

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482
(215) 341-7000

April 21, 1986

CertainTeed 

*Rec'd
for 1985*

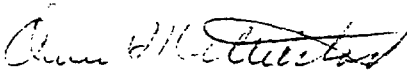
Mr. B. J. Pigg
Asbestos Information Association
1745 Jefferson Davis Highway
Crystal Square 4, Suite 509
Arlington, Virginia, 22202

Dear Mr. Pigg:

Enclosed are the completed AIA Dust Measurement Record Forms for our
A/C pipe plants for the year 1985.

If I can be of further assistance, please contact me.

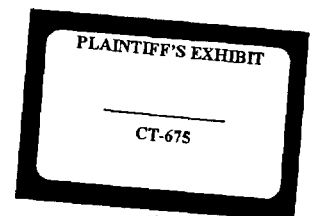
Sincerely yours,



Owen H. Kittilstad
Corporate Director
Health and Safety

OHK/lh

Enclosure



CTD026169

ASBESTOS INTERNATIONAL ASSOCIATION

(Limited by Guarantee)

The asbestos industries' world wide organisation for
environmental and occupational health protection

Hillsboro

68 GLOUCESTER PLACE, LONDON W1H 3HL, ENGLAND

Telephone: 01-486 3528 9

Telex: 298618 INTA G

Your Ref.

Our Ref. AIA/20/2/12/HAS

DUST ADVISORY PANEL OF THE AIA

DUST MEASUREMENT RECORD - WORKPLACE (DMR1A/DMR1B) (Please delete inapplicab
YEAR: 1985 number)

1. COUNTRY/ASSOCIATION..... USA AIA
2. PRODUCT GROUP:

Mining	Milling	Asb.Cement	Friction	Textile	Seals	Millboard
Other (Specify) :						

3. NUMBER OF MINES/MILLS/FACTORIES.....

4. TOTAL WORKFORCE (to include all personnel on pay roll)...138.....

5. TYPE OF MEASUREMENT:

Personal

☒

Static

☒

6. METHOD IN USE:

RTM 1

☐

Other

☐

If RTM 1 is not used specify the alternative method...NIOSH membrane filter method..

7. RANGE OF SAMPLING TIMES USED:

Min. .102..Minutes Max. 477...Minutes

8. NAME AND ADDRESS OF CO-ORDINATOR.....

9. DATA:

Number of registered sampling locations		TOTALS	Dust Concentrations (x) C (f/cm ³)			
			C ≤ 0.5	0.5 < C ≤ 1	1 < C ≤ 2	2 < C
		89				
Number of monitored sampling locations	P	62	0.05	0.63		
	S	5	0.07	0		
Number of exposed workers		123	117	6		
Number of samples taken over the year	P	133	P = Personal S = Static			
	S	6				

(x) Calculated as TWA/8 h basis

CTD026170

Directors: Mr. E. van der Rest (Belgium); Mr. E. Costa (Italy); Sir Neville Stack (Director General & Secretary)

ASBESTOS INTERNATIONAL ASSOCIATION

(Limited by Guarantee)

The asbestos industries' world wide organisation for
environmental and occupational health protection

Positive

68 GLOUCESTER PLACE LONDON W1H 3HL ENGLAND

Telephone: 01-486 3528 9

Telex: 298618 INTA G

Your Ref.

Our Ref: AIA/20/2/12/HAS

DUST ADVISORY PANEL OF THE AIA

DUST MEASUREMENT RECORD WORKPLACE (DMR1A/DMR1B) (Please delete inapplicat
YEAR: 1985 number)

1. COUNTRY/ASSOCIATION.....USA AIA.....
2. PRODUCT GROUP:

Mining	Milling	Asb.Cement	Friction	Textile	Seals	Millboard
Other (Specify) :						

3. NUMBER OF MINES/MILLS/FACTORIES.....

4. TOTAL WORKFORCE (to include all personnel on pay roll).....106

5. TYPE OF MEASUREMENT:

Personal

☒

Static

☒

6. METHOD IN USE:

RTM 1

☐

Other

☐

If RTM 1 is not used specify the alternative method...NIOSH.membrane.filter.method

