## PICKFORD CONSULTING PTY LIMITED

125 Riverview Street, RIVERVIEW, 2066, Australia

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13 July 1995

Mr. Tom Brassil, Manager, General Services Department, A.B.C. Television, 221 Pacific Highway, GORE HILL 2065

Fax: (02) 950 3117

Our Reference: ABC-950628-c

Dear Tom,

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# INITIAL THOUGHTS ON ASBESTOS INSULATION IN STUDIOS 21, 22 & 23

### A. RESULTS OF INITIAL INSPECTION

At your request, and in conjunction with yourself and Mr. George Brewer, I inspected Studios 21 and 22 on 27 June 1995, with the following brief observations:-

1. Attached National Association of Testing Authorities (NATA) endorsed Certificate of Analysis Reference 16464/67, dated 28 June 1995 shows that four bulk samples of the sprayed insulation taken from the ceiling space above Studios 21 and 22 contain amosite asbestos fibres. This confirms previous analyses.

2. NATA requirements do no allow estimates of percentage composition on NATA endorsed reports. However, all samples contain in excess of approximately 80% asbestos, and do not appear to contain any other fibres or material. In other words, the insulation is probably pure amosite asbestos.

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The measurements were taken by myself in strict accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", and with the National Association of Testing Authorities (NATA) "Asbestos Testing Policy Statement", dated July 1991.

Attached find NATA endorsed Certificate of Analysis Reference 16487/97, dated 3 July 1995, which shows that all results were less than the detection limit of the method of <0.01 fibres per millilitre of air.

### C. PRELIMINARY CONCLUSIONS

Based only on an initial inspection and some background knowledge of ABC TV operations, I have come to the following preliminary conclusions which must be supported by more complete information:-

1. The asbestos insulation is in the process of breaking down in terms of the internal adhesive that holds the insulation together. This is not unexpected given the fact that it was applied some 39 years ago.

2. I am told that the adhesive used as a bond between the insulation and the underneath surface of the fibrous plaster soffit might be bitumen. If this is true, then the failure of this substrate bond is unlikely. However, with very little adhesion throughout the insulation, failure of the substrate bond is not a significant factor in terms of large pieces of the material falling off the soffit.

3. Spraying the underside of the insulation is potentially catastrophic, because the additional weight of the adhesive can cause a rapid breakdown and consequent loss of major sections of insulation from the soffit.

4. I support the use of well planned management programs to prevent the expenditure of large sums of money when no health risk exists. However, I believe that ABC should plan on the eventual removal of the asbestos insulation. The timing of this would be dependant upon observed changes in the condition of the asbestos, as part of the proposed Asbestos Management Program. Even though it is almost impossible to make predictions because of the nature of the material and the unknown decay rate of the internal adhesive, you should only expect a maximum of 10 years life out of the insulation.

#### Page 2 of 4 ABC-950628-c

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3. Low and high power magnification by stereomicroscopy of all samples revealed that the fibres are very friable (ie able to be easily crushed by hand); they are not compacted; and they lack any significant signs of adhesive on the surface layer or throughout the body of the insulation.

4. Inspection of several areas around the catwalks of Studios 21 and 22 showed that the surface of the insulation is very susceptible to damage; is very soft to the touch; and is slightly damaged with the subsequent formation of dags that can be easily dislodged. There are signs that small amounts of asbestos insulation may have fallen onto the top surface of the some of the suspended ceiling tiles.

5. Several suspended ceiling tiles have been dislodged - probably by people - and several other have become badly dislodged due to mis-fitting ceiling grid or weakness caused by the tiles being cut to allow for ceiling penetrations.

6. Air-conditioning grills in the suspended ceiling of Studio 21 are ill-fitting where they contact the wall, thus allowing the small sections of the asbestos insulation to be visible by people on the catwalk.

7. Inspection of the lofts of both studios revealed that several areas may communicate with the lower studio rooms. This includes penetrations for services that have not be adequately sealed, plus areas where access has been obtained for repairs etc. These should not cause any problems whilst the asbestos insulation remains in situ, but will have to be addressed if the asbestos is to be removed.

8. The ceiling space of Studio 23 was not inspected, and I understand that this may be difficult. However, my initial impression of this Studio is that the ceiling appears to have more integrity than-Studios 21 and 22, and is not accessible to workers.

