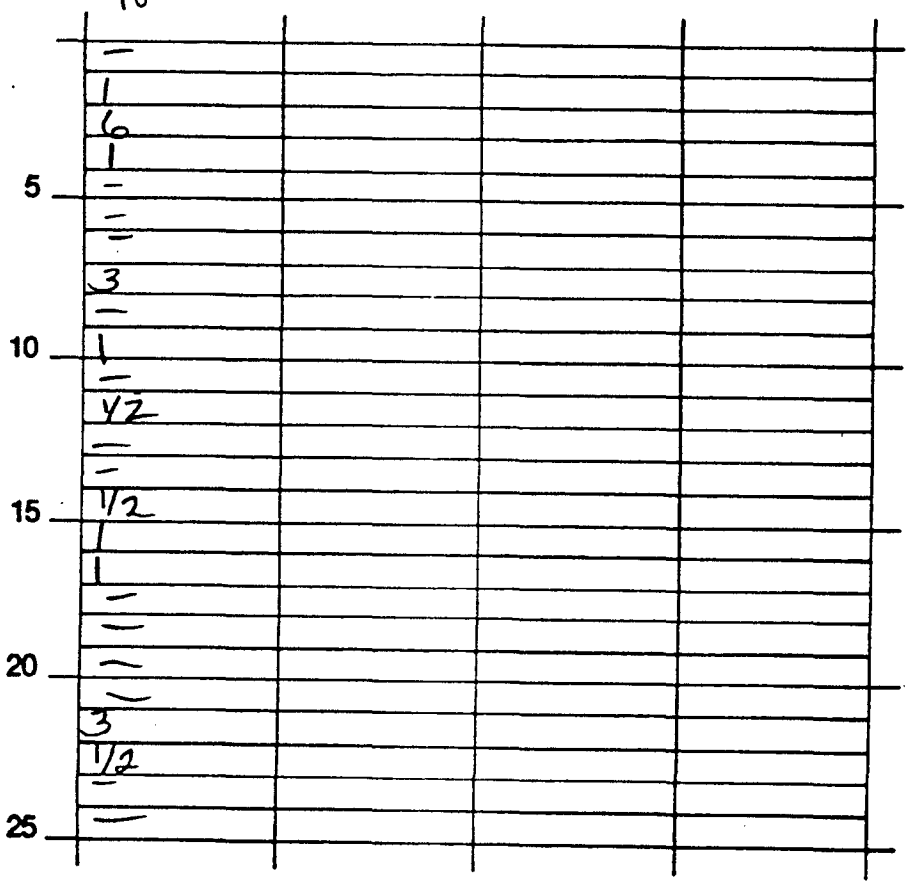
FLOW 1.4 TIME _____ VOLUME 96,600

OPTICS _____ MAG. _____ FIELD AREA _____

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .74 / 1.056 AMPHIBOLE ____ / ____ OTHER ____ / ____

COMMENTS: 18 1/2



X410586

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/46

Ingalls ✓
ronkhyte
DeAthey
Shortridge

rson for Niagara Falls
of Air Samples
lter and some 35mm
RG-244 bagger Operator.

agger Operator.
om

ping, palletizing
and HPO.
mph wind with Lightly

espirator.

	AVE +5μ/mL
ged Product.	2.88
	2.22
nd bagging room.	1.95
	2.77
	2.58
	2.20
y sump.	2.58
ging room.	4.02
outside.	0.81
Average:	2.45

X410592

DATE | INSPECTOR

ROTOMETER READING | FLOW RATE (L/M) TIME

AREA ☐ PERSONAL ☐

ROTOMETER

ROTOMETER

OF OPERATION:

VENTILATION

WIND

X410587

Ingalls ✓
Kronkhyte
DeAthey
Shortridge

rson for Niagara Falls
o of Air Samples
lter and some 35mm
RG-244 bagger Operator.

bagger Operator.
om
ping, palletizing
and HPO.
mph wind with Lightly

espirator.

	AVE +5μ/mL
ged Product.	2.88
	2.22
nd bagging room.	1.95
	2.77
	2.58
	2.20
y sump.	2.58
ging room.	4.02
g outside.	0.81
Average:	2.45

X410592

DATE

INSPECTOR

ROTOMETER READING

FLOW RATE (L/M) TIME

AREA ☐ PERSONAL ☐

ROTOMETER

ROTOMETER

OF OPERATION:

VENTILATION

WIND

X410587

Blair Ingalls ✓
Bob Veronkhyte
Bill DeAthey
Earl Shortridge

3/15/79

Two air samples every person for Niagara Falls and King City and our pump of Air samples are 1.4 LPM with AA 25 filter and some 35mm for Main Bagger Operator and RG-244 bagger Operator.

Subject: Marty HARRIS - Main Bagger Operator.
Area: Main Bagging ~~ROOM~~
Conditions: 1) full bagging, shrinkwrapping, palletizing Operation on RG-100 and HPO.
2) West door open; 6-9 mph wind with Lightly rain all day.
3) He was wearing a respirator.

Time	filter	Work Performed	AVE +5μ/mL
8:56A-9:26A	25AA	Worked around bagging room; Bagged Product.	2.88
9:28A-9:58A	"	Bagged Product.	2.22
9:59A-10:41A	"	Break time for 5 min; Worked around bagging room.	1.95
10:44A-11:16A	"	Worked around bagging room.	2.77
11:18A-11:59A	"	Worked around bagging room.	2.58
2:49P-1:22P	"	Worked around bagging room.	2.20
1:25P-1:54P	"	Bagged Product; Hooked floor by sump.	2.58
2:02P-2:38P	35	Worked on Sump and around bagging room.	4.02
2:40P-3:14P	35	Checked sump for plugging at outside.	0.81
		Average:	2.45

X410592

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/49

3/15/79

Subject: Hector Venegas - RG-244 Bagger Operator.
Area: RG - Bagging Room.
Conditions: 1) full bagging, shrinkwrapping, Palletizing Operation on SX-24.
2) North door open; 6-9 mph wind from South.
3) Lightly rain all day.
4) Moved Pallets from RG bagging room to storage area; brought sample to LABORATORY
5) He was wearing a respirator.

Time	Filter	Work Performed	Ave +5M/mL
9:03A-9:34A	25AA	Normal Conditions.	0.95
9:35A-10:24A	"	outside for 20min; Normal.	0.79
10:26A-10:58A	"	Normal Conditions.	1.14
11:00A-11:29A	"	Normal Conditions.	1.25
11:30A-12:01P	"	Normal Conditions.	1.49
1:01P-1:34P	"	Normal Conditions.	1.14
1:37P-2:08P	"	Normal Conditions.	1.58
2:13P-2:44P	35	Normal Conditions.	1.52
2:44P-3:11P	35	Normal Conditions.	3.38
		AVERAGE:	1.47

X410593

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/50

ASBESTOS COUNT RECORD SHEET

(1)

SAMPLE NO. 0-46 DATE 5/15/79 MICROSCOPIST [illegible]

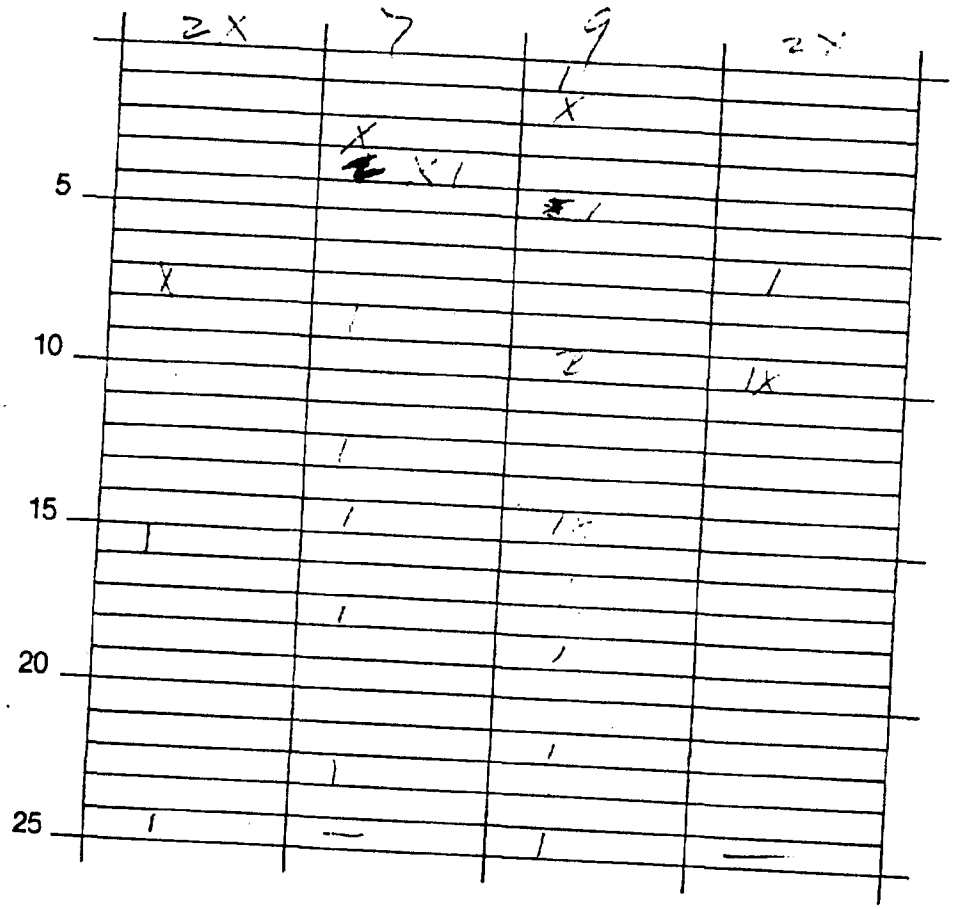
FLOW 2 TIME 30 VOLUME 0.94

OPTICS PC MAG. 400 FIELD AREA 0.0662

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 12 / 0.48 AMPHIBOLE 1 / OTHER 1 /

COMMENTS:



X410594

SAMPLE NO. 6-76 DATE INSPECTOR

INST. ROTOMETER READING FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☐

12.0-244

SAMPLE TIME:

TIME ON 2:44 ROTOMETER

TIME OFF 3:14 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND

OPERATION

X410595

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. G-15 DATE 5/14/79 MICROSCOPIST C.C.

