

CertainTeed Corporation
PO Box 860
Valley Forge, PA 19482-0101
215 341-7000

Noted 1/1/91

CertainTeed 

July 30, 1990

FAX: (703) 979-1152

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

Dear Bob:

Attached is our completed AIA Dust Measurement Record (DMR) 1989. I was aiming for the August 1st Deadline, however I just reread your letter and realized that you had requested the information by July 13. I apologize for getting this to you so late, I do hope you can still include us in your final report.

We are presently in the middle of installing a new computer system. We had quite a time getting this information out of the data base, hopefully it will be easier as we learn the new system.

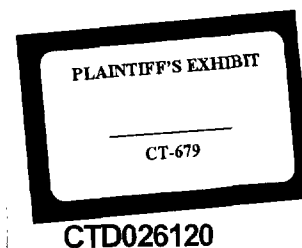
If I can be of any further assistance, please contact me. Again, I apologize for the delay in responding.

Sincerely,



Janis Woodson Reynolds
Sr. Industrial Hygienist

Attachment





The Asbestos International Association for environmental and occupational health protection wherever asbestos or other fibres are used for the same purposes

A.I.A. DUST MEASUREMENT RECORD (DMR) 1989

(Guidance for completing the form is provided in annex)

Please complete this enquiry anonymously, using a separate form for each factory under your control, and return them promptly to:

Asbestos Information Association (AIA/NA)
1745 Jefferson Davis Highway
Crystal Square Suite 509
Arlington Virginia 22202

1 - IDENTIFY INDIVIDUAL FACTORY PRODUCT GROUP

Mines/Mills
Asbestos-Cement
Friction Materials
Textiles
Others (specify)

Total Workforce	Workers Under survey
70	31

2 - STATE WHICH FIBROUS MATERIALS ARE BEING USED

Chrysotile
Amphibole (specify)
M.M.M.F., Aramids, etc...(specify below)
.....

(1)
✓
✓

3 - WHAT ARE YOUR NATIONAL CONTROL STANDARDS

Chrysotile
Amphibole (specify) *Ch. acidolite*
M.M.M.F., Aramids, etc...(specify below)
.....

(2)
0.2 f/cc
0.2 f/cc

4 - WHICH SAMPLING AND FIBRE COUNTING METHOD IS USED

RTM 1
ERM
NIOSH
OTHER (specify)

(1)
✓

(1) Mark with a cross as appropriate

(2) Complete with units as appropriate

CTD026121

5 - STATE YOUR NORMAL SAMPLING DURATION

(2)
7-8 Hrs

6 - DOES YOUR COUNTING LABORATORY TAKE PART
IN A QUALITY CONTROL SCHEME

A.I.A. (Fibre Counting Trial)
Your own laboratory scheme
Other (specify) John Hopkins University

(1)
☒
☒
☒

7 - DO YOU CARRY OUT GRAVIMETRIC SAMPLING

IF YES STATE FOR WHICH SUBSTANCES

Total Dust, Respirable Dust & Silica

YES/NO
yes

8 - DISTRIBUTION OF MONITORING DATA FOR THE CURRENT CALENDAR YEAR

1989 CLASS F/cm3	NUMBER		
	PERSONAL SAMPLES	STATIC SAMPLES	WORKERS IN THE CLASS
$C \leq 0.1$	16	1	21
$0.1 < C \leq 0.2$	5		10
$0.2 < C \leq 0.3$			
$0.3 < C \leq 0.4$			
$0.4 < C \leq 0.5$			
$0.5 < C \leq 0.6$			
$0.6 < C \leq 0.7$			
$0.7 < C \leq 0.8$			
$0.8 < C \leq 0.9$			
$0.9 < C \leq 1.0$			
$1.0 < C \leq 2.0$			
$C > 2.0$			
TOTAL NUMBER	21	1	(*) 31

(*) Should equal number of workers under survey as in para 1

9 - INDICATE WHETHER PERSONS EXPOSED IN EXCESS
OF EXISTING CONTROL STANDARDS ARE PROVIDED
WITH RESPIRATORS

YES/NO
yes

10 - ARE THERE ANY RELATED MATTERS WHICH YOU REQUIRE
ASSISTANCE WITH

YES/NO
NO

(1) Mark with a cross as appropriate

(2) Complete with units as appropriate

Issued by AIA on

09/04/90

CTD026122



ASBESTOS INFORMATION ASSOCIATION

1745 Jefferson Davis Highway, Crystal Square 4, Suite 509
Arlington, Virginia 22202 • (703) 979-1150 • FAX (703) 979-1152

TRACER

April 20, 1990

Memorandum For: AIA/NA Members (less Canadian Producers)

Subject: Dust Measurement Record (DMR) 1989
(Asbestos International Association)

Please find enclosed a copy of the Asbestos International Association's (AIA) letter dated April 9, 1990 and attachment thereto.