### B. RESULTS OF AIR MONITORING

Due to fact that asbestos insulation is present above the ceiling tiles in Studios 21 and 22, five airborne asbestos fibre measurements were conducted in each of these Studios on 3 July 1995 during normal use by ABC staff.

The sample positions were chosen to represent the worst possible conditions - that is, as close to the asbestos insulation as practicable - and were taken on the catwalks spaced at roughly equal intervals around the periphery of the Studios.

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5. In the meantime, it is important to design and implement a management program, including inspections, air monitoring and restrictions on catwalk access and ceiling tile removal.

6. Provided that future air monitoring produces the same results as obtained on 3 July 1995 - that is, equal to, or below the detection limit of the method - current knowledge indicates that the studio situation would pose the same risk to health as that of an asbestos-free environment.

### D. PLANNING INFORMATION

Whilst the assessment of risk, and the decision to take any form of action can only be handled by ABC management, there is a need to gain information necessary for various possible options.

When required, I will detail this in a separate letter, along with a fee proposal as requested by Mr. G. Brewer.

Yours faithfully,

G. C. PICKFORD.

125 Riverview Street, RIVERVIEW, 2066, Australia

Telephone: (02) 418 9151 Fax: (02) 418 9150 Paging: (02) 214 8606 Carphone: 018 260 341

23 July 1995

Mr. Tom Brassil, Manager, General Services Department, A.B.C. Television, 221 Pacific Highway, GORE HILL 2065

Fax: (02) 950 3117

Our Reference: ABC-950723

Dear Tom,

# BULK AND AIRBORNE ASBESTOS FIBRE TESTS IN STUDIOS 21 AND 22

### A. BULK ASBESTOS ANALYSIS

At your request, on 23 July 1995, I analysed dust samples taken by yourself from various horizontal surfaces in Studios 21 and 22.

Seven samples were taken in Studio 21, and six samples were taken in Studio 22.

Attached find NATA endorsed Certificate of Analysis Reference 16554/66, dated 23 July 1995, which shows that the 13 samples contained no detectable asbestos fibres. All except Sample 21C1 contained mostly organic fibres, which were typical of carpet and fabric fibres. Several of the samples contained trace levels of synthetic mineral fibres.

These results are despite the fact that:-

- Sample 21C1 was taken from the top of a house light directly under a ceiling tile with one corner completely dislodged, and hence in communication with the asbestos insulation.
- Sample 21C2 was taken inside an open cable duct with the duct lid missing for some time as evidenced by a substantial dust build-up.

Page 2 of 3 ABC-950723-IDs & mfms, studios

Sample 21LB89 was taken in the cable fold tray of a lighting batten which had the top cable stay dislodged.

Sample 21LB163 was taken in the cable fold tray of a lighting batten, directly under retro-fitted heavy duty supports.

Sample 22C1 was taken from the top of a house light, close to the ceiling.

- Sample 22C2 was taken from inside an open cable duct near the cyclorama hoist subject to heavy vibration.
- Sample 22LB6 was taken in the cable fold tray of a lighting batten which had the cable keeper dislodged.

Sample 22LB70 was taken in the cable fold tray of a lighting batten under a badly finished ceiling tile.

Note that four bulk samples of the sprayed insulation taken on 27 June 1995 from the ceiling space above Studios 21 and 22 (See NATA endorsed Certificate of Analysis Reference 16464/67, dated 28 June 1995) contain amosite asbestos fibres.

Whilst NATA requirements do no allow estimates of percentage composition on NATA endorsed reports, the samples contain in excess of approximately 80% asbestos, and do not appear to contain any other fibres or material. In other words, the insulation is probably pure amosite asbestos.

The ceiling tiles that effectively isolate the asbestos insulation from the studio environment are made from semi-rigid synthetic mineral fibre batts, covered with fabric.

### B. AIRBORNE ASBESTOS FIBRE ANALYSIS

In conjunction with yourself, I conducted airborne asbestos fibre sampling in Studios 21 and 22 on 22 July 1995.

Five airborne asbestos fibre measurements were conducted in each of these Studios during normal use by ABC staff. This included the "7.30 Report", the mid-day, evening and late evening news broadcasts in Studio 21, and rehearsals and the final presentation of "Roy and H.G." in Studio 22.

The sample positions were chosen to represent the worst possible conditions - that is, as close to the asbestos insulation as practicable - and were taken on the catwalks spaced at roughly equal intervals around the periphery of the Studios.

