

Asbestos Survey at

*Muswell Hill Library
Queens Avenue
London
N10 3PE*



ARG Surveys Ltd

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<i>SiteID:</i>	5279-001
<i>Survey Ref:</i>	5279-001
<i>Last Survey:</i>	14 March 2005
<i>Printed on:</i>	04 April 2005
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REVISION HISTORY

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Client Name:

Haringey Council

Libraries Archives & Museums Bu
Chief Executive Service, Central Library,
Wood Green, London
N22 6XD

Contact: Ms E Worth

Phone: 020-8489-0000 Fax: 020-8489-2722

Site full name:

Muswell Hill Library

Queens Avenue
London
N10 3PE

Contact: Ms A Gordon

Phone: 020-8489-8773 Fax:

Instructing Party :

Haringey Council

Libraries Archives & Museums Bu
Chief Executive Service, Central Library,
Wood Green, London
N22 6XD

Contact: Ms E Worth

Phone: 020-8489-0000 Fax: 020-8489-2722



Report Author:

ARG Surveys Ltd

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Surveyor

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Objectives

- To carry out a survey to ascertain the presence of asbestos based materials, prior to major refurbishment works.

The current occupier required an Asbestos Survey to comply with Regulation 4 of the Control of Asbestos at Work Regulations 2002 'The Management of asbestos in non-domestic premises

- To carry out a type 2 survey to ascertain the presence of asbestos based materials. As instructed by the client

- Type 2: Standard sampling, identification and assessment survey. (Sampling Survey).

The purpose and procedures used in this survey are the same as for Type 1, except that representative samples are collected and analysed for the presence of asbestos. Samples from each type of suspect asbestos containing materials found, are collected and analysed to confirm asbestos type and content. Where the materials sampled are found to contain asbestos, other similar homogeneous materials used in the same way in the building, have been presumed to contain asbestos.

- To record the condition of the ceiling voids; i.e. presence of presumed / asbestos debris etc.
- To produce a report to identify areas of known or suspected / presumed asbestos materials.
- To provide a basis for an asbestos register for the site.
- To instigate asbestos removal works prior to the commencement of future projects.
- To include a risk assessment for each individual Sample/Inspection

Introduction

Site Description - Areas Viewed

Area Containing

1st Floor

Staff Room
Childrens W.C.
Staff W.C.
Rear Staircase
Childrens Library
Toy Library
Riser Cupboard
Roof
Computer Room

Ground Floor

Entrance Hall
Main Staircase
Main Library
Computer Area
Cleaners Cupboard

Basement

Store Room
Staircase
Understairs Cupboard
Boiler Room

Site Description - Inaccessible Areas

It was not possible to survey the following parts of the site :

There was no access into the dumb waiter lift shaft & the tank room on the roof.

There was only limited access into the ground floor cleaners cupboard.

Analytical Techniques

- Each floor was viewed for suspect materials thought or known to contain asbestos and samples taken where it was considered necessary. Individual ceiling tiles were removed or existing access hatches used to gain access to the ceiling voids and soffit.
- Materials of a similar type were only occasionally sampled and it was assumed that other surfaces identical to where the sample was taken, was of a similar composition.
- Photographs were taken at all of the sample locations (unless otherwise stated).
- Samples were returned to the UKAS Accredited Laboratory for analysis.
- Asbestos Bulk Sample Analysis is conducted by using Polarised Light and Dispersion Staining Techniques. Dispersion Staining is used to describe the colour effects produced when a transparent colourless particle or fibre is immersed in a liquid having a refractive index near to that of the particle or fibre, and is viewed under a microscope using transmitted white light (based on HSE Publication MDHS 77).

General Caveat

CAVEAT

Every effort has been made to identify all asbestos materials so far as was reasonably practical to do so within the scope of the survey and the attached report. Methods used to carry out the survey were agreed with the client prior to any works being commenced.

Survey techniques used involves trained and experienced surveyors using the combined approach with regard to visual examination and necessary bulk sampling. It is always possible after a survey that asbestos based materials of one sort or another may remain in the property or area covered by that survey, this could be due to various reasons.

·Asbestos materials existing within areas not specifically covered by this report are therefore outside the scope of the survey.

·Materials may be hidden or obscured by other items or cover finishes i.e. paint, over boarding, disguising etc. Where this is the case then its detection will be impaired.

·Asbestos may well be hidden as part of the structure to a building and not visible until the structure is dismantled at a later date.

·Debris from previous asbestos removal projects may well be present in some areas; general asbestos debris does not form part of this survey however all good intentions are made for its discovery.