7. RANGE OF SAMPLING TIMES USED:

Min. .298.Minutes Max. .442.Minutes

8. NAME AND ADDRESS OF CO-ORDINATOR.....

9. DATA:

Number of registered sampling locations		TOTALS	Dust Concentrations (x) C (f/cm ³)			
		73	C ≤ 0.5	0.5 < C ≤ 1	1 < C ≤ 2	2 < C
Number of monitored sampling locations	P	28	0.08			
	S	2	0.16			
Number of exposed workers		64	64			
Number of samples taken over the year	P	44				
	S	33				

P = Personal

S = Static

CTD026171

(x) Calculated as TWA/8 h basis

Directors: Mr. E. van der Rest (Belgium); Mr. E. Costa (Italy); Sir Neville Stack (Director General & Secretary)

TO: L. J. Mellon
FROM: T. A. Dougherty

Larry -

The attached would appear to
be in your area for completion.

Thanks.

Janis - can you do this?
CORP. HEALTH & SAFETY

MAR 19 1986

RECEIVED

CTD026172

AIA

10 Jan 1986

ASBESTOS INTERNATIONAL ASSOCIATION

(Limited by Guarantee)

68 GLOUCESTER PLACE, LONDON W1H 3HL, ENGLAND

MEMORANDUM

To: MEMBER ASSOCIATIONS

In reply
please quote: AIA/20/2/12/HAS

From: DIRECTOR GENERAL

Your Ref:

Subject: See below

Date: 31 January 1986

Subject: DUST MEASUREMENT RECORD - WORKPLACE (DMR 1A/DMR 1B)

Please find enclosed an AIA Dust Measurement Record form for Workplaces (DMR 1A/DMR 1B).

You will remember that last year (our memo AIA/20/2/12/HAS dated 18 January 1985) we requested you to arrange for the completion of these forms in your area for the year 1984.

The Governing Council, on receipt of the results of the survey, were keen for the survey to be repeated for 1985. The lessons learnt from the 1983 and 1984 surveys have been put to use in slightly re-designing the form for 1985.

Would you kindly send copies of the form to your Members asking them to record the information in such a way that data from plants in the same branch are on one form.

In turn, could you collate the information received from different firms by branch (without any identities being divulged) and return the forms to AIA by 30 April next, so that the total results can be drawn up by the Dust Advisory Panel.

Enclosed is a copy of the Dust Evaluation Report for 1984.

T. Shack.

DIRECTOR GENERAL

RECEIVED

MAR 7 1986

Corporate Industrial Relations

cc Executive Committee
Dust Advisory Panel

CTD026173

NOTES FOR GUIDANCE ON
COMPLETING THE DUST MEASUREMENT RECORD
FOR THE WORKPLACE (DMR 1A/DMR 1B)

Introduction

These notes are a guide to the completion of the AIA Dust Measurement Record submitted by each Member Association. It is required that each country should nominate a co-ordinator who will be responsible for the return of the completed forms to A.I.A.

The source of information may vary from company to company since some will have a central dust counting service and others will carry out such work independently at each individual factory. The final aim is to have one Dust Measurement Record for each product group branch in a country.

For asbestos areas the designation DMR 1A should be used. For mixed fibre and/or non-asbestos areas please use the designation DMR 1B.

Method of Completing DMR 1A/DMR 1B

1. - Country/Association

This is self evident. If an Association covers more than one country, there should be a separate return for each country.

2. - Product Group

If there is more than one product group on the same factory site, separate forms should be completed for each product branch.

3. - Number of Mines/Mills/Factories

The number of individual production units is to be recorded.

4. - Total Workforce

This figure should include all personnel on pay roll at the time of completing the record - office, medical, service, etc. The figures recorded in Section 9 (table) should be restricted to the number of workers who are included in the monitoring survey.

5. - Type of Measurement

Personal sampling means that the sampler is worn by the individual and should be representative of the job. Static sampling is taken at pre-determined fixed points, and is generally used for monitoring:

- (a) ambient concentrations
- (b) the effectiveness of engineering control
- or (c) dust suppression measures

rather than for the monitoring of personal exposure

6. - Method in Use

Please state the method used if different to the standard RTM 1: even deviations from RTM 1 should be reported. If more than one method is used please specify.