The measurements were taken by myself in strict accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", and with the National Association of Testing Authorities (NATA) "Asbestos Testing Policy Statement", dated July 1991.

Attached find NATA endorsed Certificate of Analysis Reference 16643/53, dated 23 July 1995, which shows that all results were less than the detection limit of the method of <0.01 fibres per millilitre of air.

Note that the filter holder of one of the samples (Sample A 61) had slipped into the top of an open cable tray, and was thus exposed to the dust inside the tray.

It is important to note that the dust on all of the membrane filters was typical of organic dust, with no fibres observed typical of amosite asbestos fibres. In other words, no amosite-like fibres were observed on any of the sample filters collected in either of the two studios.

Similar results were obtained when ten samples were taken on 3 July - see NATA endorsed Certificate of Analysis Reference 16487/97.

C. PRELIMINARY CONCLUSIONS

Based on two sets of ten airborne asbestos fibre measurements conducted in Studios 21 and 22, and upon an analysis of dust collected on horizontal surfaces in both studios, there is strong evidence to support the observed lack of airborne or settled asbestos fibres in Studio 21 and 22 both in the past and the present.

Alternatively expressed, it would appear that the studio situation poses the same risk to health as that of an asbestos-free environment.

Yours faithfully,

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G. C. PICKFORD.

125 Riverview Street, RIVER VIEW, 2066, Australia

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23 July 1995

Mr. Tom Brassil, Manager, General Services Department, A.B.C. Television, 221 Pacific Highway, GORE HILL 2065

Fax: (02) 950 3117

### CERTIFICATE OF ANALYSIS

YOUR REFERENCE/JOB No.:TYPE OF SAMPLES:Bulk samples - as received from Mr. T. Brassil.SITE LOCATION:ABC Television Studios, Gore Hill.DATE SAMPLED:22 July 1995OUR REFERENCE:16554/66

**TEST METHOD:** Bulk materials examined by Polarized Light Microscopy (with Dispersion Staining) using internal Laboratory Method ID/1.

All sampling and site work have been undertaken by the client - the analytical procedures and results reported on this Certificate have been conducted by Pickford Consulting.

	Sample No	Lab No.		Sample Location
	21C1	16554	Studio 21	On catwalk, top of house light adjacent to lighting battens 106 & 114
	21C2	16555	Studio 21	On catwalk, inside open cable duct feeding Facility Box J adjacent to lighting batten 34
	21C3	16556	Studio 21	On catwalk, in air-conditioning grill adjacent to lighting batten 6
	21C4	16557	Studio 21	On catwalk, on top of Metre Cyclorama track adjacent to lighting batten 57
	21LB70	16558	Studio 21	Lighting batten 70, inside cable fold tray
8.	21LB89	16559	Studio 21	Lighting batten 89, inside cable fold tray
>	21LB163	16560	Studio 21	Lighting batten 163, inside cable fold tray
	22C1	16561	Studio 22	Top of house light adj to lighting batten 114
	22C2	16562	Studio 22	Inside open cable duct feeding lighting batten 42
8	22C3	16563	Studio 22	Inside air-conditioning return air vents
	22LB6	16564	Studio 22	Flat cable close to ceiling, batten 6
	22LB37	16565	Studio 22	Lighting batten 37, inside cable fold tray
	22LB70	16566	Studio 22	Lighting batten 70, inside cable fold tray

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Analysis and	Comments:-
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Sample No.

21C1 no asbestos detected

The sample was grey/brown coloured fibrous dust of approximate volume 0.5 millilitres which contained organic fibres and synthetic mineral fibres. No asbestos fibres were detected in the sample.

21C2 no asbestos detected The sample was grey coloured fibrous dust of approximate volume 1 millilitre which contained organic fibres. No asbestos fibres were detected in the sample.

21C3 no asbestos detected

21C4 no asbestos detected

21LB70 no asbestos detected

21LB89 no asbestos detected

21LB163 no asbestos detected

22C1 no asbestos detected

22C2

no asbestos detected

22C3 no asbestos detected

The sample was grey coloured fibrous dust of approximate volume 2 millilitres which contained organic fibres. No asbestos fibres were detected in the sample.

The sample was grey/brown coloured fibrous dust of approximate volume 1 millilitre which contained organic fibres. No asbestos fibres were detected in the sample.

The sample was grey coloured fibrous dust of approximate volume 3 millilitres which contained organic fibres. No asbestos fibres were detected in the sample.