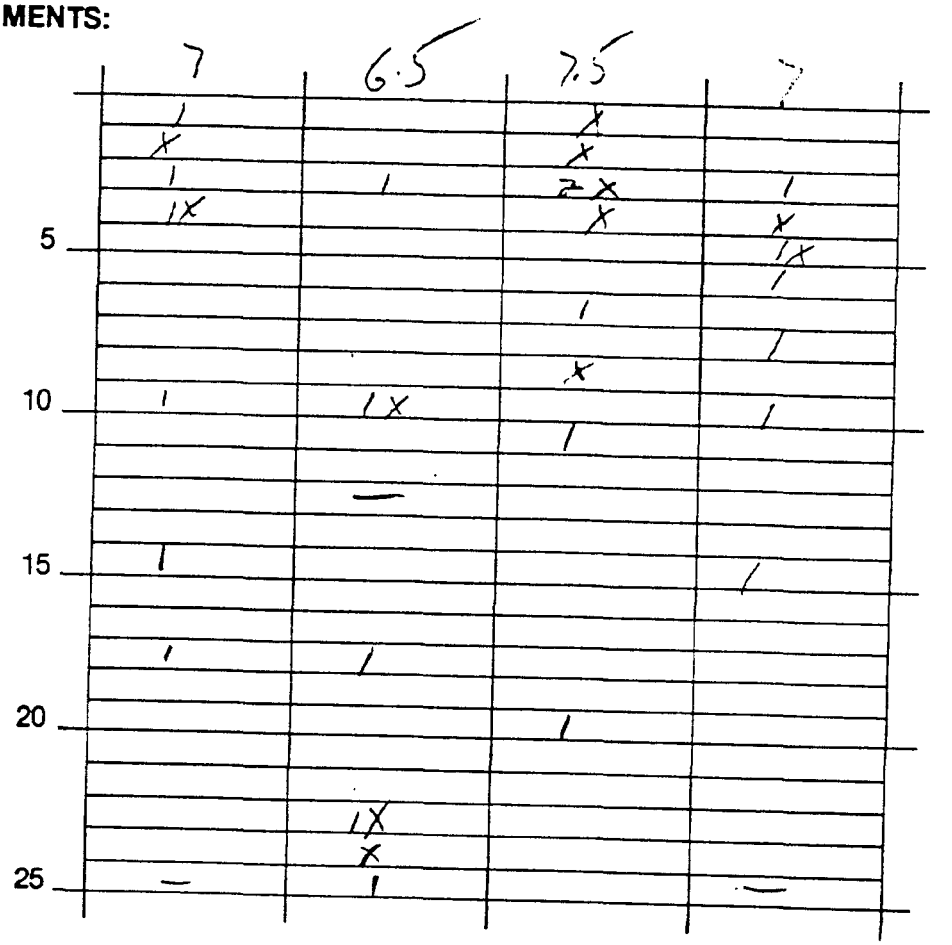
FLOW ~ TIME 21 VOLUME 42 M

OPTICS DC MAG. 40 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .28 / 10.92 AMPHIBOLE — / — OTHER — / —

COMMENTS:



X410596

G-15 — SAMPLE NO.

3/6/79 — DATE

INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

RG-244

H-Ventura

SAMPLE TIME: ~~2:15~~

TIME ON 2:23 ROTOMETER

TIME OFF 2:44 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION ✓

OUTDOORS ☐ WIND

OPERATION

X410597

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. P-35 DATE 5/17/ MICROSCOPIST G.S.

FLOW 2 TIME 31 VOLUME 62 M

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .87 / 1.94 AMPHIBOLE 1 OTHER 1

COMMENTS:

20.5	26	21.5	19
1		2	X
	1X	1X	1
1	1	1	1
	2		
	X		
X	5	1	X
2	1	1	
1X	X		1
X	X	1	1
B	3	2X	
B	1	2	2X B
		2	
	1		1X
	2X		—
	1X	3	2
1X		1 B	
X	2	1	1
3			2
2			1
	1X		
1			1
2		1	
1	1X		
1		X	2

X410598

SAMPLE NO. 2-[illegible] DATE 4/24/7 INSPECTOR

INST. ROTOMETER READING FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

RC-244
H Venegas

SAMPLE TIME:

TIME ON 1:37 P ROTOMETER

TIME OFF 2:08 P ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-9 mph wind from South

OPERATION

X410599

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. S-7 DATE 5/17 MICROSCOPIST GC

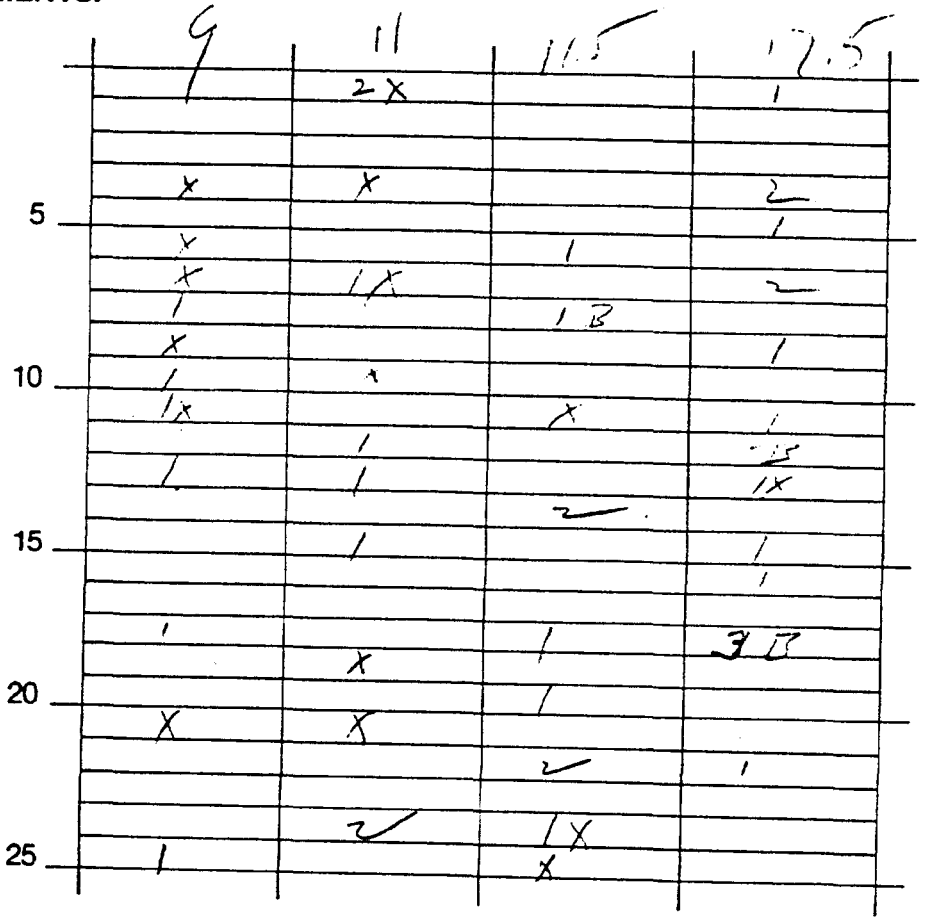
FLOW 2 TIME 73 VOLUME 6.0M

OPTICS PC MAG. 400 FIELD AREA .062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .44 / 102 AMPHIBOLE 1 / OTHER 1 /

COMMENTS:



X410600

SAMPLE NO. 211 DATE 3/10/77 INSPECTOR [illegible]

INST. ROTOMETER READING FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

RG-244

H. Venegas

SAMPLE TIME:

TIME ON 1:01 PM ROTOMETER

TIME OFF 1:34 pm ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-9 mph NW [illegible]

OPERATION

Y410501

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. A-2 DATE 5/17/ MICROSCOPIST QC