7. - Range of Sampling Time

By reporting the range of sampling times used one can ascertain whether the determined values of dust concentrations between different countries and/or measuring centres are comparable, since the sampling times determine the detection limit.

8. - Name and Address of Co-ordinator

It is necessary to supply the name and address of a technically qualified co-ordinator who can be contacted to answer queries about the filled-in forms.

9. - DATA

9.1 Number of registered sampling locations

In addition show the total numbers of registered sampling locations (measured and not measured during the year concerned). A registered sampling location is defined as a location which is part of the monitoring programme and should be designated in a plan of the mine mill or factory.

9.2 Number of monitored sampling locations

The number of monitored sampling locations may be lower than the number of registered sampling locations (e.g. due to reduced production or for other reasons not all registered locations are available for sampling).

In reporting the dust concentrations, the results of personal and static sampling (calculated as time weighted averages on an 8 hours basis) should be reported separately. For each monitored sampling location the annual mean value has to be entered if more than one measurement took place in this location over the year These mean values indicate to which concentration columns the respective monitored sampling locations have to be allocated. The number of monitored sampling locations in the respective concentration ranges must then be entered into these columns.

9.3 Number of workers (total of different shifts in the monitored sampling locations) exposed in the respective concentration ranges.

Report the number of workers exposed in each dust concentration category (number should include workers of all shifts). The numbers needed here are those directly working in the monitored sampling locations.

9.4 Number of samples taken over the year

Here the total number of samples has to be entered if at the same location more than one sample per year was taken.

CTD026175

Evaluation
of
AIA Dust Measurement Records - Workplace (DMR 1)
1984

October 1985

Prof. Dr. K. Robock
K. Michel
F. Schneider

- 1 Due to a delay in the supply of the software and the required graphic programmes, it was not possible to draw up this report and to carry out the evaluation before October 1985.
- 2 As per agreement with the AIA, London, a numerical code for 31 countries (No. 1 to 31) was fixed and used. AIA, London, has the key to this code.
- 3 38 records (for 1 or more branches per country) from 24 countries were sent in.

No records or records which could not be evaluated were received from following 7 countries:

No. 12, 15, 18, 26, 28, 29, 30

- 4 A fully evaluable situation was on hand
 - . for all branches (including a/c) from country No. 10,
 - . for the a/c branch from countries No. 4, 7, 16, 23, 24, 25 and 27,
 - . for milling/mining from countries No. 1 and 3.
Country No. 1, however, indicated the mean values for different workplace areas and not the actual individual values for each measuring point (119 'measuring points' only for 5297 employees) so that the dust situation here does not correspond with the 'actual' situation. This will, however, be remedied in the future.
- 5 The graphic evaluation- for the countries listed under 4- of the dust situation (circle on the left) and the number of exposed employees in different concentration areas (circle on the right) represents the first part of this report. Only the personal data was used here for the dust situation.

CTD026177

- 6 The graphic evaluation of the dust situation in those countries, from which no details on exposed employees could be obtained, represent the second part of this report.
- 7 An exclusively personal sampling was only effected by the countries