·Where an area has been previously stripped of asbestos i.e. plant rooms, ducts etc. and new coverings added, it must be pointed out that asbestos removal techniques have improved steadily over the years since its introduction. Most notably would be the Control of Asbestos at Work Regulations (1987) or other similar subsequent Regulations laying down certain enforceable guidelines. Asbestos removal prior to this regulation would not be of today's standard and therefore debris may be present below the new coverings.

·This survey will detail all areas accessed and all samples taken, where an area is not covered by this survey it will be due to No Access for one reason or another i.e. working operatives, sensitive location or just simply no access. It may have been necessary for the limits of the surveyor's authority to be confirmed prior to the survey.

·Access for the survey may be restricted for many reasons beyond our control such as height, incontinence to others, immovable obstacles or confined space. Where electrical equipment is present and presumed in the way of the survey no access will be attempted until proof of its safe state is given. Our operatives have a duty to of care under the Health and Safety at Work act

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General Caveat

(1974) for both themselves and others.

·In the building where asbestos has been located and it is clear that not all areas have been investigated, any material that is found to be suspicious and not detailed as part of the survey should be treated with caution and sampled accordingly.

·Certain materials contain asbestos to varying degrees and some may be less densely contaminated at certain locations (Artex for example). Where this is the case the sample taken may not be representative of the whole product throughout.

·Where a survey is carried out under the guidance of the owner of the property, or his representative, then the survey will be as per his instructions and guidance at that time.

·ARG Surveys Ltd cannot accept any liability for loss, injury, damage or penalty issues due to errors or omissions within this report.

·ARG Surveys Ltd cannot be held responsible for any damage caused as part of this survey carried out on your behalf. Due to the nature and necessity of sampling for asbestos some damage is unavoidable and will be limited to just that necessary for the taking of the sample.

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Specific Notes

- Access could not be gained to several areas of the site, for example:-
Sealed or inaccessible lift shafts
Areas, which have been bricked up or blocked off.
- Whilst every effort was made to locate the presence of asbestos based materials, it proved difficult in some places due to:-
In-filling, alteration and refurbishment work which has taken place in the past.
Asbestos which may be under or hidden from view by other materials which have been used for over-cladding.
- It is possible that asbestos debris and asbestos boarding are present and have been missed by the survey team due to inaccessibility and the survey time constraints. Care must therefore be adopted, especially when carrying out refurbishment or demolition works. If suspect materials are uncovered then additional sampling should be undertaken.
- Whilst every effort was made to locate the ceiling panels, wall partitions and other panels, which may have been constructed from asbestos boarding, none other than those detailed were found. Some may have been missed due to repairs, alterations etc, where false and other finishes have been applied or where different specifications (including a possible mixture of asbestos and non-asbestos) panels have been used in the same area. Only by sampling each panel would the composition of all the materials be known. This was clearly not practical in terms of cost or time.
- No air monitoring was carried out whilst the survey was undertaken and therefore care was taken not to cause disturbance of fibre or contamination of clean surfaces.
- This report has been written with reference to the various Guidance Notes etc, issued, and current at the date of this report and describes circumstances at the site on the date the investigation took place.
- Where similar items exist in the building, only one or two samples have been taken to ascertain the material content. It was assumed that similar products were of the same material. Only random sampling was carried out.
- Fire doors were not inspected internally to ascertain if they are manufactured using asbestos materials. This would entail destructive testing procedures.

Specific Notes

- Use has been made of both asbestos and non-asbestos materials in close proximity to one another. Caution must therefore be adopted when disturbing areas of mixed boarding and all should be treated as asbestos.
- Any person undertaking work within the buildings should be told of the presence of asbestos. This briefing also applies to any other person associated with the site, including staff, sub-contractors and others.
- The diagrams in the report are not to scale and are illustrative only to indicate approximate locations. The descriptions used are for location identification purposes.
- All the recommendations described in this report are based upon assumptions made after consideration of the type of material, condition of the material, its location, analysis result and type of use the area is thought to be subjected to. However, statutory authorities or others, could require amendments based on local knowledge, change in legislation, change in use or indeed, other conditions of criteria.

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This survey has been completed to current legislative standards, as outlined in the HSE book "A comprehensive guide to managing asbestos in premises". The guidance describes a multi stage approach, firstly identifying any asbestos hazards followed by prioritising the actions required to manage them. The various stages and the part this document plays in them is outlined below.