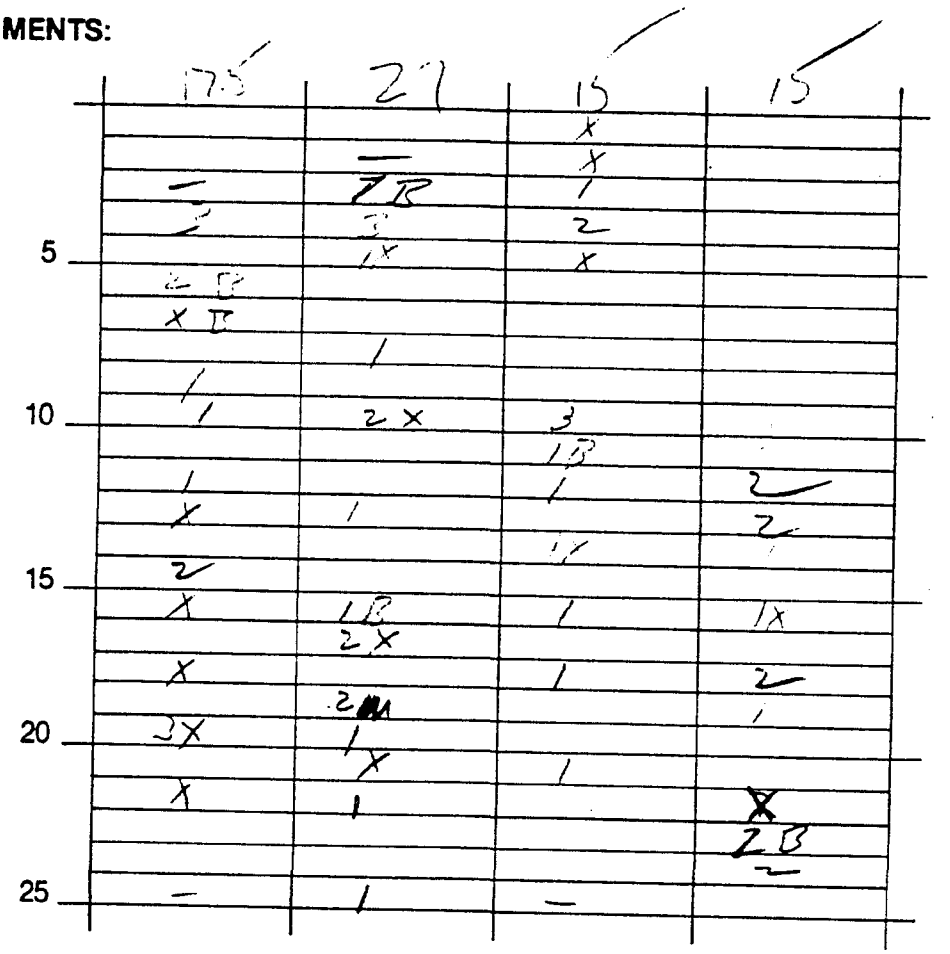
FLOW 2 TIME 21 VOLUME 42M

OPTICS PC MAG. 70 FIELD AREA .0162

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .745 / 11.66 AMPHIBOLE 1 / OTHER 1 /

COMMENTS:



X4:0502

A-2
SAMPLE NO.

3/10/75
DATE

INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

RG-244

H- Venegas

SAMPLE TIME:

TIME ON 11:30 ROTOMETER

TIME OFF 12:01 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-9 mph wind from South
Lightly rain

OPERATION

X410603

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. P-15 DATE 5/18/79 MICROSCOPIST QC

FLOW 2 TIME 29 VOLUME 58 M

OPTICS PC MAG. 400 FIELD AREA 0052

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .455 / 1.08 AMPHIBOLE / OTHER /

COMMENTS:

15	11.5	9	10
	/	X	X B
	/		X
1 B		/	
		/	X 3
/		/	X
/		X	
/		1 X	/
	/	/	X
3	/		
	X B		/
2	X	2	
1 X	X		
			/
2		X	
X	—	—	2

X410604

1-5 — SAMPLE NO.

3/15/79 — DATE

AC - — INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

RG-144

H- Venegas

SAMPLE TIME:

TIME ON 11:00 AM ROTOMETER

TIME OFF 11:29 AM ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND

OPERATION

X410605

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. B-56 DATE [illegible] MICROSCOPIST [illegible]

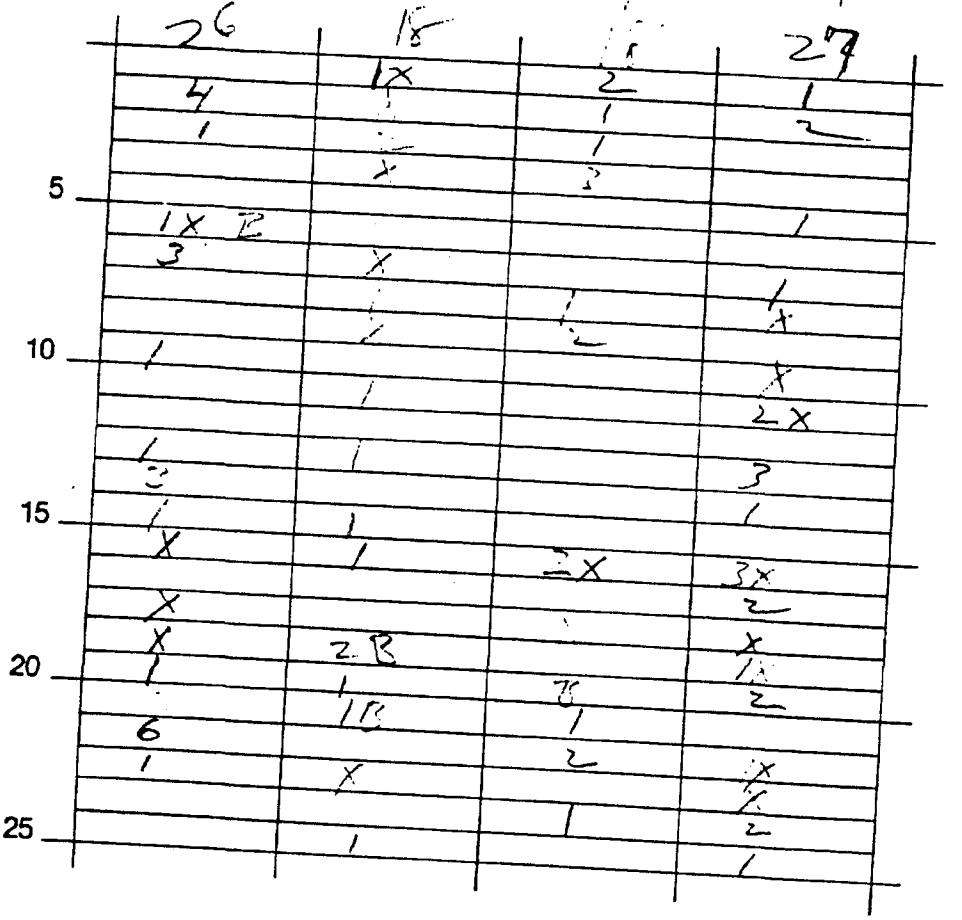
FLOW 2 TIME 32 VOLUME [illegible]

OPTICS PC MAG. Y FIELD AREA [illegible]

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .89 / 1.92 AMPHIBOLE 1 OTHER 1

COMMENTS: [illegible]



X410606

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☑

RC-249
(H Vasquez)

SAMPLE TIME:

TIME ON 10 26 ROTOMETER _____

TIME OFF 10.58 ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-9 mph wind from [illegible]

OPERATION _____

X410607

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. M-39 DATE 5/14/2[illegible] MICROSCOPIST G.J.S.

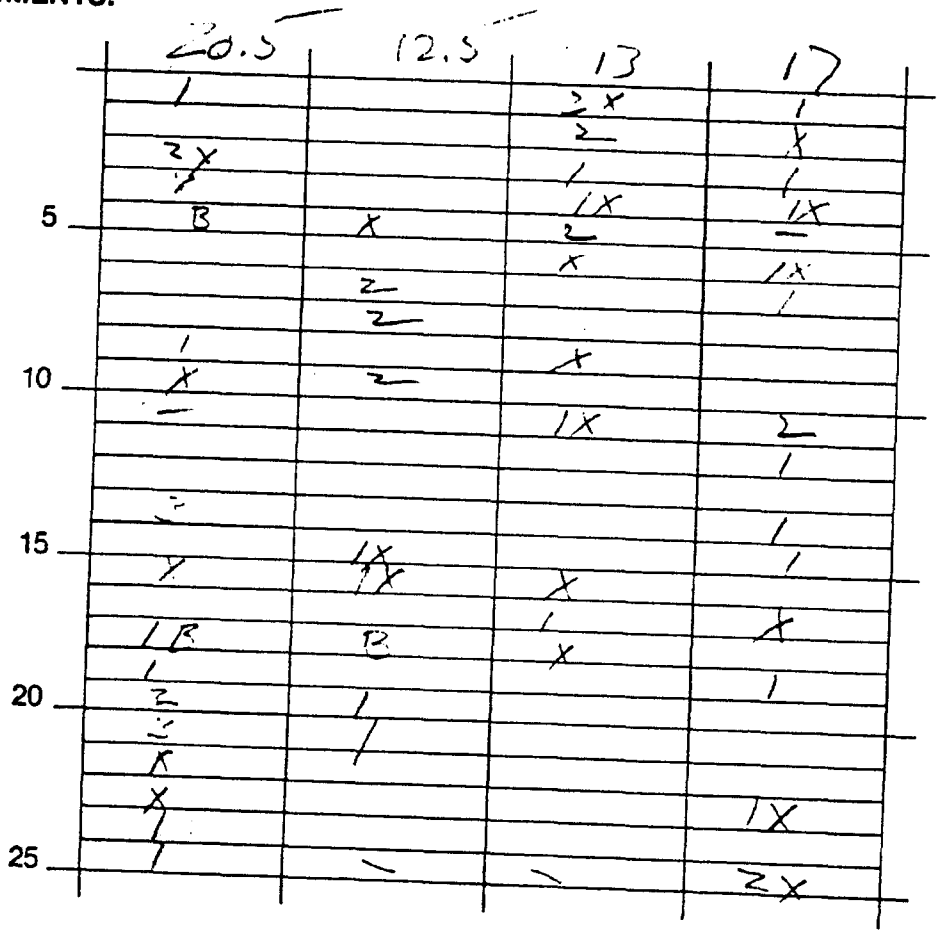
FLOW [illegible] TIME 4' VOLUME 7 X 11

OPTICS PC MAG. 4[illegible] FIELD AREA [illegible]

