



LABORATOIRE D'HYGIENE ET DE
CONTROLE DES FIBRES MINÉRALES

10, rue de la Pépinière, 75008 PARIS
Tél. : (1) 45 22 12 34 - Téléc : 281 133

PARIS, March 24th, 1989

RECEIVED MAR 31 1989

Mrs. Janis WOODSON
CERTAINTED CORPORATION
750 East Swedesford Road
Valley Forge
Pennsylvania, 19482
U.S.A.

Ref. : ASBESTOS COUNTING TRIAL 1988

Dear Mrs. Janis WOODSON

You will find enclosed a provisional report of the 1988 circulation, in which one or several counters of your company have participated.

This provisional report indicates roughly the position of your counters compared to the others, and their tendency to over or underestimate the number of fibres on a sample.

The final report will be sent to you as soon as all counting results will be available.

Best Regards,

A. Baujon,
Director.

Encl. 2

PLAINTIFF'S EXHIBIT

CT-668

CTD026290



ASBESTOS COUNTING TRIAL
1988

Provisional Report

This report has been established on the basis of the counting results available at this time and some slight changes in the classification of the counters may occur at the end of the circulation.

As in the 1987 slide exchange, counters have been classified into three groups :

- Group 1 : Counters with a coefficient of variation⁽¹⁾ less than 30 %
and
a normalised mean⁽²⁾ between 0.50 and 1.25
- Group 2 : Counters with a coefficient of variation less than 50 %
and
a normalised mean between 0.50 and 1.50
- Group 3 : Counters with a coefficient of variation greater than 50 %
or
a normalised mean outside of the range 0.50 and 1.50

The position of each counter is shown on the diagram, and the "red point" indicates the individual result of the counter.

A final version of this report will be forwarded as soon as all registered counters have returned their results.

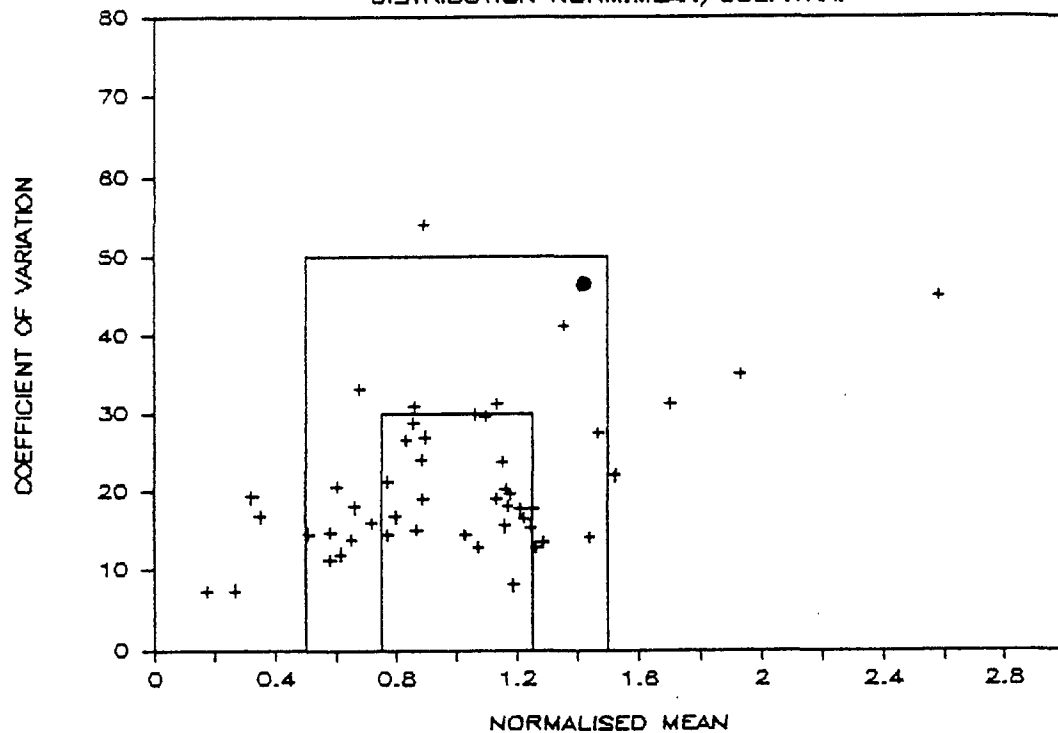
It is reminded that all the data and results are strictly anonymous.

(1) Coefficient of variation (intra-lab index) = the standard deviation (of a counter's normalised results) divided by the normalised mean. It is an index of the dispersion of the counter's results.

(2) Normalised mean (inter-lab index) = average of the counter's normalised results. It is an indication of over-estimation or underestimation.

ASBESTOS COUNTING TRIAL 1988

DISTRIBUTION NORM.MEAN/COEF.VAR.