STAGE 1 - MATERIAL ASSESSMENT

The first stage is to establish the location and condition of any asbestos containing materials. This survey reports where asbestos containing materials (ACMs) are located and what hazard they represent to anybody exposed to them. In the pages that follow can be found a list of the various ACM ranked into bands indicating how greater hazard they represent. The way these bands are grouped is explained below:

HAZARD BAND A: - 10 points or more - HIGH HAZARD MATERIAL

ACMs in this band should be regarded as having a significant potential to release fibres if disturbed. A decision should be made urgently on how to ensure that people are not exposed to the hazard.

HAZARD BAND B - 7 to 9 points - MEDIUM HAZARD MATERIAL

ACMs in this band can also be regarded as having a significant potential to release fibres if disturbed but not as much as those in risk band A. A decision regarding how these ACMs are to be managed should be made promptly but probably as part of the overall management plan.

HAZARD BAND C - 5 and 6 points - LOW HAZARD MATERIAL

ACMs in this band should be regarded as providing a low risk to people exposed to them but precautions should be followed and regular inspection of the sites will be required to check on any deterioration in condition.

HAZARD BAND D - 1 to 4 points - MINOR HAZARD MATERIAL

Similarly to Band C, ACMs in this band should be regarded as providing a low risk to people exposed to them but precautions should be followed and regular inspection of the sites will be required to check on any deterioration in condition.

HAZARD BAND E - 0 points - NO ASBESTOS HAZARD

MATERIAL ASSESSMENTS:

For each sample / inspection, a Material Assessment is compiled. A points score is allocated on the basis of the examination of a number of parameters. The scoring algorithm is described in the HSE document referenced MDHS100. This scoring, and the associated banding helps rank the hazards in order of their seriousness.

The parameters which go to make up the score are as follows:

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PRODUCT TYPE:

Different ACM's have different propensities for releasing asbestos fibres. This parameter provides different scores related to how likely they are to release fibres.

TYPE 1 - Score 1 point

Asbestos reinforced composites (Plastics, resins, mastics, roofing felts, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement etc)

TYPE 2 - Score 2 points

Asbestos insulating board, mill boards, other low density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt.

TYPE 3 - Score 3 points

Thermal insulation (eg pipe and boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses and packing.

EXTENT OF DAMAGE:

GOOD CONDITION - Score 0 points

No visible damage.

LOW DAMAGE - Score 1 point

A few scratches or surface marks; broken edges on boards, tiles etc.

MEDIUM DAMAGE - Score 2 points

Significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres.

HIGH DAMAGE - Score 3 points

High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.

SURFACE TREATMENT:

If an ACM is sealed inside a non asbestos layer its ability to release fibres is considerably, if not totally, inhibited. This parameter makes a judgement on the effectiveness of the seal which is often in the form of a thick paint like layer.

SCORE 0 POINTS

Composite materials containing asbestos. Eg. Reinforced plastics, resins and vinyl tiles.

SCORE 1 POINT

Enclosed sprays and lagging, asbestos insulating board (with exposed face painted or encapsulated), asbestos cement sheets etc.

SCORE 2 POINTS

Unsealed asbestos insulating board, or encapsulated laggings and sprays.

SCORE 3 POINTS

Unsealed laggings and sprays.

ASBESTOS TYPE:

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CHRYBOTILE ASBESTOS - Scores 1 point
 AMPHIBOLE ASBESTOS (excluding crocidolite) - Score 2 points.
 CROCIDOLITE ASBESTOS - Scores 3 points

STAGE 2 - PRIORITY ASSESSMENT

Once the hazards have been identified the HSE guidance indicates how to apply a numbering system which will help prioritise the ACMs for any treatment they require. The information the prioritising algorithm requires falls into 2 groups, both of which are aimed at calculating the level of risk that people near the hazard are exposed to.

GROUP 1 - ACM RELATED DATA (DISTURBANCE AND MAINTENANCE ASSESSMENT)

The first group records more information regarding the ACM itself and is divided into sub groups as follows:

A. LIKELIHOOD OF DISTURBANCE

This section estimates how likely the ACM is to be disturbed and influences the overall score accordingly. It has three areas of interest:

LOCATION

OUTDOORS - Score 0 points
 LARGE ROOMS - Score 1 point
 Large rooms or well ventilated areas
 ROOMS UPTO 100Sq Mts - Score 2 points
 CONFINED SPACES - Score 3 points

ACCESS

USUALLY INACCESSIBLE - Score 0 points
 Includes those areas unlikely to be disturbed.
 OCCASIONALLY DISTURBED - Score 1 point
 EASILY DISTURBED - Score 2 points
 ROUTINELY DISTURBED - Score 3 points