No. 23, 24 and 25

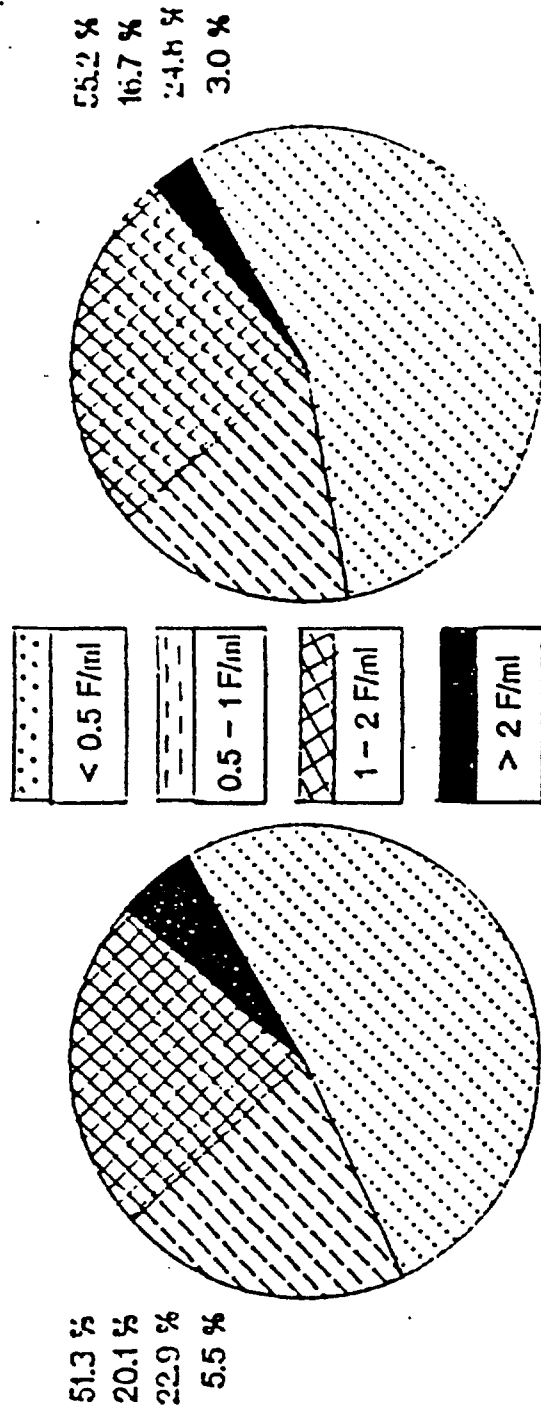
In all other countries static sampling was additionally effected which is only conditionally comparable with personal sampling.

- 8 The third part of this report contains the synoptic tables of the total computer evaluation (divided, yet again, into Part A / cf. Item 5 and Part B / cf. Item 6) which give a complete survey.

Recommendations:

- A uniform measuring strategy has to be applied, i.e. personal sampling on the basis of a job description and fixing of these measuring points for a job description in the form of registered sampling locations (factory layout) has to be effected.
- The number of employees, exposed to the dust situation at such a registered sampling location, must be known and reported.
- A decision has to be reached on the use of the results from static sampling.
- Working instructions for sampling and for recording of the necessary data at the workplace could serve to reach a standardisation of the measuring strategy and the reporting.
- For asbestos areas the designation DMR 1/A should, in future, be used and for mixed fibre and/or non-asbestos areas the designation DMR 1/B.