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .63 / 0.89 AMPHIBOLE [illegible] / [illegible] OTHER [illegible] / [illegible]

COMMENTS:



X410608

SAMPLE NO. JM-3-1 DATE 3/15/77 INSPECTOR

INST. ROTOMETER READING FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

02-6-244

(H Venegoe)

SAMPLE TIME:

TIME ON 9:35 ROTOMETER

TIME OFF 10:24 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☑ (20 min) WIND 6-9 mph wind from S.W.

OPERATION

X410609

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. A-15 DATE 5/16/74 MICROSCOPIST C. C.

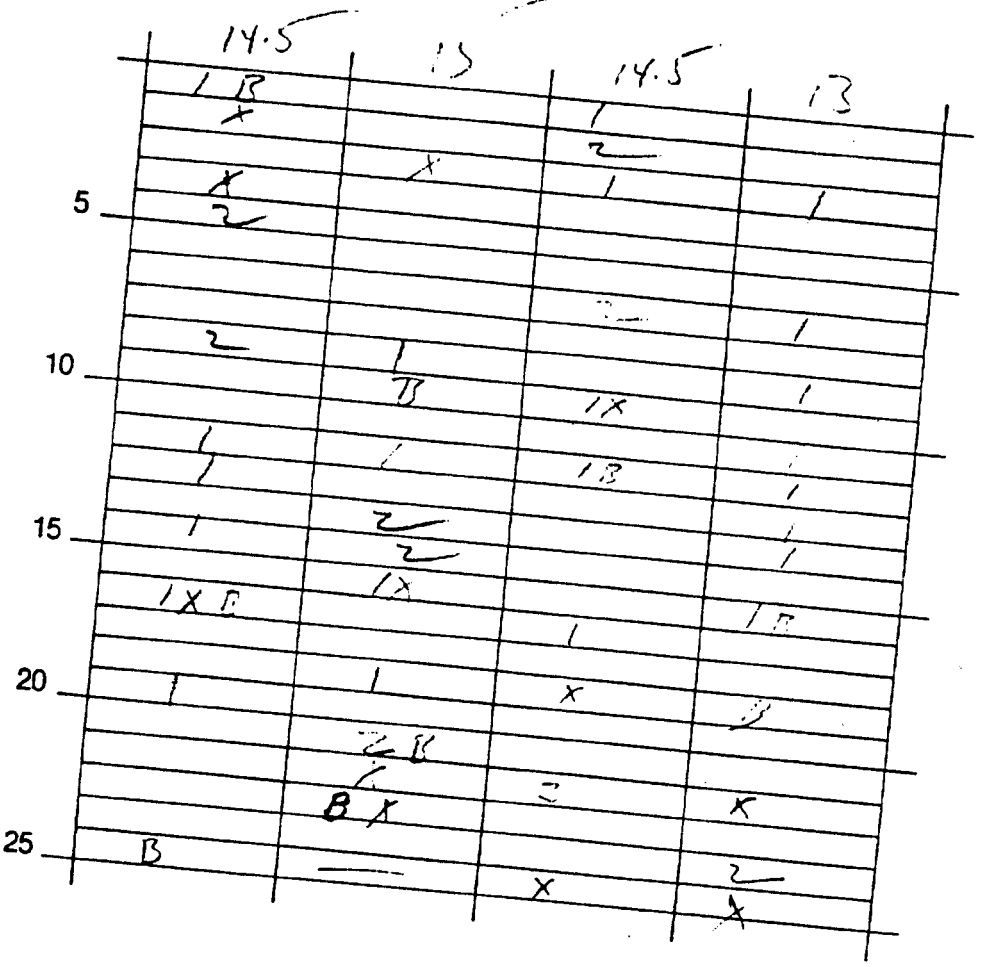
FLOW 2 TIME 1731 VOLUME 0.2 ml

OPTICS PC MAG. 400 FIELD AREA .00785

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .57 / 11.27 AMPHIBOLE 1 / OTHER 1

COMMENTS:



X410610

SAMPLE NO. 17-15 DATE 3/15/79 INSPECTOR [illegible]

INST. E-02-1512 ROTOMETER READING 5.5 FLOW RATE (L/M) TIME 2

COMPANY UCC King City Plant

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

RG-244 BAGGER

(Lt. Vemeyer)

SAMPLE TIME:

TIME ON 9:03 A ROTOMETER

TIME OFF 9:34 A ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION

OUTDOORS ☐ WIND 6-9 mph wind from the W

OPERATION

X410614

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. B-4/6 DATE 5/14 MICROSCOPIST G.S.

FLOW 2 TIME 1531 VOLUME 62 M

OPTICS PC MAG. 400x FIELD AREA .006 2

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .83 / 1.85 AMPHIBOLE 1 OTHER 1

COMMENTS:

	12.5	23	17	20.5
			1	2X
			X	
	X	1		1
5	3X	X	2	
		1X	1X	X
	2	1X	1	
	1	1X		1X
10	1X			X
	1X	X	1	1X
	1X	1	1	
		2		1
	2X	2	1	1X
15		2		
		4		
				1
	X	1	2B	
		3	X	1
20	2X		X	2
		X		
	1		1X	1X
	3	1		1
	1			
25	X	1	2X	2

X410612

SAMPLE NO. _____ DATE _____ INSPECTOR _____

INST. _____ ROTOMETER READING _____ FLOW RATE (L/M) TIME _____

COMPANY _____

LOCATION _____

SAMPLE: AREA ☐ PERSONAL ☐

Worn Cement

CR6-144

SAMPLE TIME:

TIME ON 2:40 ROTOMETER _____

TIME OFF 3:11 ROTOMETER _____

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION _____

OUTDOORS ☐ WIND _____

OPERATION _____

X410613

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. S-79 DATE 6/14/79 MICROSCOPIST GC

FLOW 2 TIME 37 VOLUME 28-M

OPTICS PC MAG. 40 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.5 / 265 AMPHIBOLE — / — OTHER — / —

COMMENTS:

35	40	37.5
3	2	1
1	5	1
2		3
1X		5
2	1	2
5X	1	1X
4X	1X	1
2X		1
1	1	X
X		2
2X	2	2X
1	1	1
1	3	X
—	2	—
2X		X
1	2X	1
—	3	2
X	1	1
1	1	1
1	3X	3
1	1	X
1	1	1X
—	1X	2
1X	1	X
—	2	X

X410614

SAMPLE NO. 3-19 DATE INSPECTOR

INST. ROTOMETER READING FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑ Mario Ericenti

(RG-100)

SAMPLE TIME:

TIME ON 1:54P ROTOMETER

TIME OFF 2:38P ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☐ WIND

OPERATION

X410615

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 5-24 DATE [illegible] MICROSCOPIST [illegible]

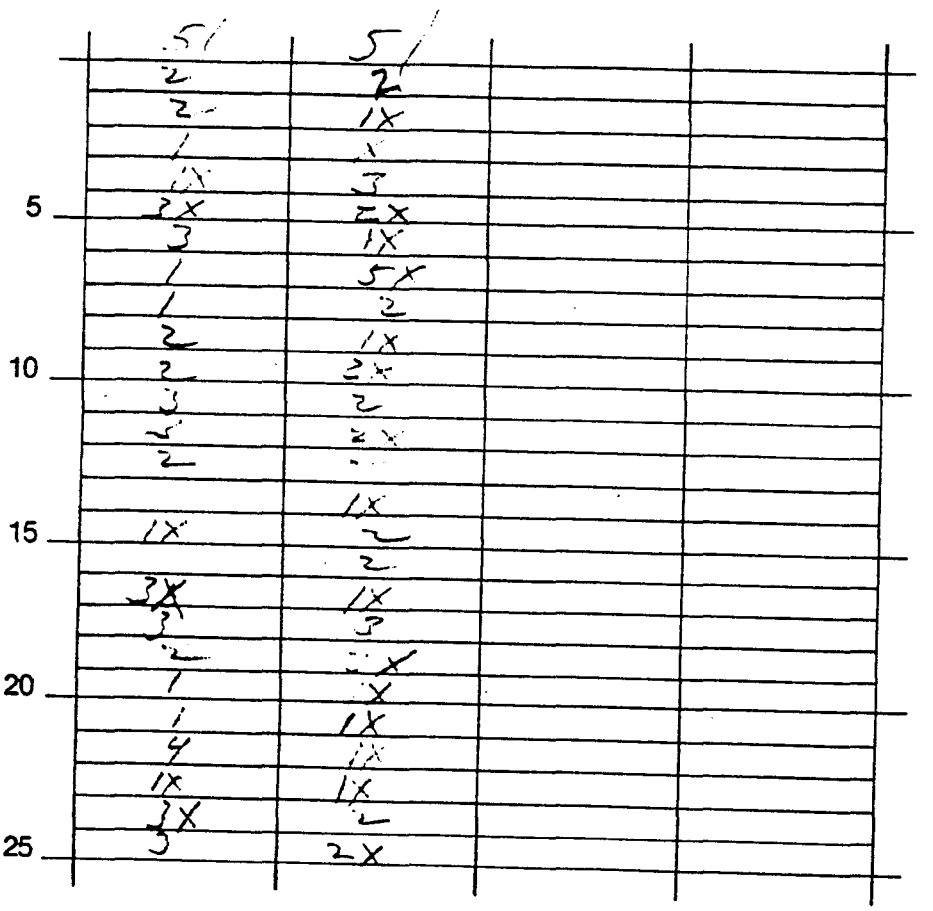
FLOW [illegible] TIME 24 VOLUME [illegible]