The sample was grey coloured fibrous dust of approximate volume 1 millilitre which contained organic fibres. No asbestos fibres were detected in the sample.

The sample was grey coloured fibrous dust and paper fragments of approximate volume 2 millilitres which contained organic fibres and trace levels of synthetic mineral fibres. No asbestos fibres were detected in the sample.

The sample was brown coloured fibrous dust, insect matter and wood chips of approximate volume 0.2 millilitres which contained organic fibres. No asbestos fibres were detected in the sample.

The sample was grey coloured fibrous dust of approximate volume 5 millilitres which contained organic fibres. No asbestos fibres were detected in the sample.

The sample was grey/brown coloured fibrous dust of approximate volume 0.5 millilitres which contained organic fibres. No asbestos fibres were detected in the sample.

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22LB6 no asbestos detected

22LB37 no asbestos detected

22LB70 no asbestos detected

The sample was grey/brown coloured fibrous dust or approximate volume 5 millilitres which contained organic fibres. No asbestos fibres were detected in the sample.

The sample was grey coloured fibrous dust of approximate volume 2 millilitres which contained organic fibres and trace levels of synthetic mineral fibres. No asbestos fibres were detected in the sample.

The sample was grey coloured fibrous dust and bird feathers of approximate volume 2 millilities which contained organic fibres. No asbestos fibres were detected in the sample.

Analysed and reported by:

G. C. PICKFORD, Approved Identifier and Signatory.



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## PICKFORD CONSULTING PTY LIMITED

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23 July 1995

Mr. Tom Brassil, Manager, General Services Department, A.B.C. Television, 221 Pacific Highway, GORE HILL 2065

Fax: (02) 950 3117

### CERTIFICATE OF ANALYSIS

YOUR REFERENCE/JOB No.:TYPE OF SAMPLE:Membrane filters - as sampled\* by G. Pickford.SITE LOCATION:ABC TV, Gore Hill.DATE SAMPLED:21 July 1995OUR REFERENCE:16543/53

**TEST** METHOD: Filters examined in accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", as per Laboratory Method MFM/1.

The samples were taken in the following static locations, 1 to 1.5 m above catwalk level, whilst normal production routines were occurring, including the "7.30 Report" and three news presentations in Studio 21, and "Roy and HG" reheasals and presentation in Studio 22:-

Sample No. Lab No.

Location

	A 69	16543	Studio 21	SE	10 m N of SE corner
•	: A 24	16544	Studio 21	NE	6 m S of NE corner.
	: A 44	16545	Studio 21	Mid N	midway between NE and NW conters
	A 55	16546	Studio 21	NW	8 m S of NW corner
	· A 56	16547	Studio 21	SW	4 m N of SW corner
	A 70	16548	Studio 22	SE	8 m N of SE corner
	A 43	16549	Studio 22	NE	2 m S of NE corner
	A 66	16550	Studio 22	Mid N	midway between NE and NW corners
×	A 61	16551	Studio 22	NW	3 m S of NW corner
	A 02	16552	Studio 22	S₩	4 m N of SW corner
·	A 58	16553	Blank		Control Filter

Using sample durations and flowrates measured on site, airborne dust concentrations (fibres per millilitre of air) for the above samples calculate as follows :

Start Time (24 hour)	Duration (min)	Av Flowrate (LImin)	Results (fibres/fields)	Concentration (FibresImL)
1107	716	0.98	2/100	<0.0ì
1106	715	1.00	0.5/100	< 0.01
1105	715	0.98	1/100	< 0.01
1104	714	1.00	- 3/100	< 0.01
1100	716	1.00	2/100	<0.01
1118	823	1.00	3.5/100	< 0.01
1117	823	1.00	3/100	< 0.01
1116	822	0.98	5/100	<0.01
1115	821	1.00	8.5/100	<∪.∪i
1114	819	1.00	4.5/100	< 0.01
-		-	0/100	0.K.
	Start Time (24 hour) 1107 1106 1105 1104 1100 1118 1117 1116 1115 1114	Start Time (24 hour)Duration (min)1107716110671511057151104714110071611188231117823111682211158211114819	Start Time (24 howr)Duration (min)Av Flowrate (L/min)11077160.9811067151.0011057150.9811047141.0011007161.0011188231.0011178231.0011168220.98111582.11.0011148191.00	Start Time (24 hour)Duration (min)Av Flowrate (L/min)Results (fibres/fields)11077160.982/10011067151.000.5/10011057150.981/10011047141.003/10011007161.002/10011188231.003.5/10011178231.003/10011168220.985/10011148191.004.5/10011148191.000/100

Sampling not covered by Terms of Registration.