I	COMPANY :	CERTAINTED CORP.	I
I	NAME OF THE COUNTER :	J. WOODSON	I
I	COEFFICIENT OF VARIATION :	46.5	I
I	NORMALISED MEAN :	1.41	I



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GUIDANCE NOTE FOR THE
ASBESTOS COUNTING TRIAL OF THE A. I. A.

11/15/88
sent
airmail
12/10/88

- A set of 12 slides has been sent to your laboratory.
- Each counter previously registered should perform a unique count per slide and report the numbers of fibres and fields.
- It is essential that those slides should not be treated as special samples but should be counted under the complete routine procedure of your laboratory.
- Results of your counts should be sent back direct to the L.H.C.F. by telex (281133 F) under the following format :

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Country : USA
Company : CertainTeed Corporation
Name of the counter : Janis Woodson
Magnification of the microscope : 400X
Graticule (type and area in mm2) : Walton/Beckett .00785 mm2
Counting method : NIOSH 7400 A Rules

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Reference of slide	I I	Number of fibres	I I	Number of fields	I I	Comment
1B	I	104.5	I	39	I	
2B	I	114.5	I	103	I	
3B	I	123	I	40	I	
4B	I	100.5	I	72	I	heavy particulate
5B	I	4	I	100	I	count could be
6B	I	100.5	I	40	I	higher
7B	I	131	I	64	I	
8B	I	146	I	20	I	
9B	I	113	I	92	I	
10B	I	57	I	100	I	
11B	I	102	I	87	I	
12B	I	46	I	100	I	

- After counting, your laboratory should circulate the slides according to the procedure set up by the organiser in your country
- It is imperative that a set of slides should not stay longer than one week in each laboratory.

CTD026293



LABORATOIRE D'HYGIENE ET DE
CONTROLE DES FIBRES MINÉRALES

10, rue de la Pépinière, 75008 PARIS
Tél. : (1) 45 22 12 34 - Téléc : 281 133

LIST OF LABORATORIES HAVING RETURNED

A REGISTRATION FORM

- Certainteed Corporation
750 East Swedesford Road
Valley Forge
Pennsylvania, 19482

Correspondant : Janis Woodson

JW rec'd 10/11/88
sent 11/14/88
sent results
Telex 11/15/88

- Monsey Product Company
Cold Stream Road
Kimberton
P. A. 19442

Correspondant : William G; Sshomp

- Nuturn Corporation
1, Grizzly Lane
Smithville
TN, 37116

Correspondant : Judy Kimbrell

CTD026294



LABORATOIRE D'HYGIENE ET DE
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10, rue de la Pépinière, 75008 PARIS

Tél. : (1) 45 22 12 34 - Téléc : 281 133

Paris, October 25th, 1988

Mr. Bob J. PIGG

Asbestos Information Association
North America
1745, Jefferson Davis Highway
Christal Square, 4 - Suite 509
ARLINGTON, Virginia 22202
U.S.A.

Ref.: A.I.A. Asbestos Counting Trial - 1988

Dear Mr Pigg,

Please find enclosed a new set of 12 microscope slides together with a guidance note.

May we ask you to circulate this set of slides among the 3 laboratories according to a procedure of your choice.

On termination, would you please ask the last participant to send back the slides direct to L.H.C.F.

In order to have the shortest delays between transfer of slides, we strongly recommend to dispatch them from one laboratory to another by "courrier". There should be no more than 14 days between two consecutive laboratories.

Many thanks for your kind cooperation.

A. Baujon
Director.

Encl. : 1 guidance note
1 set of slides
1 annex (list of participants)

CTD026295



ASBESTOS INFORMATION ASSOCIATION

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

November 9, 1988

Memorandum For: Janis L. Woodson
CertainTeed Corp.
750 E. Swedesford Road
Valley Forge, PA 19482

Subject: AIA Asbestos Counting Trial

In response to earlier correspondence, your company along with two others identified below expressed an interest in participating in the Asbestos International Association's Asbestos Counting Trial. Your attention is particularly invited to the details for completing this participation as set forth in the LHCF letter of October 25, 1988 (copy enclosed for all participants).

It is requested that, subsequently to counting of the enclosed slides and submission of your telex results to LHCF in Paris, that you forward by Federal Express or similar courier means the slides to Monsey Products in Kimberton, PA. Monsey then to forward to Nuturn (Smithville). Nuturn (Smithville) is requested to return the slides to LHCF and advise this Association when such has been done.

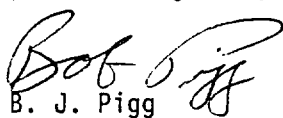
Companies participating in this asbestos counting trial are:

- 1 - CertainTeed Corporation
750 E. Swedesford Road
Valley Forge, PA 19482
(Janis L. Woodson)
- 2 - Monsey Products Company
Cold Stream Road
Kimberton, PA 19442
(W. G. Schomp)

CTD026296

3 - Nuturn Corporation - Automotive Division
1 Grizzly Lane
Smithville, TN 37166
(Judy Kimbrell)

Please know in advance that your assistance by participating in this important project is greatly appreciated.