AMOUNT

SMALL AMOUNTS - Score 0 points
 Includes all small items, strings gaskets etc.
 UPTO 10 sq mts or 10 linear mts - Score 1 point
 10 - 50 SQ MTRS OR LINEAR MTRS - Score 2 points
 MORE THAN 50 SQ MTRS OR LINEAR MTRS - score 3 points

B. MAINTENANCE ACTIVITY**TYPE****ARG Surveys Ltd**

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This parameter takes into account how disturbing any maintenance activity is and falls into the following groups:

SCORE 0 POINTS

Minor disturbance (eg. possibility of contact when gaining access)

SCORE 1 POINT

Low disturbance (eg. Changing light bulbs in AIB ceiling)

SCORE 2 POINTS

Medium disturbance (eg. Lifting 1 or 2 of AIB ceiling tiles to replace a valve or re-cabling)

SCORE 3 POINTS

High levels of disturbance (eg. Removing a number of of AIB ceiling tiles to replace a valve or re-cabling)

FREQUENCY OF MAINTENANCE

SCORE 0 POINTS - ACM unlikely to be disturbed for maintenance

SCORE 1 POINT - More than once a year

SCORE 2 POINTS - More than once a year

SCORE 3 POINTS - More than once a month

GROUP 2 - LOCATION of ACM (LOCATION ASSESSMENT)

This group of parameters provides information associated with the surroundings in which the ACM is situated and what use those surroundings are put to. It is divided up into sub-groups as follows:

A. NORMAL OCCUPANT ACTIVITY

This parameter takes into account the main and secondary activities for the area, both fall into the following groups.

SCORE 0 POINTS - Rare disturbance

SCORE 1 POINT - Low disturbance

SCORE 2 POINTS - Periodic disturbance

SCORE 3 POINTS - High disturbance

B. HUMAN EXPOSURE POTENTIAL

NUMBER OF OCCUPANTS

- SCORE 0 POINTS - No occupants
- SCORE 1 POINT - 1 - 3 occupants
- SCORE 2 POINTS - 4 - 10 occupants
- SCORE 3 POINTS - More than 10 occupants

FRQUENCY OF USE

- SCORE 0 POINTS - Infrequent
- SCORE 1 POINT - Monthly
- SCORE 2 POINTS - Weekly
- SCORE 3 POINTS - Daily

AVERAGE TIME IN USE

- SCORE 0 POINTS - Less than 1 hour
- SCORE 1 POINT - 1 - 3 hours
- SCORE 2 POINTS - 3 - 6 hours
- SCORE 3 POINTS - More than 6 hours

The accumulated information scores are summed to create a total which is referred to as the priority assessment score.

TOTAL ASSESSMENT

Adding the Material and Priority Assessment scores together produces the Total Assessment Score.

These three scores help decide the priority to apply in dealing with each ACM. two reports follow which are designed to rank the data firstly by Hazard Band, which identifies any urgent actions. The second report gives all three assessment scores ranked by Total Assessment Band or risk bands. These bands are grouped as follows:

Although recommendations which are issued will vary according to each individual situation, it is desirable that some standardisation of action is achieved to allow Property and Engineering Managers to identify areas that require immediate attention, and to instigate planned preventive maintenance and management of asbestos containing materials.

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RISK BAND A:

18 Points or more

HIGH RISK MATERIAL REQUIRING URGENT ATTENTION:

The potential hazard arising from this category warrants urgent action. Immediate plans should be made for the removal of the asbestos containing material. If delay of removal is likely to occur the asbestos should be sealed / encapsulated and approved warning labels (A Labels) positioned to prevent accidental damage to the material.

RISK BAND B:

14-17 Points

MEDIUM RISK MATERIAL REQUIRING NEAR TERM ATTENTION:

This category indicates that deterioration in any of the contributory factors may result in fibre release. Therefore all asbestos should be removed on a programmed basis within a specified time scale - normally 12 months. The condition of the asbestos material should be regularly monitored and, where necessary, sealed / re-encapsulated until removal takes place. Approved warning labels (A Labels) should be positioned to prevent accidental damage to the material.

RISK BAND C:

9-13 Points

LOW RISK MATERIAL REQUIRING REGULAR INSPECTION:

This category indicates the need for regular monitoring. Although the current risk of fibre release is low, this material may suffer deterioration through age / accidental damage. It is recommended that asbestos in this category is visually inspected on a six monthly basis to ascertain any change in condition. Where such a change occurs re-prioritisation to Risk Band B will be necessary. Approved warning labels (A Labels) should be positioned to prevent accidental damage to the material.

