



18, MALLUSK ENTERPRISE PARK, MALLUSK DRIVE, NEWTOWNABBIEY BT36 4GN
Telephone: (028) 9083 6157 Fax: (028) 9083 6920 Mobile: (07860) 462299
Email: trevor@cgclaboratory.co.uk VAT Reg. No. 517 0894 38

Ref 12/CGC/709

4th June 2012

Bloomfield Collegiate
Astoria Gardens
Belfast
BT5 6HW

For the attention of Mr. D Barr

Dear Sir,

BLOOMFIELD COLLEGIATE, PREPARATORY DEPARTMENT

Please find enclosed a written report regarding monitoring carried out at the above location on Friday 1st June 2012.

Our services were required in order to ascertain the airborne fibre concentration within a number of classrooms and the Central Hall.

Initial sampling took place under static conditions followed by monitoring under disturbed conditions. Disturbance was achieved by brushing surfaces, eg shelving, chairs, tables, floor etc, for approximately 1.5 minutes per room. The air sampling pumps were positioned in the centre of each area tested.

METHOD OF ASSESSMENT

Each sample was examined carefully, using phase contrast microscopy procedures based upon HSG 248, issued by the Health and Safety Executive.

Asbestos fibres are defined as being of length greater than 5 microns, diameter less than 3 microns, with a length to diameter aspect ratio of at least 3/1. A magnification of 500X was used in conjunction with a Walton-Beckett eyepiece graticule to assess the fibre dimensions accurately.

RESULTS

Full results are shown on the attached sheet and the fibre concentration is expressed in fibres per millilitre of air (f/ml).

All readings, both under static and disturbed conditions, gave levels of less than 0.01 f/ml of air.

We have enclosed the relevant documentation for your records.

Should you require further help or information please do not hesitate in contacting us.

Yours faithfully



T S BUTLER
DIRECTOR

AIRBORNE ASBESTOS DUST COUNTS

TABLE OF RESULTS

REPORT NO: 12/CGC/709

DATE: 1st June 2012

<u>COMPANY:</u> Bloomfield Collegiate			<u>SITE LOCATION:</u> Preparatory Department		
<u>NO. OF SAMPLES:</u> 8			<u>ANALYST:</u> T S Butler/K Rooney		
Sample Ref.	Time of Sampling	Duration of Sampling (minutes)	Volume (litres)	Area Monitored	Fibre concentration (f/ml)
1	15.45 – 16.17	32	512	Classroom 5	Less than 0.01
2	15.48 – 16.18	30	480	Classroom 6	Less than 0.01
3	15.49 – 16.20	31	496	Classroom 7	Less than 0.01
4	15.49 – 16.19	30	480	Classroom 1	Less than 0.01
5	15.50 – 16.20	30	480	Classroom 2	Less than 0.01
6	15.51 – 16.23	32	512	Classroom 3	Less than 0.01
7	15.52 – 16.24	32	512	Classroom 4	Less than 0.01
8	15.52 – 16.22	30	480	Central Hall	Less than 0.01

AIRBORNE ASBESTOS DUST COUNTS

TABLE OF RESULTS

REPORT NO: 12/CGC/709

DATE: 1st June 2012

<u>COMPANY:</u> Bloomfield Collegiate			<u>SITE LOCATION:</u> Preparatory Department		
<u>NO. OF SAMPLES:</u> 8			<u>ANALYST:</u> T S Butler/K Rooney		
Sample Ref.	Time of Sampling	Duration of Sampling (minutes)	Volume (litres)	Area Monitored	Fibre concentration (f/ml)
9	16.34 – 17.06	32	512	Classroom 5	Less than 0.01
10	16.34 – 17.06	32	512	Classroom 6	Less than 0.01
11	16.28 – 17.02	32	512	Classroom 7	Less than 0.01
12	16.30 – 17.03	33	528	Classroom 1	Less than 0.01
13	16.33 – 17.03	30	480	Classroom 2	Less than 0.01
14	16.32 – 17.05	33	528	Classroom 3	Less than 0.01
15	16.31 – 17.09	38	608	Classroom 4	Less than 0.01
16	16.31 – 17.06	31	496	Central Hall	Less than 0.01


LABORATORY LTD
MONITORING AND IDENTIFICATION OF ASBESTOS

UNIT 18
MALLUSK ENTERPRISE PARK,
MALLUSK DRIVE
NEWTOWN ABBEY BT36 4GN
Telephone: (028) 9083 6157
Fax: (028) 9083 6920
Mobile: (07860) 462299
Email: trevor@cgclaboratory.co.uk



No. 2361 N

ASBESTOS MONITORING REPORT

REPORT No.