OPTICS PC MAG. [illegible] FIELD AREA [illegible]

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 2.04 / 4.14 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:



X410616

SAMPLE NO. [illegible] 7 DATE 2/10/79 INSPECTOR

INST. ROTOMETER READING FLOW RATE (L/M) TIME

COMPANY

LOCATION M.

SAMPLE: AREA ☐ PERSONAL ☑

MAIN CIRCUIT
(M-HARRIS)

SAMPLE TIME:

TIME ON 1:25P ROTOMETER

TIME OFF 1:59P ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-9 mph wind from South

OPERATION

X410617

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. O-45 DATE 5/9/79 MICROSCOPIST GL-

FLOW 2 TIME 32 VOLUME 66M

OPTICS PC MAG. 40x FIELD AREA 0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.2 / 2.53 AMPHIBOLE 1 OTHER 1

COMMENTS:

	35.5	21	32	32.5
		1	1	2X
	3		1X	1X
	X	1	1X	1
	X		2	
5	1X	X	3	1X
	1	1X		2
	1	1X		X
	1	1	2	6
	—		1	
10	2	1X	1	3X
	4	X		
	na 2		2	
	2	1	X	1X
	1	X		1
15	1	3		2
	1			1X
	1	1X	2	
	1	2	2	1
	1		1X	3
20	3X	1	4	
	2X	X	4	
	1X	1		
	—	1	1	2
	1X			
25	2		2	2

X410618

C-6.3 — SAMPLE NO.

4/15/79 — DATE

J — INSPECTOR

INST. — ROTOMETER READING — FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

Main Circuit
(M-HARRIS)

SAMPLE TIME:

TIME ON 12:49 ROTOMETER

TIME OFF 1:22 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-9 mph wind from South
RAIN

OPERATION

X410619

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. P-16 DATE 5/5/25 MICROSCOPIST QC

FLOW ~ TIME 1445 VOLUME 50 M

OPTICS PC MAG. 400 FIELD AREA 0.062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.59 / 2.74 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:

	40	40.5	38.5
		X	1X
	1	1X	3
	1	2	1
	2	1	2X
5	3	3	
	3	X	2
	X	2	2
	3X	X	1X
	3	1	3X
10	2X	2	1X
	1X	1	X
	2X	1	3
		1X	
15	2	1	2
	2	2X	1
	3	1	2
	1	2	3
		1X	1
20	1	X	
	1	X	1X
	3	1	1
	X	1X	1
		4X	3
25	1	3	1

X410620

P-16 — SAMPLE NO.

3/13/79 — DATE

GC — INSPECTOR

INST. | ROTOMETER READING | FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

Main Circuit
(M. Harris)

SAMPLE TIME:

TIME ON 11:18 A — ROTOMETER

TIME OFF 11:58 A — ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ — VENTILATION ✓

OUTDOORS ☐ — WIND 6-9 mph wind from South
RAIN

OPERATION

X410621

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. M-16 DATE 5/14/75 MICROSCOPIST CL

FLOW 2 TIME 32 VOLUME 64

OPTICS PC MAG. 400 FIELD AREA .062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 2.11/ 4.55 AMPHIBOLE ___/___ OTHER ___/___

COMMENTS:

43.5	46	68.5
1X	3	5X
2X	1	3X
3	1	2
3X	1	2X
2	2X	6
1	3	2
1X	3X	2
1X	1X	X
1X	1X	6
2	4X	1X
2	1	2
1X	1X	3X
3X	2	1X
1X	2X	2X
	1X	3
1	1X	3X
2	1X	3X
1	3X	4X
3	2	
2		1
1	2	1X
	X	2X
X	2	1
2X		4
1	2	3

X410622

SAMPLE NO. 111-10 DATE 3/15/79 INSPECTOR GC

INST. ROTOMETER READING FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

MAIN Circuit
(M Harris)

SAMPLE TIME:

TIME ON 10:44 ROTOMETER

TIME OFF 11:16 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-7 mph wind from South
NO Rain

OPERATION

X410623

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/80

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. M-44 DATE 5/5/54 MICROSCOPIST Q.E.

FLOW 2 TIME 42 VOLUME 24M

OPTICS PC MAG. 430 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 183 / 3.00 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:

	43.5	44.5	49	
	1X	2X	1	
	X	1	—	
		1X	2X	
	4X	4X	1	
5	2X	11X	5	
	2	1X	X	
	2	3X	X	
	4X	—	1	
	1X	1X	X	
10	1		3	
		2X	2X	
		2X	1	
	1X	1X	3X	
	2	2	2	
15	—	2X		
	X	1	1X	
	1	1	4	
	4	2	3X	
	1X		2	
20	2	4X		
	3X	1		
	X	1	2X	
	1X	1	4X	
	1X	2	2	
25	2	3X	3X	

X410624

111-48 SAMPLE NO. | 3/15/79 DATE | INSPECTOR

INST. | ROTOMETER READING | FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

Main Circuit
(M. Harris)

SAMPLE TIME:

TIME ON 9:59 ROTOMETER

TIME OFF 10:41 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION ✓

OUTDOORS ☐ WIND 6-9 mph wind from SW Lightly rain

OPERATION

Break time for 15 min

X410625

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/82

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. S-21 DATE 5/9/79 MICROSCOPIST Qe.

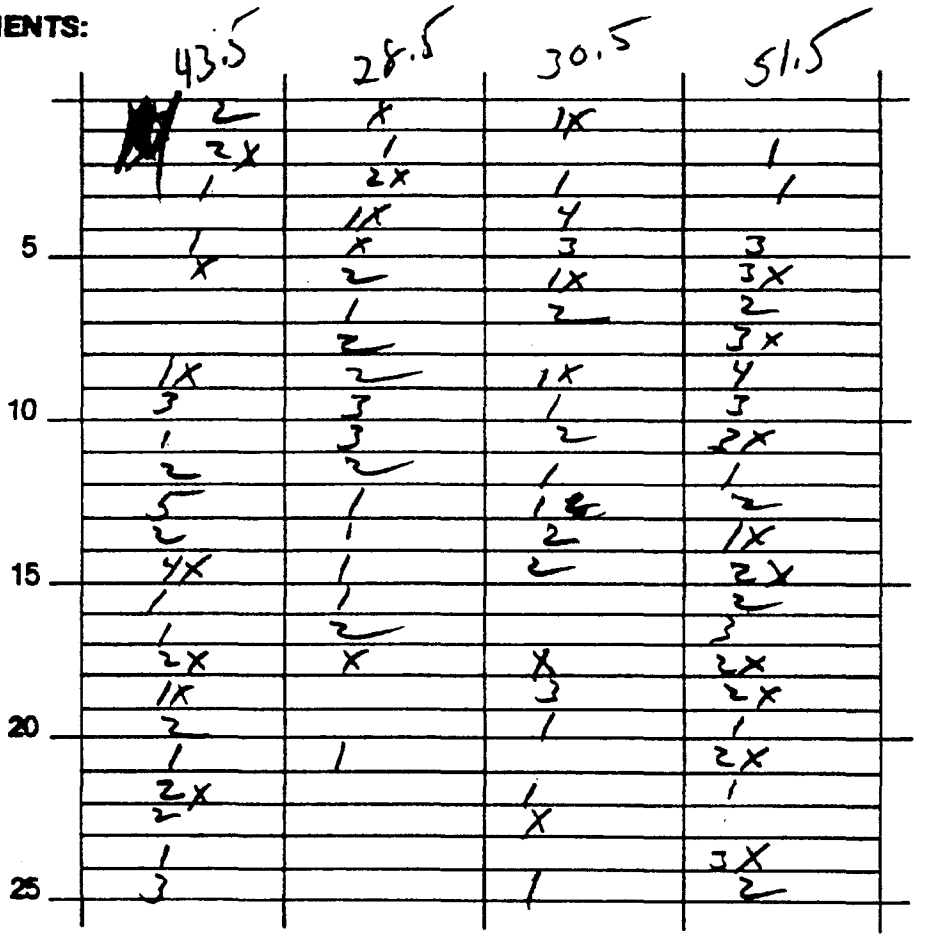
FLOW 2 TIME 30 VOLUME 60 M

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.54 / 3.54 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:



X410626

S-2 — SAMPLE NO.