RISK BAND D:

1-8 Points

MINOR RISK MATERIAL REQUIRING ANNUAL INSPECTION:

This category indicates Low Priority. Visual inspections should be made on an annual basis to ascertain any change in condition. Where such a change occurs re-prioritisation to Risk Band C or B will be necessary. Approved warning labels (A Labels) should be positioned to prevent accidental damage to the material.

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RISK BAND E:

0 Points

NO ACTION REQUIRED

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Hazard Band Analysis**Hazard Band: B Med Hazard Material**

		<i>Sample Ref</i>	<i>Description/Remarks</i>	<i>Surveyor's Comment</i>	<i>Action Date</i>
Main Boiler Room	Basement Wall	5279-001-BS03	Panel on wall to back of dumb waiter	Encapsulate, label and monitor for deterioration or remove under fully controlled conditions	20/03/2006

Hazard Band: C Low Hazard Material

		<i>Sample Ref</i>	<i>Description/Remarks</i>	<i>Surveyor's Comment</i>	<i>Action Date</i>
Main Staff Room	1st Floor Door	5279-001-BS01	Panel lining to back of door (Also present in other areas - see drawing)	Label and monitor for deterioration or remove under fully controlled conditions	20/03/2006
Main Toy Library	1st Floor Door	5279-001-BS02	Panel lining to back of door	Label and monitor for deterioration or remove under fully controlled conditions	20/03/2006
Main Staircase	Basement Door	5279-001-BS05	Panel lining to back of door to basement staircase	Encapsulate, label and monitor for deterioration or remove under fully controlled conditions	20/03/2006

Hazard Band: D Minor Hazard Material

		<i>Sample Ref</i>	<i>Description/Remarks</i>	<i>Surveyor's Comment</i>	<i>Action Date</i>
Main Store Room	Basement Sink & Cupboard	5279-001-BS04	Board lining to 2No. shelves and side of cupboard	Encapsulate, label and monitor for deterioration or remove under fully controlled conditiond	20/03/2006

Total Assessment Analysis

Risk Band: C Low risk Material Requiring Regular Inspection

<u>Location</u>	<u>Sample Ref</u>	<u>Hazard</u>	<u>Priority Ass'mnt</u>	<u>Total Ass'mnt</u>			
Main Staff Room	1st Floor Door	5279-001- BS01	5C	8	13C	Low risk Material Requiring Regular Inspection	Label and monitor for deterioration or remove under fully controlled conditions
Panel lining to back of door (Also present in other areas - see drawing)							
Main Toy Library	1st Floor Door	5279-001- BS02	5C	8	13C		Label and monitor for deterioration or remove under fully controlled conditions
Panel lining to back of door							
Main Boiler Room	Basement Wall	5279-001- BS03	7B	4	11C		Encapsulate, label and monitor for deterioration or remove under fully controlled conditions
Panel on wall to back of dumb waiter							
Main Staircase	Basement Door	5279-001- BS05	6C	4	10C		Encapsulate, label and monitor for deterioration or remove under fully controlled conditions
Panel lining to back of door to basement staircase							

Risk Band: D Minor Risk Material Requiring Annual Inspection

<u>Location</u>	<u>Sample Ref</u>	<u>Hazard</u>	<u>Priority Ass'mnt</u>	<u>Total Ass'mnt</u>			
Main Store Room	Basement Sink & Cupboard	5279-001- BS04	4D	3	7D	Minor Risk Material Requiring Annual Inspection	Encapsulate, label and monitor for deterioration or remove under fully controlled conditiond
Board lining to 2No. shelves and side of cupboard							

INSPECTION SUMMARY by Location

Muswell Hill Library

<i>Inspection Ref</i>	<i>Location</i>	<i>Asbestos</i>	<i>Remarks</i>
Building: <u>Main</u>			
Floor: <u>1st Floor</u>			
5279-001-BS01	Staff Room	Amosite/Chrysotile	Panel lining to back of door (Also present in other areas - see drawing) Label and monitor for deterioration or remove under fully controlled conditions
5279-001-BS02	Toy Library	Amosite/Chrysotile	Panel lining to back of door Label and monitor for deterioration or remove under fully controlled conditions
Floor: <u>Basement</u>			
5279-001-BS03	Boiler Room	Amosite/Chrysotile	Panel on wall to back of dumb waiter Encapsulate, label and monitor for deterioration or remove under fully controlled conditions
5279-001-BS05	Staircase	Amosite/Chrysotile	Panel lining to back of door to basement staircase Encapsulate, label and monitor for deterioration or remove under fully controlled conditions
5279-001-BS04	Store Room	Chrysotile	Board lining to 2No. shelves and side of cupboard Encapsulate, label and monitor for deterioration or remove under fully controlled conditiond