It will be recalled from previous efforts of this nature that the AIA, with approval of its Governing Council, has collected data on dust levels in factories and mines and mills from companies belonging to national associations that are members of the Asbestos International Association. Surveys were conducted for the years 1983-1988. This survey applies to 1989.

It is understood that the asbestos producers in Canada will be participating in this survey through The Asbestos Institute.

AIA/NA members and other interested companies that have participated in prior surveys include the following for which sincere appreciation is extended:

→ Allied-Signal (Bendix)	Grundy Industries
CAPCO Pipe Company	Monsey Products
CertainTeed	Nuturn
KCAC	Supradur
Henry Company	Vermont Asbestos Group

Accordingly, AIA/NA members (less Canadian producers) are requested to give close attention to the enclosures at your earliest convenience. Return of the AIA DUST MEASUREMENT RECORD (DMR) 1989 to this office by July 13, 1990 would allow for collation and transmission to AIA

CTD026123

April 20, 1990
Memo: DMR/1989/AIA
page2

within the timeframe requested. Presentation of the collected data on a world-wide basis is planned during the 23rd International Congress on Occupational Health in September 1990 at Montreal, Canada, and the AIA Biennial Conference scheduled for March 4-6, 1991 in New Delhi, India.

By copy of this memorandum, we invite and encourage companies who are not members of this Association, but have made financial contributions to our work, to participate in this important survey.

Thank you in advance for your assistance. Please let us know should you have questions or if we can be of help in any way.


B. J. Figg
President

Enclosures

cc: AIA/NA Contributors
Daniel Bouige, AIA (less encls)
Michel Gratton, AI (less encls)

CTD026124



The Asbestos International Association for environmental and occupational health protection wherever asbestos or other fibres are used for the same purposes

9th April 1990

AIA/20/2/12/HAS

To: Member Associations

From: Director General

Mr B.J Pigg
AIA/NA Asbestos Information
Association/North America
1745 Jefferson Davis Highway
Crystal Square Suite 509
Arlington Virginia 22202

Subject : DUST MEASUREMENT RECORDS (DMR's) 1989

The attached revised DMR forms are now provided to you under a new format which the DAP has developed to take into account the experience accumulated on the subject (if you wish to receive the forms in Spanish or French for extending the enquiry to companies abroad, please contact this office).

This new format is applicable to each factory concerned which is requested to complete the form individually and anonymously.

All companies or factories should then return these forms to their National Association as pre-printed on the top part of the form.

Association Members are then requested to simply forward to AIA Paris copies of their individual returns as they become available from their members companies.

The DAP is of the opinion that this procedure will allow for a better understanding of the situation together with a shorter delay in preparing the final AIA report.

It is again pointed out that full confidentiality and anonymity of the data will be preserved as required by the Governing Council.

As we anticipate to present an evaluation of this enquiry at the 23rd International Congress on Occupational Health on September 1990 in Montreal, we need to fix the deadline for return of the forms before August the 1st, 1990.

Best regards,


D. Bouige

Enclosure : 1

CTDG26125

cc: Executive Committee

ANNEX to 1889 DMR Forms

1 9 9 0

**NOTES FOR GUIDANCE WHEN COMPLETING
THE DUST MEASUREMENT RECORD**

(DMR)

The DMR is confidential and only an AIA composite report will be made public. Individual factories and companies will not be disclosed.

The total workforce referred to in Question 1 should include all personnel on the pay roll including office staff, etc.

The "workers under survey" referred to in question 1 are the number of workers to whom an exposure index is assigned in the factory records.

The enquiry about laboratory control schemes referred to in question 6 reflects the importance of this issue and all laboratories carrying out analysis should take part in a well constructed scheme. The AIA counting trial is available to all AIA member associations.

The table 8 requesting information about the monitoring data refers to both static and personal sampling. Personal samples are intended to monitor exposure of individual persons and are attached to the person being monitored. Static samples are used to measure general dust levels and are used for engineering control purposes. The column headed "Workers in the Class" refers to the number of persons allocated to each class of measurement. For instance if a sample is taken to represent a work group of 10 persons because their work practices are identical the entry should be 10 and not 1. Considerable care is necessary when deciding upon group representation of this nature. Most workers have individual work practices which greatly influence exposure.

If there is good reason to report results in Section (8) as separate groups, e.g. persons working only with glass wool and no asbestos etc. then it is permissible to submit that group on a separate and full recorded sheet.

issued by AIA 9/04/1990

CTD026126



The Asbestos International Association for environmental and occupational health protection wherever asbestos or other fibres are used for the same purposes

A.I.A. DUST MEASUREMENT RECORD (DMR) 1989

(Guidance for completing the form is provided in annex)

Please complete this enquiry anonymously, using a separate form for each factory under your control, and return them promptly to:

Asbestos Information Association (AIA/NA)

1745 Jefferson Davis Highway

Crystal Square Suite 509

Arlington Virginia 22202

1 - IDENTIFY INDIVIDUAL FACTORY PRODUCT GROUP

Mines/Mills
Asbestos-Cement
Friction Materials
Textiles
Others (specify)

Total Workforce	Workers Under survey in 1989
70	31

2 - STATE WHICH FIBROUS MATERIALS ARE BEING USED

Chrysotile
Amphibole (specify) *crocidolite*
M.M.M.F., Aramids, etc...(specify below)
.....