1206/701

Client Name: Bloomfield Collegiate

Address: Ashia Gardens, Belfast BT5 4LD.

Site Location: Bloomfield Collegiate Prep School

Work Area: Classrooms and Central Hall

Reason for Monitoring: Reassurance air sampling within the classrooms and central hall to assess the level of airborne fibre concentration under static and disturbed conditions

Name of Contractor: N/A.

Visual Examination Results:

AIB board is present to cupboards within the prep school. Some of these cupboards have been sealed with duct tape.

Air Monitoring Results: Air sampling pumps were placed in the centre of each area tested. Sampling was initially carried out under static conditions and then under disturbed conditions. Disturbance was achieved by brushing surfaces eg shelving, chairs, tables, floor etc for approximately 1.5 minutes. All reassurance air tests gave results of < 0.01 f/m³ of air

Report Authorised by:

Signature

Date of Issue:

1/6/12

Name

K. Roowe

Sampling and evaluation methods are detailed on page 2 overleaf

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AIR SAMPLING & FIBRE COUNTING

REPORT No. 1266/709

SITE LOCATION: *Blomfield Collegiate Prep School*

COUNTING LOCATION: *Blomfield Collegiate*

AIR VOLUME CORRECTION DETAILS					MICROSCOPE AND CALCULATION DETAILS									
Sample No.(s)	Date	Temp (K)	Pressure (KPa)	Correction Required	Sample No.(s)	Date	Micro No.	Graticule Dia. (µm)	Test Slide Result (Gr. No.)	Filter Dia. Exposed (mm)	K Factor	Field Blank	Sampled By	Counted By
1-14	1/6/12	294	101.5	-	1-14	1/6/12	5	100	5	22.5	50.6	-	<i>K. Long</i>	<i>K. Long</i>

Thermometer No. *3* Barometer No. *6* Flowmeter No. *8* Timepiece No. *2* Graticule Slide No. *661* Test Slide (NPL) No. *53/71*