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Environmental Inspection Record

Muswell Hill Library

Building Main	Floor 1st Floor
Room Staff Room	Area Door

Inspection Ref No

5279-001-BS01



Sample/Inspect Date	14/03/2005
Survey or Inspection	Insp/Sample
Surveyor	Steve Seaton
Sample taken	No
Analyst	EMC
Analysis Date	17/03/2005
Lab Reference	EMC/00100802
Contains Asbestos	Yes
Next Inspection	20/03/2006

Panel lining to back of door (Also present in other areas - see drawing)

Picture from Survey: 5279-001

MATERIAL ASSESSMENT

Item / Material	Board			Hazard Band	C	Material Assessment Score	<u>5</u>
Product Type	Score	Extent of Damage	Score	Surface Treatment	Score	Asbestos Type	Score
AIB	2	Good Condition	0	AIB-Encapsulated	1	Amosite/Chrysotile	2

Hazard Warning Level Low Hazard Material

Surveyors Comment Label and monitor for deterioration or remove under fully controlled conditions

Assessment Ref 5279-001	Assessment Date 14/03/2005	Assessor Steve Seaton
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PRIORITY ASSESSMENT

Assessment Description Priority assessment conducted at the same time as the material assessment

Priority Assessment Score **8**

LOCATION ASSESSMENT		Main Activity	Score	Secondary Activity	Score	Activity	Score
		Periodic Disturbance	2	Periodic Disturbance	2	Medium	2

No of Occupants	Score	Frequency of use	Score	Avg. Time In Use	Score	Exposure Potential	Score
4 to 10	2	Daily	3	> 3 to < 6 hours	2	Medium	2

DISTURB & MAINT ASSESSMENT		Maintenance Type	Score	Maint. Frequency	Score	Maint. Activity	Score
		Medium disturbance	2	<= 1 per year	1	Medium	2

Location	Score	Accessibility	Score	Extent / Amount	Score	Disturbance Likely	Score
Room to 100m ²	2	Routinely disturbed	3	2 Sq mt approx.	1	Medium	2

Total Assessment Low risk Material Requiring Regular Inspection

Risk Band **C**

TOTAL ASSESSMENT **13**

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Environmental Inspection Record

Muswell Hill Library

Building Main	Floor 1st Floor	Inspection Ref No 5279-001-BS02
Room Toy Library	Area Door	



Sample/Inspect Date	14/03/2005
Survey or Inspection	Insp/Sample
Surveyor	Steve Seaton
Sample taken	Yes
Analyst	EMC
Analysis Date	17/03/2005
Lab Reference	EMC/00100803
Contains Asbestos	Yes
Next Inspection	20/03/2006

Panel lining to back of door

Picture from Survey: 5279-001

MATERIAL ASSESSMENT

Item / Material	Board		Hazard Band	C	Material Assessment Score	5	
Product Type	Score	Extent of Damage	Score	Surface Treatment	Score	Asbestos Type	Score
AIB	2	Good Condition	0	AIB-Encapsulated	1	Amosite/Chrysotile	2

Hazard Warning Level Low Hazard Material

Surveyors Comment Label and monitor for deterioration or remove under fully controlled conditions

PRIORITY ASSESSMENT

Assessment Ref	5279-001	Assessment Date	14/03/2005	Assessor	Steve Seaton	Priority Assessment Score	8
Assessment Description	Priority assessment conducted at the same time as the material assessment						
LOCATION ASSESSMENT		Main Activity	Score	Secondary Activity	Score	Activity	Score
		Periodic Disturbance	2	Periodic Disturbance	2	Medium	2
No of Occupants	Score	Frequency of use	Score	Avg. Time In Use	Score	Exposure Potential	Score
4 to 10	2	Daily	3	> 3 to < 6 hours	2	Medium	2
DISTURB & MAINT ASSESSMENT		Maintenance Type	Score	Maint. Frequency	Score	Maint. Activity	Score
		Medium disturbance	2	<= 1 per year	1	Medium	2
Location	Score	Accessibility	Score	Extent / Amount	Score	Disturbance Likely	Score
Room to 100m ²	2	Routinely disturbed	3	2 Sq mt approx.	1	Medium	2
Total Assessment	Low risk Material Requiring Regular Inspection			Risk Band	C	TOTAL ASSESSMENT	13