B. J. Pigg
President

Enclosure

cc: Richard Alexander - Monsey	(less encl)
Rita Grisham, Nuturn	" "
Judy Kimbrell, Nuturn	(with encl)
W. G. Schomp, Monsey	" "
Alain Baujon, LHCF	(less encl)
Sir Neville Stack, AIA	" "

CTD026297

file/fild

12B	92/100.	46	
11B	204/87	102	
10B	180/157	90 →	57/100
9B	226/92	113	
8B	292/20	146	
7B	262/64	131	
6B	201/40	100.5	
5B	8/100	4	
4B	>201/72 ✓	100.5	
3B	246/40 ✓	123	
2B	229/103 ✓	114.5	
1B	209/39 ✓	104.5	

[Handwritten scribbles and signatures]



ASBESTOS INFORMATION ASSOCIATION

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

Trial 2/88

May 20, 1988

Memorandum For: Janis L. Woodson, CertainTeed Corp.
W. G. Schomps, Monsey Products Co.
Judy Kimbrell, Nuturn Corp., Smithville, TN
Judy Ingram, Nuturn Corp., New Castle, IN
G. H. Andersen, Allied-Signal, Inc.

Subject: Asbestos Counting Trial (A.C.T.) 1988

The enclosed memorandum from the Asbestos International Association dated May 10, 1988, same subject as above, is self-explanatory and is invited to your attention.

Your participation in the ACT last year was most appreciated, and it is hoped that you will participate in 1988. Please complete the attached registration form and return it to L.H.C.F. as soon as possible.

Thank you in advance for your attention to this important matter.


B. J. Pigg
President

Enclosure

cc: Richard Alexander, Monsey
Rita Grisham, Nuturn
Owen Kittilstad, CertainTeed
Terry Stewart, Allied-Signal
Frank Wardley, Quin-T



CORP. HEALTH & SAFETY
MAY 23 1988
RECEIVED

CTD026299

ASBESTOS INTERNATIONAL ASSOCIATION

(Limited by Guarantee)

68 GLOUCESTER PLACE, LONDON W1H 3HL, ENGLAND

MEMORANDUM

To: MEMBER ASSOCIATIONS

In reply
please quote: AIA/20/2/13/HAS

From: DIRECTOR GENERAL

Your Ref:

Subject: ASBESTOS COUNTING TRIAL (A.C.T.) 1988

Date: 10 May 1988

You have probably received a copy of the L.H.C.F. Report on the 1987 A.C.T. (dated March 1988). This slide exchange appears to have made a very useful contribution to all the laboratories involved in fibre counting.

Consequently, the AIA Dust Advisory Panel have recommended, and the Executive Committee have agreed to, a second slide exchange in 1988. The L.H.C.F. will again ensure the running of the A.C.T. and prepare the final Report.

The Executive Committee felt that for 1988 those laboratories which could afford to do so should be asked to make a contribution towards the costs of the A.C.T. Such laboratories will be contacted separately and in due course.

In order to avoid delays, it is strongly recommended that the L.H.C.F. procedure is followed. This will be sent to all participants returning the enclosed Registration Form.

Would you please contact all the interested laboratories in your country (including those which participated in 1987) encouraging them to take part in this A.C.T. and asking them to return their Registration Form as soon as possible to the L.H.C.F.

The analysis of the results will, of course, remain anonymous but each participant will personally receive a report pointing out his position among the other participants.

Following from experience in the last (1987) A.C.T., a provisional position data sheet will be sent out to each participant shortly before the final Report.

As we anticipate extensive participation, we once again urge you please to ask participants to reply promptly.

TJH

DIRECTOR GENERAL

CTD026300

ASBESTOS COUNTING TRIAL
(A.C.T.)

Trial 88/89

Please return to :

L. H. C. F.
10, rue de la Pépinière
75008 PARIS - FRANCE

One form for
each laboratory

REGISTRATION FORM

1. - NAME AND COMPLETE ADDRESS OF THE COMPANY OR LABORATORY :

CertainTeed Corporation

750 E. Swedesford Road

Valley Forge, Pennsylvania, 19482

Telephone : (215) 341-7713

Telex : (215) 341-7797

2. - NAME OF THE CORRESPONDANT IN THE COMPANY OR LABORATORY :

Janis L. Woodson

3. - NUMBER OF COUNTERS TAKING PART IN THE A.C.T.

1

NAMES :

Janis L. Woodson

4. - TYPICAL TOTAL NUMBER OF SAMPLES ANALYSED
OVER THE YEAR BY THE LAB.

500

5. - TYPICAL VALUES OF THE FIBRE DENSITY ON THE
SAMPLES USUALLY ANALYSED BY THE LAB. (in fibers/mm²) :

0-100

100-200

200-300

300-400

400-500

500-600

>600

(1)

6. - ORIGIN OF THE DUST SAMPLES ANALYSED :

Mines-
Mills

Asbestos
Cement

Friction
Materials

Textiles

Others :
(specify)

(1)

(1) Please circle the corresponding case(s).

CTD026301