3/15/79 — DATE

(— INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

COMPANY

LOCATION

SAMPLE: AREA ☐ PERSONAL ☑

Main Circuit
(M- HARRIS)

SAMPLE TIME:

TIME ON 9:28 A ROTOMETER

TIME OFF 9:58 A ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION L

OUTDOORS ☐ WIND 6-9 mph wind from South
Lightly rain

OPERATION

X410627

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. O-39 DATE 5/14/59 MICROSCOPIST BL

FLOW 2 TIME 30 VOLUME 60M

OPTICS PC MAG. 430 FIELD AREA .0062

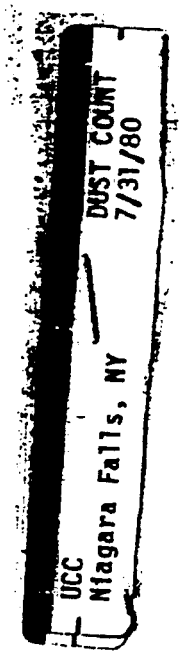
FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE 1.79 / 4.11 AMPHIBOLE ___ / ___ OTHER ___ / ___

COMMENTS:

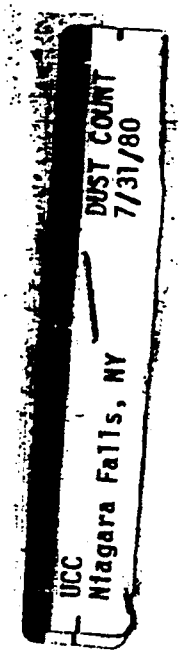
52.5	40	42	
1X	3	X	
1X	1	X	
4	2	4	
2	1	2	
1X	2	3X	
1X	1	2	
4X	1X	4	
1X	1	1	
2X	1	2	
1	2X	3	
1X	1	3	
1	X	2	
2X	2	—	
3X	1	1	
4	1X	2	
2	5	—	
1X	3	2X	
1	1	—	
2	1	1X	
1X	2	1	
1	1	1X	
2	1	—	
3	X	2	
2	1X	1X	
3X	2	X	

X410628



X410630

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/86



X410630

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/87

UCC
Niagara Falls, NY
DUST COUNT
7/31/80

X410630

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/88

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. H-18 DATE 7/28/82 MICROSCOPIST JS

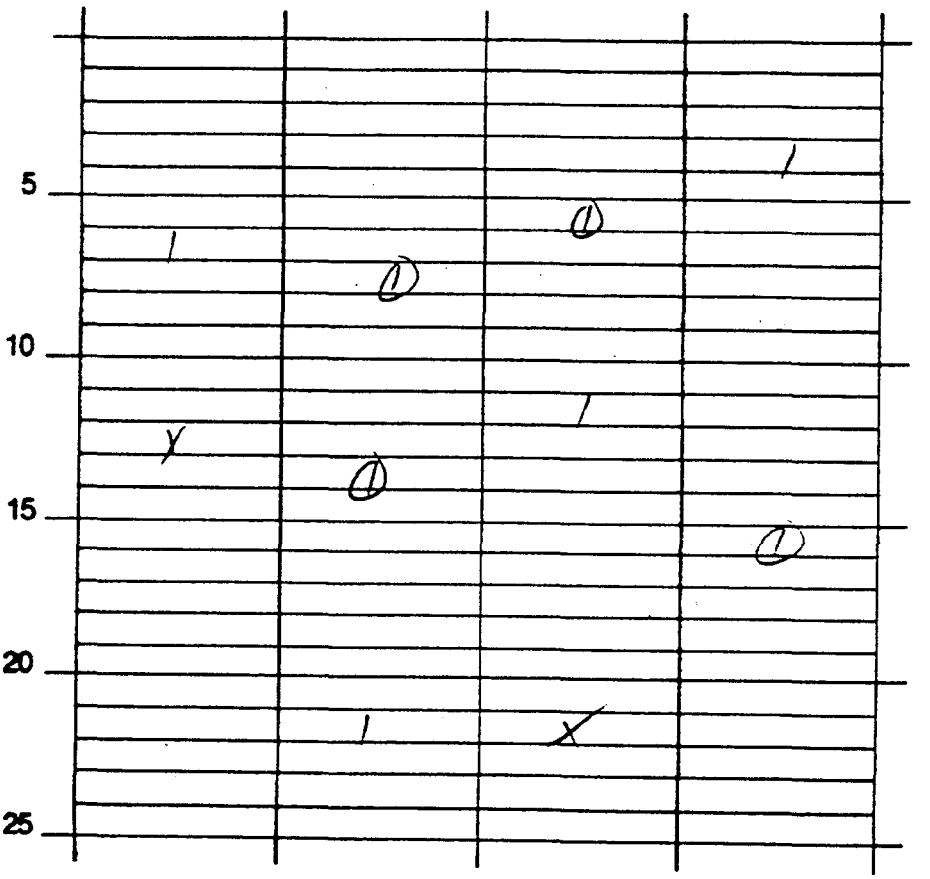
FLOW 2 TIME 450 VOLUME 900 ml

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .075 / .011 AMPHIBOLE .04 / .006 OTHER 1 / 1

COMMENTS: 7.5 hours



X410631

IT 18	7/15/80	JS
SAMPLE NO.	DATE	INSPECTOR
05198	6-	2
INST.	ROTOMETER READING	FLOW RATE (L/M) TIME

UCC

COMPANY

Labs 005

LOCATION

SAMPLE: AREA ☑ PERSONAL ☐

above air conditioning control

SAMPLE TIME:

TIME ON 8:05 ROTOMETER 6-

TIME OFF 3:35 ROTOMETER 6-

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION

OUTDOORS ☐ WIND

OPERATION

Static monitoring

X410632

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. E-45 DATE 7/28/82 MICROSCOPIST JS

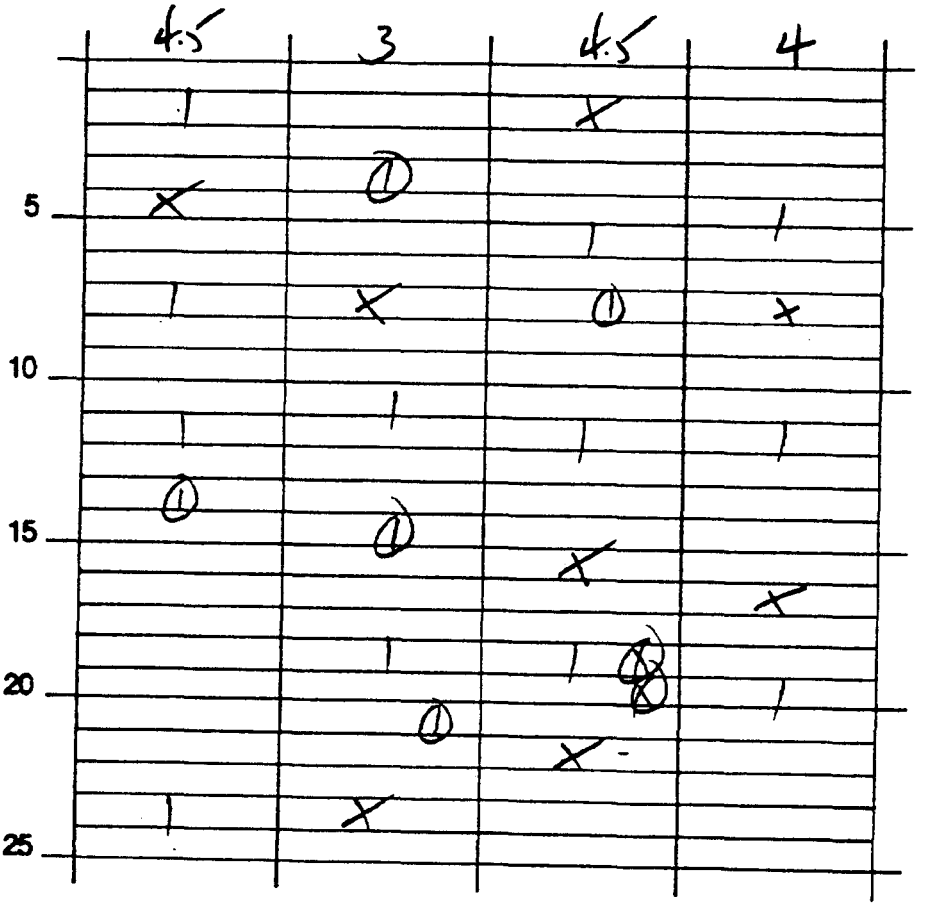
FLOW 2 TIME 865 VOLUME 1730 M

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .16/.013 AMPHIBOLE .06/.005 OTHER 1

COMMENTS: (1) (3) (2)



X410633

F-49 — SAMPLE NO.

7/17&18/82 — DATE

JS — INSPECTOR

05198 — INST.