ARG Surveys Ltd

SiteID:	5279-001
Survey Ref:	5279-001
Last Survey:	14 March 2005
Printed on:	04 April 2005
Sample Rcd	Page 2 of 5

Environmental Inspection Record

Muswell Hill Library

Building

Main

Floor

Basement

Inspection Ref No

5279-001-BS03

Room

Boiler Room

Area

Wall



Sample/Inspect Date 14/03/2005

Survey or Inspection Insp/Sample

Surveyor Steve Seaton

Sample taken Yes

Analyst EMC

Analysis Date 17/03/2005

Lab Reference EMC/00100804

Contains Asbestos Yes

Next Inspection 20/03/2006

Panel on wall to back of dumb waiter

Picture from Survey: 5279-001

MATERIAL ASSESSMENT

Item / Material	Board			Hazard Band	B	Material Assessment Score	7
Product Type	Score	Extent of Damage	Score	Surface Treatment	Score	Asbestos Type	Score
AIB	2	Medium Damage	2	AIB-Encapsulated	1	Amosite/Chrysotile	2

Hazard Warning Level Med Hazard Material

Surveyors Comment Encapsulate, label and monitor for deterioration or remove under fully controlled conditions

Assessment Ref	Assessment Date	Assessor	PRIORITY ASSESSMENT				
5279-001	14/03/2005	Steve Seaton	Priority Assessment Score	4			
Assessment Description	Priority assessment conducted at the same time as the material assessment						
LOCATION ASSESSMENT		Main Activity	Score	Secondary Activity	Score	Activity	Score
		Low Disturbance	1	Low Disturbance	1	Low	1
No of Occupants	Score	Frequency of use	Score	Avg. Time In Use	Score	Exposure Potential	Score
1 to 3	1	Infrequent	0	> 1 to < 3 hours	1	Low	1
DISTURB & MAINT ASSESSMENT		Maintenance Type	Score	Maint. Frequency	Score	Maint. Activity	Score
		Minor disturbance	0	<= 1 per year	1	Low	1
Location	Score	Accessibility	Score	Extent / Amount	Score	Disturbance Likely	Score
Room to 100m ²	2	Unlikely disturbed	0	1 Sq mt approx.	0	Low	1
Total Assessment	Low risk Material Requiring Regular Inspection			Risk Band	C	TOTAL ASSESSMENT	11

ARG Surveys Ltd

SiteID: 5279-001
 Survey Ref: 5279-001
 Last Survey: 14 March 2005
 Printed on: 04 April 2005
 Sample Rcd: Page 3 of 5

Environmental Inspection Record

Muswell Hill Library

Building	Floor
Main	Basement
Room	Area
Store Room	Sink & Cupboard

Inspection Ref No

5279-001-BS04



Sample/Inspect Date	14/03/2005
Survey or Inspection	Insp/Sample
Surveyor	Steve Seaton
Sample taken	Yes
Analyst	EMC
Analysis Date	17/03/2005
Lab Reference	EMC/00100805
Contains Asbestos	Yes
Next Inspection	20/03/2006

Board lining to 2No. shelves and side of cupboard

Picture from Survey: 5279-001

MATERIAL ASSESSMENT

Item / Material	Board		Hazard Band	D	Material Assessment Score	4	
Product Type	Score	Extent of Damage	Score	Surface Treatment	Score	Asbestos Type	Score
Asbestos cement	1	Low Damage	1	Asbestos cement- Unsealed	1	Chrysotile	1
Hazard Warning Level	Minor Hazard Material						
Surveyors Comment	Encapsulate, label and monitor for deterioration or remove under fully controlled condition						

Assessment Ref	Assessment Date	Assessor	PRIORITY ASSESSMENT				
5279-001	14/03/2005	Steve Seaton	Priority Assessment Description		Priority Assessment Score	3	
			Priority assessment conducted at the same time as the material assessment				
LOCATION ASSESSMENT		Main Activity	Score	Secondary Activity	Score	Activity	Score
		Low Disturbance	1	Low Disturbance	1	Low	1
No of Occupants	Score	Frequency of use	Score	Avg. Time In Use	Score	Exposure Potential	Score
None	0	Infrequent	0	> 1 to < 3 hours	1	None	0
DISTURB & MAINT ASSESSMENT		Maintenance Type	Score	Maint. Frequency	Score	Maint. Activity	Score
		Low disturbance	1	<= 1 per year	1	Low	1
Location	Score	Accessibility	Score	Extent / Amount	Score	Disturbance Likely	Score
Room to 100m ²	2	Occasionally disturbed	1	2 Sq mt approx.	1	Low	1
Total Assessment	Minor Risk Material Requiring Annual Inspection			Risk Band	D	TOTAL ASSESSMENT	7