AIA Dust Measurement Records (DMR 1) 1984 MIN/MIL Branch, Country No.1

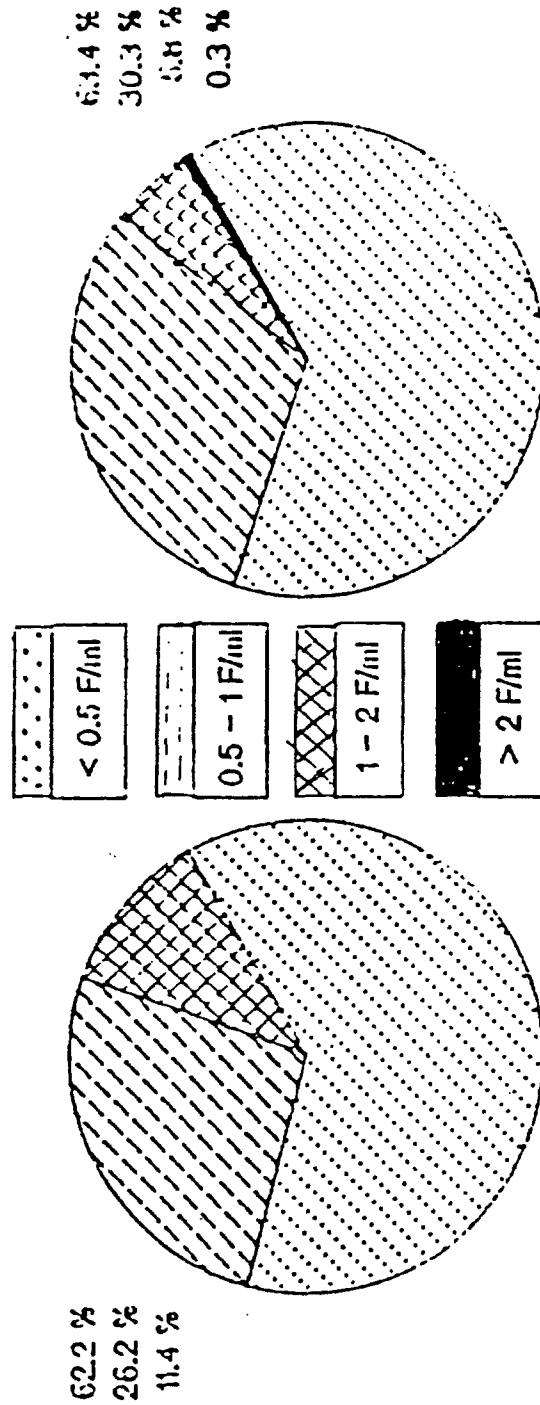


Measured Locations Workers exposed

91.5 % of 119 reg. Locations

5297

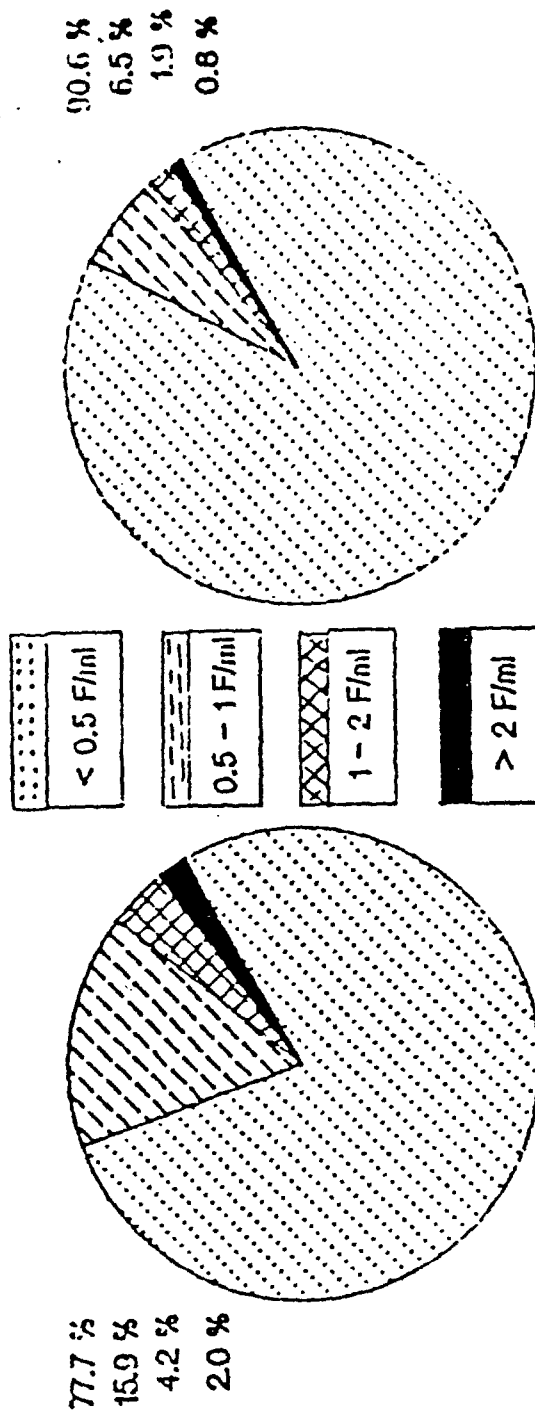
AIA Dust Measurement Records (DMR 1) 1984 MIN/MIL Branch, Country No.3



Measured Locations Workers exposed

84.7 % of 72 reg. Locations

AIA Dust Measurement Records (DMR 1) 1984 AC Branch, all Countries



Measured Locations Workers exposed

67.2 % of 3242 reg. Locations
(in 8 Countries)