(1)
☒
☒

3 - WHAT ARE YOUR NATIONAL CONTROL STANDARDS

Chrysotile
Amphibole (specify)
M.M.M.F., Aramids, etc...(specify below)
Fibrous Glass

(2)
• 2 f/cc
• 2 f/cc

3 f/cc 15 TD STD

4 - WHICH SAMPLING AND FIBRE COUNTING METHOD IS USED

RTM 1
ERM
NIOSH
OTHER (specify)

(1)
☒

(1) Mark with a cross as appropriate

(2) Complete with units as appropriate

CTD026127

5 - STATE YOUR NORMAL SAMPLING DURATION

(2)

**6 - DOES YOUR COUNTING LABORATORY TAKE PART
IN A QUALITY CONTROL SCHEME**

A.I.A. (Fibre Counting Trial)

Your own laboratory scheme.....

Other (specify) *John Hopkins University
Bureau of Fibers*

(1)

✓
✓
✓

7 - DO YOU CARRY OUT GRAVIMETRIC SAMPLING

IF YES STATE FOR WHICH SUBSTANCES

Asbestos

YES/NO

8 - DISTRIBUTION OF MONITORING DATA FOR THE CURRENT CALENDAR YEAR

1989 CLASS F/cm3	NUMBER		
	PERSONAL SAMPLES	STATIC SAMPLES	WORKERS IN THE CLASS
$C \leq 0.1$	<i>/ / / / / / / / / /</i>	<i>1</i>	<i>3, 3, 3, 3, 2, 2, 2, 2, 1, 2, 21</i>
$0.1 < C \leq 0.2$	<i>/ / / /</i>		<i>(3) 1, 6 (10)</i>
$0.2 < C \leq 0.3$			
$0.3 < C \leq 0.4$			
$0.4 < C \leq 0.5$			
$0.5 < C \leq 0.6$			
$0.6 < C \leq 0.7$			
$0.7 < C \leq 0.8$			
$0.8 < C \leq 0.9$			
$0.9 < C \leq 1.0$			
$1.0 < C \leq 2.0$			
$C > 2.0$			
TOTAL NUMBER	<i>22</i>	<i>1</i>	<i>(*) 31</i>

(*) Should equal number of workers under survey as in para 1

**9 - INDICATE WHETHER PERSONS EXPOSED IN EXCESS
OF EXISTING CONTROL STANDARDS ARE PROVIDED
WITH RESPIRATORS**

YES/NO

**10 - ARE THERE ANY RELATED MATTERS WHICH YOU REQUIRE
ASSISTANCE WITH**

YES/NO

- (1) Mark with a cross as appropriate
(2) Complete with units as appropriate

Issued by AIA as

09/04/90

CTD026128

@AVG)
@LHC)

88, 89, 90

Three samples
were taken in
1989

Relief

~~0.02~~ 0.05

0.087

Mixer

~~.01~~ .04 0.05

3

Mach T

~~.04~~ ~~>0.01~~ ~~0.03~~ 0.056

3

Popper

~~0.01~~

0.147

3

M. Han

~~0.017~~

3

Satellite

~~0.03~~ 0.02 ~~0.05~~ 0.027

2

Hydro

~~0.01~~

2

Handler

~~0.05~~ 0.04 ~~0.06~~

6

Asp

~~0.02~~

1

Network

~~0.03~~ 0.02 ~~0.09~~ 0.13 ~~0.03~~

2

Cplg

~~0.04~~ ~~0.01~~ ~~0.09~~ ~~0.09~~ 0.01

2

Wettest

~~0.01~~ ~~0.01~~ ~~0.01~~

2

1/4

~~0.01~~ ~~0.01~~ 0.02 0.02 ~~>0.01~~

1

Fit

~~0.01~~ ~~0.01~~ ~~0.01~~

1

NE
0.01

88 89 90

Fil Imp ~~0.02~~ ~~0.03~~ ~~0.047~~

Crusher

~~0.01~~ 0.07 ~~0.29~~
 0.15 ~~0.09~~ 0.125 0.20
 0.3 0.24 0.46
 0.18 0.403 0.008 0.018 0.013 0.03
 0.27

main [Mechanic

Loader

B. mill ~~0.02~~ ~~0.03~~ ~~0.044~~

42" ~~0.06~~ ~~0.01~~ ~~0.02~~

M

QC ~~0.01~~ ~~0.049~~

M

Roller ~~0.019~~ ~~0.01~~

M

Stores ~~0.017~~

(2)

~~0.038~~
 $1.645 (2.16)^{1.96}$
 0.38

$0.038 / 50^{1.96}$

$\frac{0.038}{2.16^{1.96}}$

$0.038 * 2.16^{1.96} =$

0.172

$\frac{0.0084}{4.524}$