Analysed and reported by:

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G. C. PICKFORD, Approved Counter and Signatory.



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## PICKFORD CONSULTING PTY LIMITED

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14 October 1995

Mr. Tom Brassil, Manager, General Services Department, A.B.C. Television, 221 Pacific Highway, GORE HILL 2065

Fax: (02) 950 3117

dates

### CERTIFICATE OF ANALYSIS

YOUR REFERENCE/JOB No.:-TYPE OF SAMPLE:Membrane filters - as sampled\* by G. Pickford.SITE LOCATION:ABC TV, Gore Hill.DATE SAMPLED:13 October 1995OUR REFERENCE:16959/69

**TEST METHOD:** Filters examined in accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", as per Laboratory Method MFM/1.

The samples were taken in the following static locations, 1 to 1.5 m above catwalk level, during normal production routines were occurring, including the "7.30 Report" and several news presentations in Studio 21, and "Roy and HG" reheasals and presentation in Studio 22:-

Sample No.	Lab No.			Location
A 66	16959	Studio 21	SE	10 m N of SE corner
A 68	16960	Studio 21	NE	6 m S of NE corner
A 35	16961	Studio 21	Mid N	midway between NE and NW corners
A 03	16962	Studio 21	NW	8 m S of NW corner
A 42	16963	Studio 21	SW	4 m N of SW corner
A 54	16964	Studio 22	SE	8 m N of SE corner
A 20	16965	Studio 22	NE '	2 m S of NE corner
A 27	16966	Studio 22	Mid N	midway between NE and NW corners
A 05	16967	Studio 22	NW	3 m S of NW corner
A 15	16968	Studio 22	SW	4 m N of SW corner
A 16	16969	Blank		Control Filter

Using sample durations and flowrates measured on site, airborne dust concentrations (fibres per millilitre of air) for the above samples calculate as follows :

Start Time (24 hour)	Duration (min)	Av Flowrate <sup>*</sup> (LImin)	Results (fibres/fields)	Concentration* (Fibres/mL)
1000	851	1.00	2.5/100	<0.01
1004	846	1.00	2/100	< 0.01
1006	843	1.00	1.5/100	< 0.01
1011	835	1.00	2/100	< 0.01
1014	831	0.95	2.5/100	< 0.01
1020	808	1.00	3.5/100	< 0.01
1024	807	1.00	4.5/100	< 0.01
1026	806	1.00	2/100	< 0.01
1028	806	1.00	4/100	< 0.01
1030	805	0.95	3/100	< 0.01
-		ta cras de cr	0.5/100	0.K.
	<i>Start Time</i> (24 hour) 1000 1004 1006 1011 1014 1020 1024 1026 1028 1030	Start Time (24 hour)Duration (min)1000851100484610068431011835101483110208081024807102680610288061030805	Start Time (24 hour)Duration (min)Av Flowrate* (L/min)10008511.0010048461.0010068431.0010118351.0010118351.0010148310.9510208081.0010248071.0010268061.0010288061.0010308050.95	Start Time (24 hour)Duration (min)Av Flowrate* (L/min)Results (fibres/fields)10008511.002.5/10010048461.002/10010068431.001.5/10010118351.002/10010148310.952.5/10010208081.003.5/10010248071.004.5/10010268061.002/10010308050.953/100

\* Sampling not covered by Terms of Registration.

Analysed and reported by:

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G. C. PICKFORD, Approved Counter and Signatory.

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### PICKFORD CONSULTING PTY LIMITED

125 Riverview Street, RIVERVIEW, 2066, Australia

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17 November 1995

Mr. Tom Brassil, Manager, General Services Department, A.B.C. Television, 221 Pacific Highway, GORE HILL 2065

Fax: (02) 950 3117

#### CERTIFICATE OF ANALYSIS

YOUR REFERENCE/JOB No.:-TYPE OF SAMPLE:Membrane filters - as sampled\* by G. Pickford.SITE LOCATION:ABC TV, Gore Hill.DATE SAMPLED:17 November 1995OUR REFERENCE:17234/36

**TEST METHOD:** Filters examined in accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", as per Laboratory Method MFM/1.