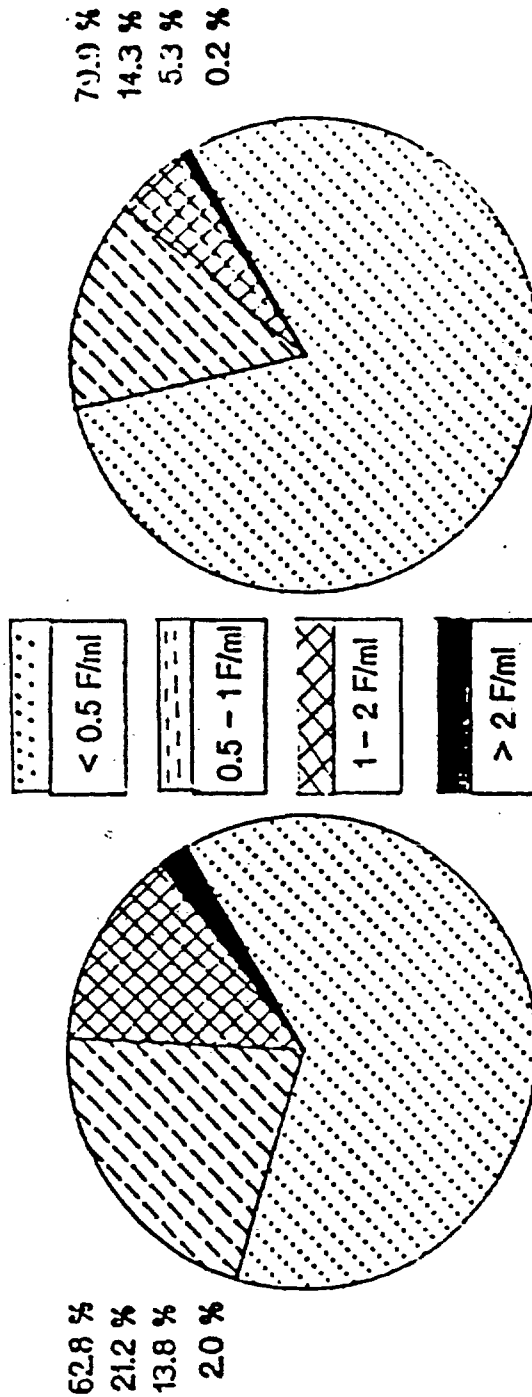
5752
(in 8 Countries)

Country

04, 07, 10, 16, 23, 24, 25, 27

AIA Dust Measurement Records (DMR 1) 1984

FR Branch, All Countries



Measured Locations

73.8 % of 536 reg. Locations

(In 1 Country)