6- — ROTOMETER READING

2 — FLOW RATE (L/M) TIME

UCC — COMPANY

LAB 205 — LOCATION

SAMPLE: AREA ☑ PERSONAL ☐

Same as H-18

SAMPLE TIME:

TIME ON 9:30-4hrs 7/17/82 ROTOMETER 6-

TIME OFF 8:10-3hrs 7/18/82 ROTOMETER 6-

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION

OUTDOORS ☐ WIND

OPERATION Static Monitoring

X410634

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. H-11 DATE 7/28/80 MICROSCOPIST JS

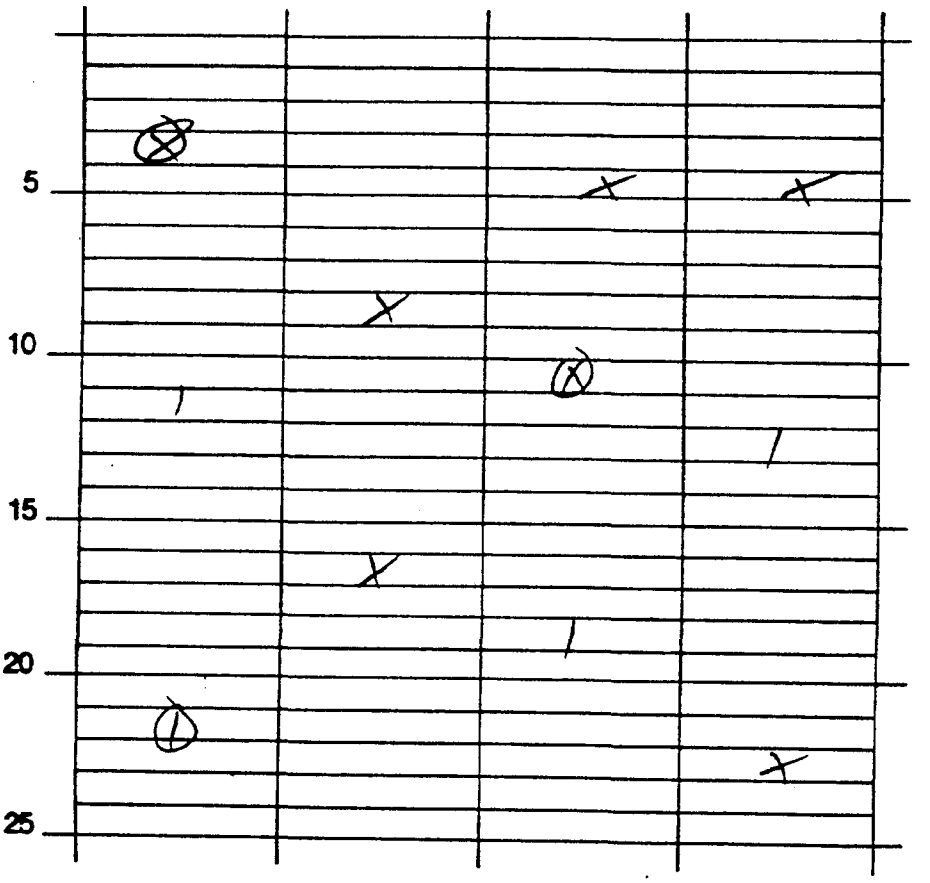
FLOW 2 TIME 443 VOLUME 886 ml

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .055/.009 AMPHIBOLE .02 /.003 OTHER 1

COMMENTS: 7.4 hours.



X410535

H-11 — SAMPLE NO.
7/15/80 — DATE
ES — INSPECTOR
F10-0468 — INST.
6.0 — ROTOMETER READING
2 — FLOW RATE (L/M) TIME
UCC — COMPANY
Jas 118 — LOCATION

SAMPLE: AREA ☑ PERSONAL ☐

between rooms on press

SAMPLE TIME:

TIME ON 8:07 ROTOMETER 6.0

TIME OFF 3:30 ROTOMETER 6.0

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION

OUTDOORS ☐ WIND

OPERATION

Static monitoring

X410636

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. F-29 DATE 7/28/80 MICROSCOPIST JS

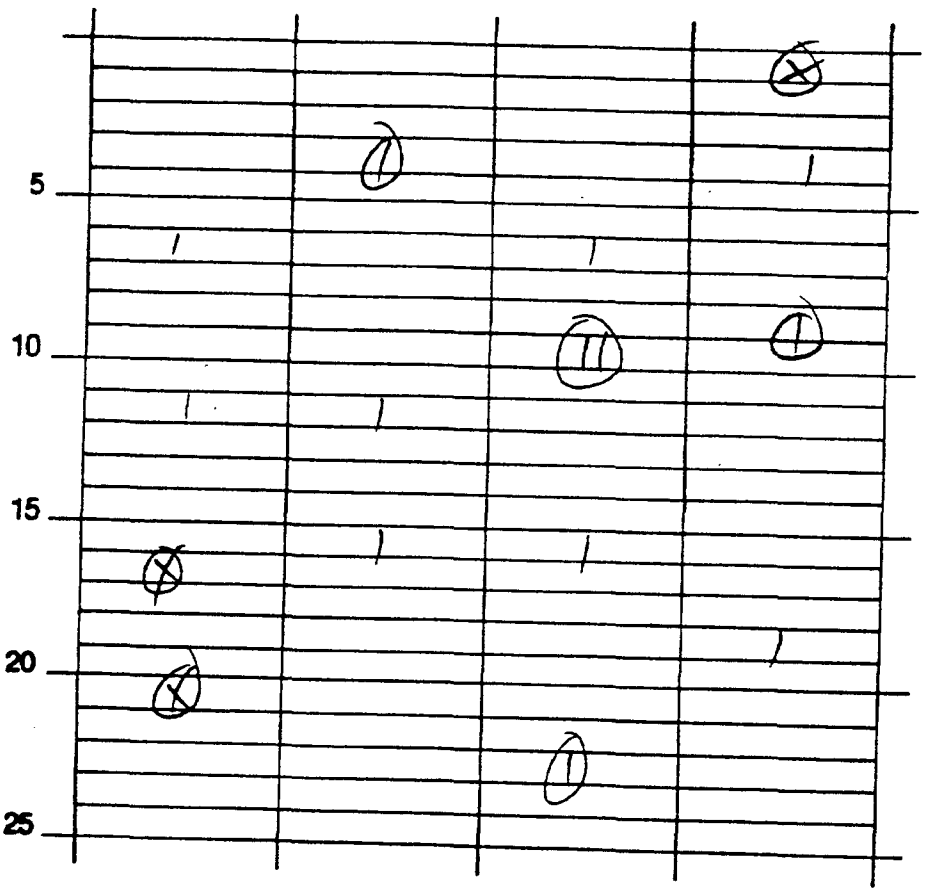
FLOW 2 TIME 825 VOLUME 1730

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .115 / .009 AMPHIBOLE .065 / .005 OTHER 1 /

COMMENTS:



X410637

F29 — SAMPLE NO.

7/17&18/80 — DATE

GJS — INSPECTOR

F10-0468 — INST.

6.0 — ROTOMETER READING

2 — FLOW RATE (L/M) TIME

UCC — COMPANY

Fab 118 — LOCATION

SAMPLE: AREA ☑ PERSONAL ☐

Same as H-11

SAMPLE TIME:

TIME ON 9:07 - 4:00 7/17/80 ROTOMETER 6.0

TIME OFF 8:00 - 3:42 7/18/80 ROTOMETER 6.0

DESCRIPTION OF OPERATION:

INDOORS ☑ VENTILATION

OUTDOORS ☐ WIND

OPERATION

Static Monitoring

X410638

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. S-20 DATE 7/28/80 MICROSCOPIST JS

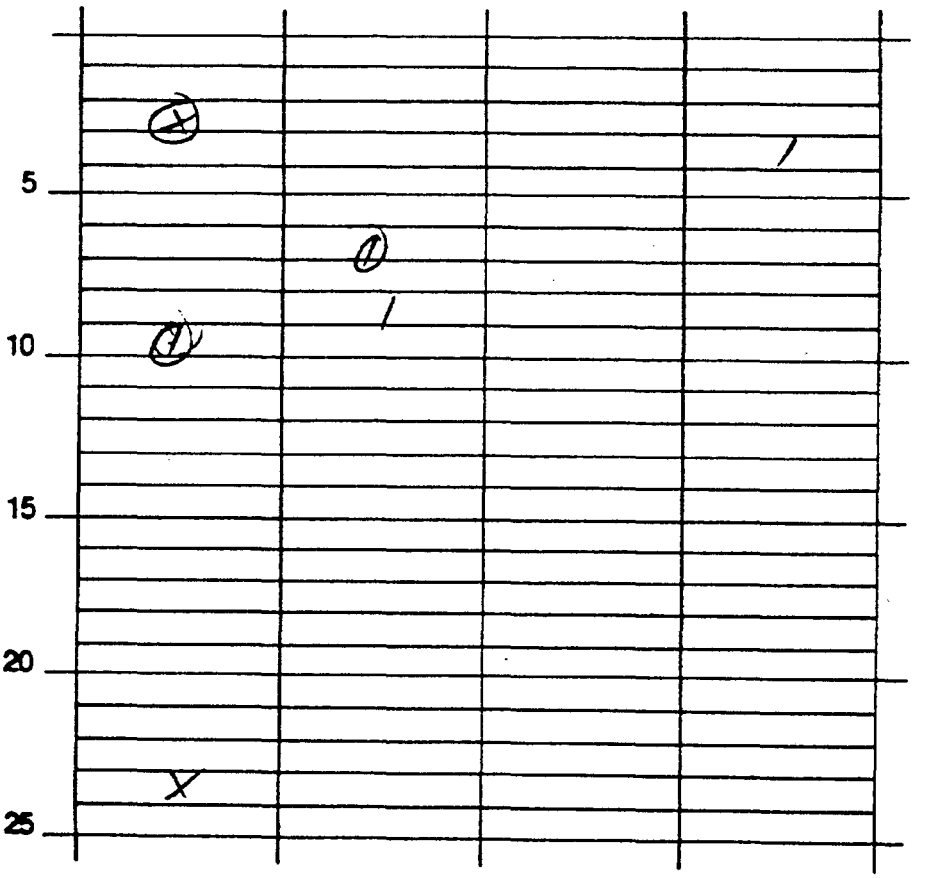
FLOW 1.8 l/m TIME 480 VOLUME 864 M

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .025 / .004 AMPHIBOLE .025 / .004 OTHER 1 / 1

COMMENTS:



X410539

5-20 — SAMPLE NO.