The samples were taken in the following static locations, during set-up of three plastic enclosures on the catwalk prior to an investigation of the asbestos on the soffit of Studio 22:-

Location

Sample No. Lab No.

C 10217234Studio 22South-west corner, ground floor levelC 2317235Studio 22On Batten No. 7, at catwalk levelC 10917236BlankControl Filter

Using sample durations and flowrates measured on site, airborne dust concentrations (fibres per millilitre of air) for the above samples calculate as follows :

Sample No.	Start Time	Duration	Av Flowrate <sup>*</sup>	Results	Concentration <sup>*</sup>
	(24 hour)	(min)	(LImin)	(fibres/fields)	(Fibres/mL)
C 102	0820	421	1.60	6/100	<0.01
C 23	0830	409	1.60	5.5/100	<0.01
C 109		-	-	0/100	U.K.

\* Sampling not covered by Terms of Registration.

Analysed and reported by:

G. C. PICKFORD, Approved Counter and Signatory.



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18 November 1995

Mr. Tom Brassil. Manager, General Services Department. A.B.C. Television, 221 Pacific Highway. GORE HILL 2065

Fax: (02) 950 3117

Our Reference: ABC-951118-cov

Dear Tom.

## ASBESTOS INVESTIGATION WORK

## - ABC TELEVISION STUDIO No. 22

At your request, I was present at all key times at Studio 22 during 17 and 18 November 1995 whilst asbestos investigation work was being conducted by AAA Asbestos Services.

All work was done strictly in accordance with the procedures as detailed in a document written by myself. Our Reference ABC-951016-investigation procedures, dated 16 October 1995.

In fact, some work procedures were more stringent in terms of respiratory protection used in Location B (supplied air); air samples were taken inside the enclosures whilst all work was being conducted so as to determine airborne fibre concentrations in active working areas; and PVA adhesive was sprayed onto the internal surfaces of the enclosures at the conclusion of the works.

Minimal asbestos was disturbed during the works in Locations A and C, which was immediately removed by means of a WorkCover approved vacuum cleaner.

One additional area of asbestos insulation was removed from the soffit in Location B to assist in determining the ease of removal of the lower of the two layers of fibrous plaster.

At the conclusion of the work. I inspected the area, and verified that no asbestos waste was present.

On 17 November 1995, two air samples were taken in the general Studio area during the set-up of the plastic enclosures, which yielded satisfactory results less than the detection limit of the method at <0.01 f/mL - see attached NATA endorsed Certificate of Analysis Reference 17234/36, dated 17 November 1995.

On 18 November 1995, two air samples were taken in the general Studio area during the investigation work inside the plastic enclosures, which also yielded satisfactory results less than the detection limit of the method at <0.01 f/mL - see attached NATA endorsed Certificate of Analysis Reference 17241/42, dated 18 November 1995.

Air samples taken inside each of the three plastic enclosures during the investigation work yielded results of 0.03, 0.1 and 0.2 fibres per millilitre (see NATA endorsed Certificate of Analysis Reference 17237/40) - not unexpected results due to the nature of the work involving not only the amosite asbestos fibres, but particularly the synthetic mineral fibres in the ceiling tiles. It should be noted that the analytical method does not discriminate between both types of fibres, thus resulting in conservative results somewhat on the "safe" side.

### PICKFORD CONSULTING

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After the actylic panels has been sealed into place where all of the removed tiles had been, "clearance" air samples were taken in each of the three enclosures. The results were all less than the detection limit of the method of <0.01 fibres per millilitre, which are completely satisfactory.

The enclosures were then dismantled under completely safe conditions.

AAA Asbestos Services conducted a well planned and excellently executed job - all additional requirements asked of them during the two days were completed without hesitation and most competently.

The inspections and air tests verify that the entire Studio 22 and the carwalk are both safe for reoccupancy.

Yours faithfully,

- Picht

G. C. PICKFORD.

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ABC FOI 2016-038 Document 48

# PICKFORD CONSULTING PTY LIMITED

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18 November 1995

Mr. Tom Brassil, Manager, General Services Department, A.B.C. Television, 221 Pacific Highway, GORE HILL 2065

Fax: (02) 950 3117

## CERTIFICATE OF ANALYSIS

YOUR REFERENCE/JOB<sup>-</sup> No.: TYPE OF SAMPLE: Membrane filters - as sampled\* by G. Pickford. SITE LOCATION: ABC TV, Gore Hill. DATE SAMPLED: 18 November 1995 DATE RECEIVED: 18 November 1995 OUR REFERENCE: 17237/40

TEST METHOD: Filters examined in accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", as per Laboratory Method MFM/1.