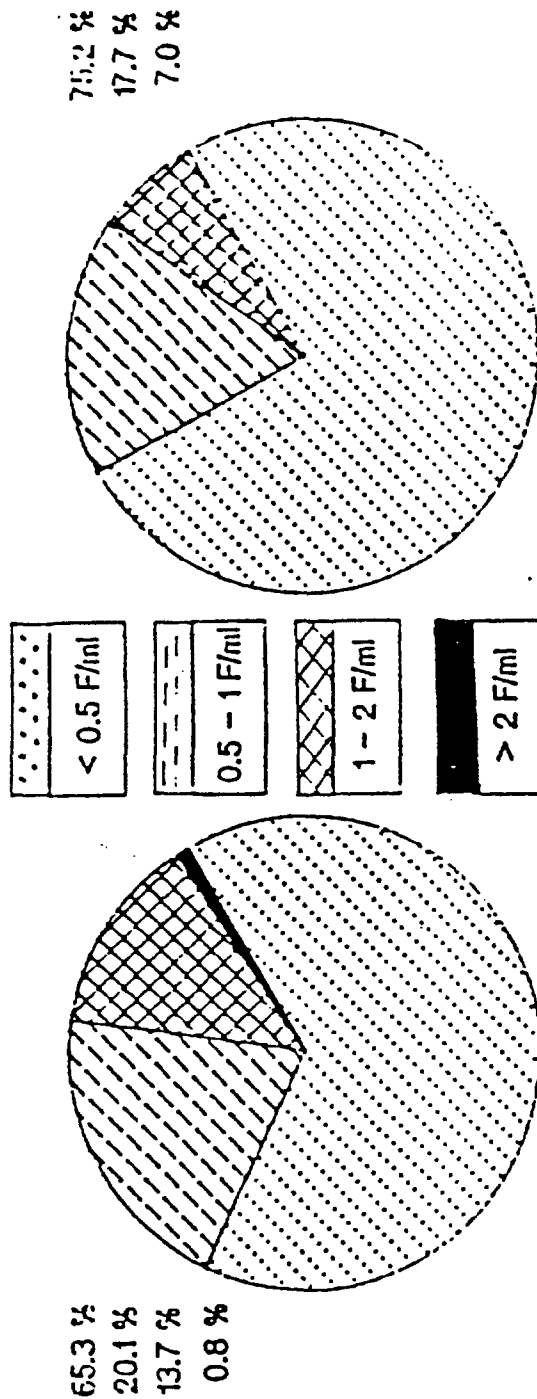
Country 10

Workers exposed

2423

(In 1 Country)

AIA Dust Measurement Records (DMR 1) 1984 TEX Branch, All Countries

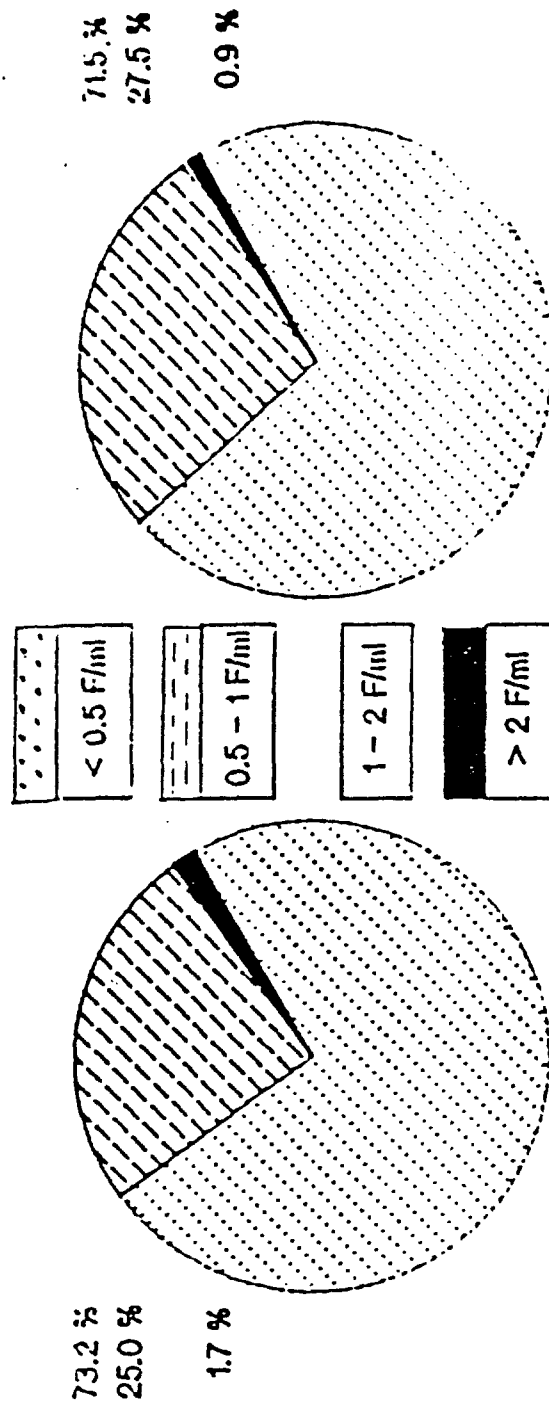


Measured Locations
 Workers exposed

64.9 % of 191 reg. Locations
 (In 1 Country)
 Country 10

596
 (In 1 Country)

AIA Dust Measurement Records (DMR 1) 1984 Other Branches, All Countries



Measured Locations

73.6 % of 76 reg. Locations
(in 1 Country)

Workers exposed

109
(in 1 Country)

Country 10