SAMPLING DETAILS

No.	Sample Location	Code	Head	Pump	Time		Total (mins.)	Flow Rate (L/min)				Volume (L)		Fibres	Fields	Concentration (Fibres/ml)		
					On	Off		Start	Int.	End	Mean	Calc.	Correc.			Calc.	Reported	
1	<i>Classroom 5</i>	<i>Static</i>	<i>R</i>	<i>27</i>	<i>22</i>	<i>15.45</i>	<i>16.12</i>	<i>32</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>512</i>	<i>-</i>	<i>3</i>	<i>200</i>	<i>0.002</i>	<i><0.01</i>
2	<i>Classroom 6</i>	<i>Static</i>	<i>R</i>	<i>23</i>	<i>26</i>	<i>15.48</i>	<i>16.18</i>	<i>30</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>480</i>	<i>-</i>	<i>1</i>	<i>200</i>	<i>0.001</i>	<i><0.01</i>
3	<i>Classroom 7</i>	<i>Static</i>	<i>R</i>	<i>36</i>	<i>16</i>	<i>15.49</i>	<i>16.20</i>	<i>31</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>416</i>	<i>-</i>	<i>5</i>	<i>200</i>	<i>0.003</i>	<i><0.01</i>
4	<i>Classroom 1</i>	<i>Static</i>	<i>R</i>	<i>12</i>	<i>17</i>	<i>15.49</i>	<i>16.19</i>	<i>30</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>480</i>	<i>-</i>	<i>1/2</i>	<i>200</i>	<i>0.0003</i>	<i><0.01</i>
5	<i>Classroom 2</i>	<i>Static</i>	<i>R</i>	<i>5</i>	<i>28</i>	<i>15.50</i>	<i>16.20</i>	<i>30</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>480</i>	<i>-</i>	<i>2</i>	<i>200</i>	<i>0.001</i>	<i><0.01</i>
6	<i>Classroom 3</i>	<i>Static</i>	<i>R</i>	<i>13</i>	<i>31</i>	<i>15.51</i>	<i>16.25</i>	<i>32</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>512</i>	<i>-</i>	<i>1/2</i>	<i>200</i>	<i>0.0002</i>	<i><0.01</i>
7	<i>Classroom 4</i>	<i>Static</i>	<i>R</i>	<i>15</i>	<i>28</i>	<i>15.52</i>	<i>16.24</i>	<i>32</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>512</i>	<i>-</i>	<i>2</i>	<i>200</i>	<i>0.001</i>	<i><0.01</i>
8	<i>Central Hall</i>	<i>Static</i>	<i>R</i>	<i>21</i>	<i>14</i>	<i>15.52</i>	<i>16.22</i>	<i>30</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>480</i>	<i>-</i>	<i>1/2</i>	<i>200</i>	<i>0.0003</i>	<i><0.01</i>
9	<i>Classroom 5</i>	<i>Disturbed</i>	<i>R</i>	<i>25</i>	<i>32</i>	<i>16.34</i>	<i>17.06</i>	<i>32</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>512</i>	<i>-</i>	<i>5</i>	<i>200</i>	<i>0.003</i>	<i><0.01</i>
10	<i>Classroom 6</i>	<i>Disturbed</i>	<i>R</i>	<i>35</i>	<i>32</i>	<i>16.34</i>	<i>17.06</i>	<i>32</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>512</i>	<i>-</i>	<i>3</i>	<i>200</i>	<i>0.002</i>	<i><0.01</i>
11	<i>Classroom 7</i>	<i>Disturbed</i>	<i>R</i>	<i>3</i>	<i>16</i>	<i>16.28</i>	<i>17.02</i>	<i>32</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>512</i>	<i>-</i>	<i>6</i>	<i>200</i>	<i>0.003</i>	<i><0.01</i>
12	<i>Classroom 1</i>	<i>Disturbed</i>	<i>R</i>	<i>14</i>	<i>17</i>	<i>16.30</i>	<i>17.03</i>	<i>33</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>528</i>	<i>-</i>	<i>4</i>	<i>200</i>	<i>0.002</i>	<i><0.01</i>
13	<i>Classroom 2</i>	<i>Disturbed</i>	<i>R</i>	<i>10</i>	<i>28</i>	<i>16.33</i>	<i>17.03</i>	<i>30</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>480</i>	<i>-</i>	<i>2</i>	<i>200</i>	<i>0.001</i>	<i><0.01</i>
14	<i>Classroom 3</i>	<i>Disturbed</i>	<i>R</i>	<i>11</i>	<i>31</i>	<i>16.32</i>	<i>17.05</i>	<i>33</i>	<i>16.0</i>	<i>-</i>	<i>16.0</i>	<i>16.0</i>	<i>528</i>	<i>-</i>	<i>4</i>	<i>200</i>	<i>0.002</i>	<i><0.01</i>

Key to Abbreviations: Int.=intermediate Calc.=Calculated Correc.=Corrected <=Less than Dia.=Diameter Temp.=Temperature Page: *6* of *7*

07-JUN-2012 21:53 From: To: 02890508385 Page: 2/3

AIR SAMPLING & FIBRE COUNTING

REPORT No.

1262/701

SITE LOCATION: Bloomfield Collegiate Prep School

COUNTING LOCATION: Bloomfield Collegiate

AIR VOLUME CORRECTION DETAILS

MICROSCOPE AND CALCULATION DETAILS

Sample No.(s)	Date	Temp (K)	Pressure (KPa)	Correction Required	Sample No.(s)	Date	Micro No.	Graticule Dia. (µm)	Test Slide Result (Gr. No.)	Filter Dia. Exposed (mm)	K Factor	Field Blank	Sampled By	Counted By
15-16	1/6/12	294	101.5	-	15-16	1/6/12	5	100	5	22.5	50.6	-	K. Lang	K. Lang

Thermometer No. 3	Barometer No. 6	Flowmeter No. 8	Timepiece No. 2	Graticule Slide No. C61	Test Slide (NPL) No. 5371
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SAMPLING DETAILS

No.	Sample Location	Code	Head	Pump	Time		Total (mins.)	Flow Rate (L/min)				Volume (L)		Fibres	Fields	Concentration (Fibres/ml)		
					On	Off		Start	Int.	End	Mean	Calc.	Correc.			Calc.	Reported	
15	Classroom 4	Dishhead	8	15	15	16.31	17.09	38	16.0	-	16.0	16.0	20%	-	3	200	0.001	20.01
16	Central Hall	Dishhead	R	32	14	16.35	17.06	31	16.0	-	16.0	16.0	4%	-	4	200	0.062	20.01

Key to Abbreviations: Int.=Intermediate Calc.=Calculated Correc.=Corrected <=Less than Dia.=Diameter Temp=Temperature Page 7 of 7