The samples were taken in the following static locations, *inside* each of the three plastic enclosed work areas on the catwalk during the investigation of the asbestos on the soffit of Studio 22. Note that these results apply to the work areas and not to any area outside the work areas:-

Sample No. Lab No.

Location

C 16 C 95 C 39	17237 17238 17239 17240	Studio 22 Studio 22 Studio 22 Black	South-east work area, carwalk level North-west work area, carwalk level North work area, carwalk level Control Filter
C 94	17240	Blank	Condor Lace

Using sample durations and flowtates measured on site, airborne dust concentrations (fibres per millilitre of air) for the above samples calculate as follows :

Sample No.	Start Time (24 nour)	Durazion (min)	Av Flowrate* (LImin)	Results (fibresifields)	(FibresimL)
C 16 C 95 C 39 C 94	0820 0806 0808	375 384 384	2.05 2.00 2.00	38.5/100 110.5/50 115/40 0/100	0.03 0.1 0.2 0.K.

\* Sampling not covered by Terms of Registration.

Analysed and reported by:

Staft

G. C. PICKFORD, Approved Counter and Signatory.



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18 November 1995

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## CERTIFICATE OF ANALYSIS

YOUR REFERENCE/JOB No.: TYPE OF SAMPLE: Membrane filters - as sampled<sup>\*</sup> by G. Pickford. SITE LOCATION: ABC TV, Gore Hill. DATE SAMPLED: 18 November 1995 DATE RECEIVED: 18 November 1995 OUR REFERENCE: 17241/42

TEST METHOD: Filters examined in accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", as per Laboratory Method MFM/1.

The samples were taken in the following static locations, during investigation of the asbestos on the soffit of Studio 22 in each of the three plastic enclosed work areas on the catwalk:-

Location

Sample No. Lab No.

C 10417241Studio 22South-east corner, ground floor levelC 6717242Studio 22Centre of Studio, ground floor levelC 9417240BlankControl Filter

Using sample durations and flowrates measured on site, airborne dust concentrations (fibres per millilitre of air) for the above samples calculate as follows:

Sample No.	Start Time	Duration	Av Flowrase*	Results	Concentration
	(24 howr)	(min)	(LImin)	(fibres:fields)	(FibresimL)
C 104 C 67 C 94	0802 0819	533 520	1.60 1.95 -	2.5/100 5/100 0/100	<0.01 <0.01 O.K.

\* Sampling not covered by Terms of Registration.

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### CERTIFICATE OF ANALYSIS

YOUR REFERENCE/JOB No.: TYPE OF SAMPLE: Membrane filters - as sampled\* by G. Pickford. SITE LOCATION: ABC TV, Gore Hill. DATE SAMPLED: 18 November 1995 DATE RECEIVED: 18 November 1995 OUR REFERENCE: 17243/45-cl

TEST METHOD: Filters examined in accordance with the August 1988 National Occupational Health & Safety Commission "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust", as per Laboratory Method MFM/1.

The samples were CLEARANCE samples and were taken in the following static locations, inside each of the three plastic enclosed work areas on the catwalk after the investigation of the asbestos on the soffit of Studio 22, and after an inspection of each enclosure for remnant asbestos:-

Sample No. Lab No.

Lacation

C 52 C 100	17243 17244	Studio 22 Studio 22	Inside South-east work area, catwalk level
C 32	17245	Studio 22	Inside North work area, catwalk level
C 94	17240	Blank	Control Filter

Using sample durations and flowrates measured on site, airborne dust concentrations (fibres per millilitre of air) for the above samples calculate as follows :

Sample No.	Start Time (24 nour)	Duration (mir.)	Av Flowrate <sup>*</sup> (Limin)	Results (fibresificIds)	Concentration* (FibresImL)
C 52	1447	118	3.75	3/100	<0.01
C 100	1455	118	3.80	3.5/100	<0.01
C 32	1455	116	3.75	4.5/100	< 0.01
C 94		-	5 <b>.</b> 2008	0/100	OK

\* Sampling not covered by Ferrus of Registration.

Analysed and reported by:

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G. C. PICKFORD, Approved Counter and Signatory.



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