7/28/80 — DATE

75 — INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

UCC — COMPANY

Icing City, Cal — LOCATION

SAMPLE: AREA ☑ PERSONAL ☐

Plant Area Sample

SAMPLE TIME:

TIME ON 8:30 ROTOMETER

TIME OFF 4:30 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☑ WIND

OPERATION

X410640

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 0-47 DATE 7/28/80 MICROSCOPIST [illegible]

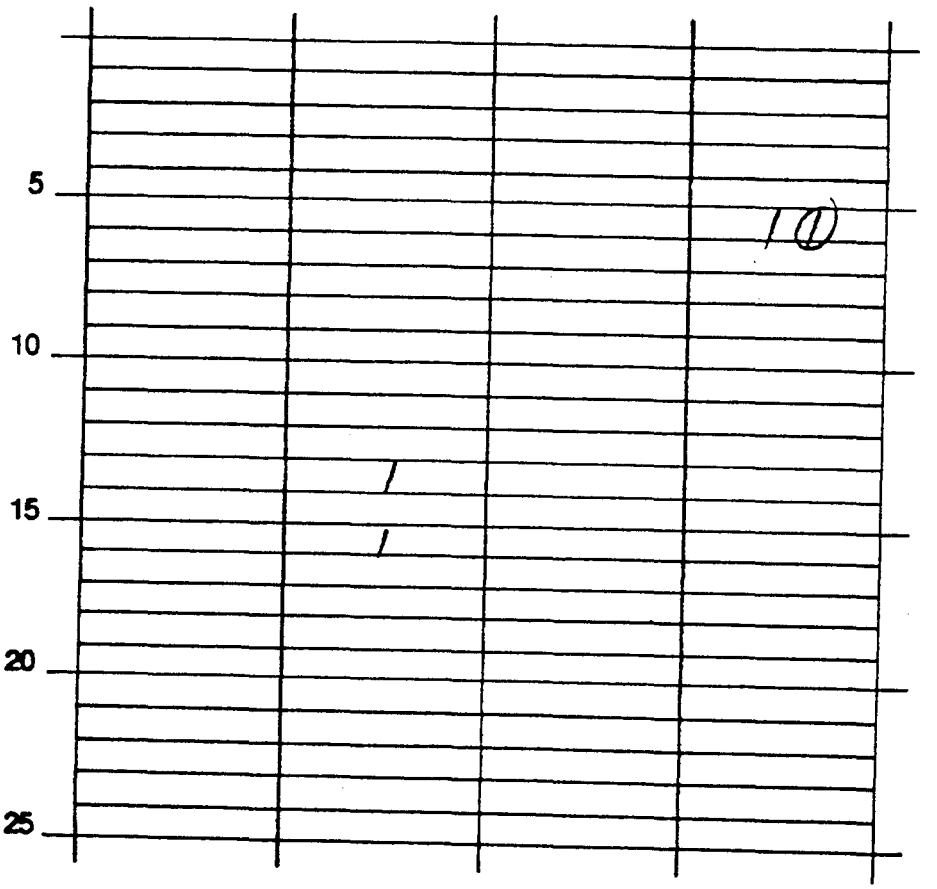
FLOW 1.8 e/m TIME 243 VOLUME 437.4 Ml

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .03 / .009 AMPHIBOLE .01 / .003 OTHER 1 / [illegible]

COMMENTS:



X410641

0-47 — SAMPLE NO.

7/28/80 — DATE

JS — INSPECTOR

INST.

ROTOMETER READING

FLOW RATE (L/M) TIME

UCC

COMPANY

King City, Cal.

LOCATION

SAMPLE: AREA ☑ PERSONAL ☐

Plant Area Samples

North Fence - Between Dock And Ore Trucks

SAMPLE TIME:

TIME ON 10:52 ROTOMETER

TIME OFF 2:55 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☑ WIND

OPERATION

X410642

ASBESTOS COUNT RECORD SHEET

SAMPLE NO. 17-4 DATE 7/28/80 MICROSCOPIST JS

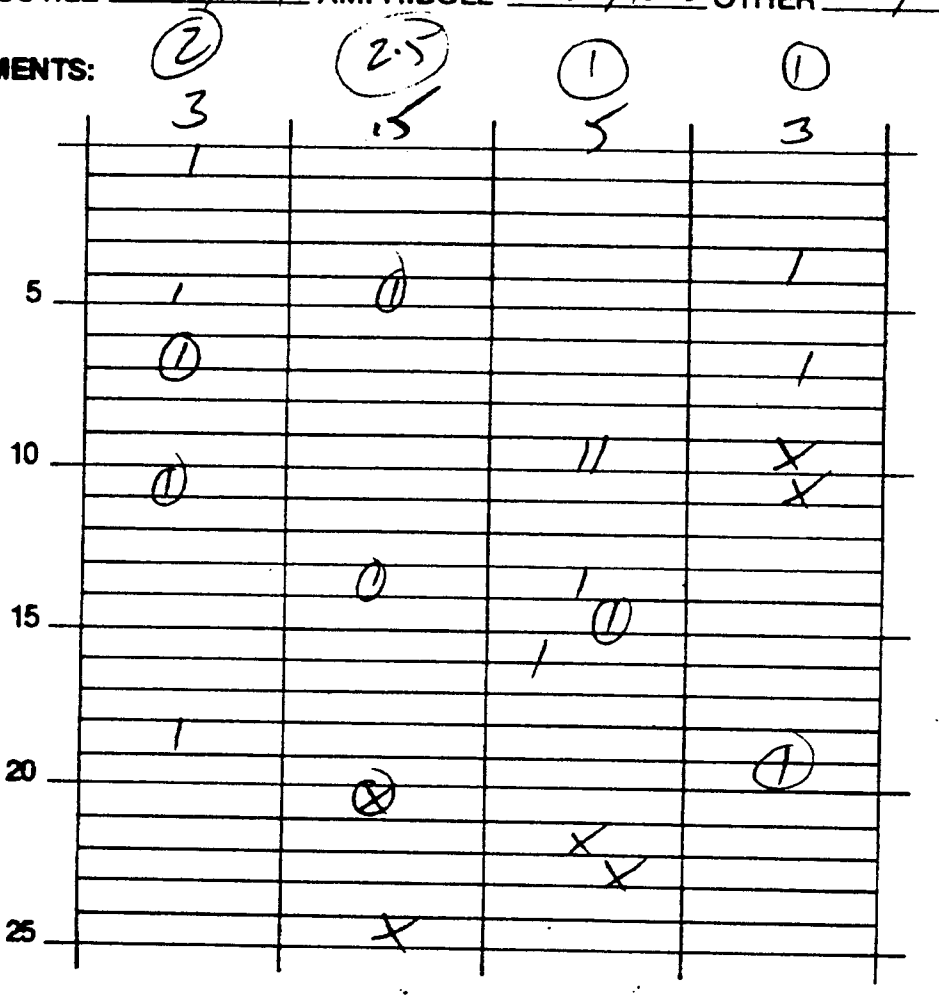
FLOW 1.8 e/m TIME 947 VOLUME 1704.6

OPTICS PC MAG. 400 FIELD AREA .0062

FIBERS PER FIELD / FIBERS PER CC OF AIR

CHRYSOTILE .115 / .009 AMPHIBOLE .05 / .005 OTHER 1

COMMENTS:



X410643

H-4 — SAMPLE NO.

7/28/80 — DATE

-TE — INSPECTOR

INST. | ROTOMETER READING | FLOW RATE (L/M) TIME

UCC

COMPANY

King City, Cal

LOCATION

SAMPLE: AREA ☑ PERSONAL ☐

PLANT AREA Samples

SAME AC 0-47

SAMPLE TIME:

TIME ON 8:36 - 4:30 7/10/80 ROTOMETER

TIME OFF 8:07 - 4:00 7/11/80 ROTOMETER

DESCRIPTION OF OPERATION:

INDOORS ☐ VENTILATION

OUTDOORS ☑ WIND

OPERATION

X410644

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/102

Published by AsbestosClaims.Law
asbestosclaims.law/library/18922/103