ARG Surveys Ltd

SiteID:	5279-001
Survey Ref:	5279-001
Last Survey:	14 March 2005
Printed on:	04 April 2005
Sample Rcd	Page 4 of 5

Environmental Inspection Record

Muswell Hill Library

Building

Main

Floor

Basement

Inspection Ref No

5279-001-BS05

Room

Staircase

Area

Door



Sample/Inspect Date

14/03/2005

Survey or Inspection

Insp/Sample

Surveyor

Steve Seaton

Sample taken

Yes

Analyst

EMC

Analysis Date

17/03/2005

Lab Reference

EMC/00100806

Contains Asbestos

Yes

Next Inspection

20/03/2006

Panel lining to back of door to basement staircase

Picture from Survey: 5279-001

MATERIAL ASSESSMENT

Item / Material

Board

Hazard Band

C

Material Assessment Score

6

Product Type

Score

Extent of Damage

Score

Surface Treatment

Score

Asbestos Type

Score

AIB

2

Low Damage

1

AIB-Encapsulated

1

Amosite/Chrysotile

2

Hazard Warning Level

Low Hazard Material

Surveyors Comment

Encapsulate, label and monitor for deterioration or remove under fully controlled conditions

Assessment Ref

5279-001

Assessment Date

14/03/2005

Assessor

Steve Seaton

PRIORITY ASSESSMENT

Assessment Description

Priority assessment conducted at the same time as the material assessment

Priority Assessment Score

4

LOCATION ASSESSMENT

Main Activity

Score

Secondary Activity

Score

Activity

Score

Periodic Disturbance

2

Periodic Disturbance

2

Medium

2

No of Occupants

Score

Frequency of use

Score

Avg. Time In Use

Score

Exposure Potential

Score

None

0

Infrequent

0

> 1 to < 3 hours

1

None

0

DISTURB & MAINT ASSESSMENT

Maintenance Type

Score

Maint. Frequency

Score

Maint. Activity

Score

Low disturbance

1

<= 1 per year

1

Low

1

Location

Score

Accessibility

Score

Extent / Amount

Score

Disturbance Likely

Score

Room to 100m²

2

Occasionally disturbed

1

1.5 Sq mt approx.

1

Low

1

Total Assessment

Low risk Material Requiring Regular Inspection

Risk Band

C

TOTAL ASSESSMENT

10

ARG Surveys Ltd

SiteID:

5279-001

Survey Ref:

5279-001

Last Survey:

14 March 2005

Printed on:

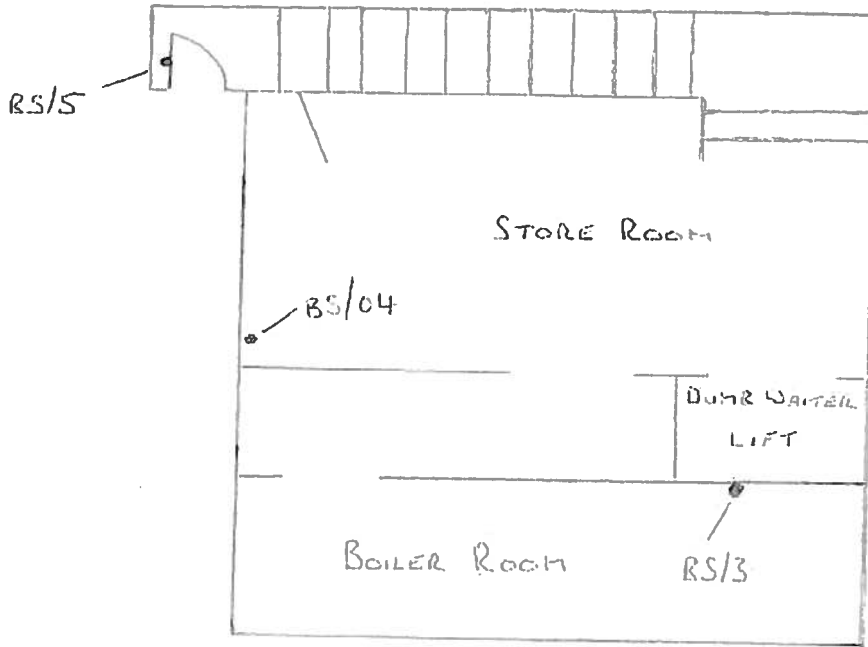
04 April 2005

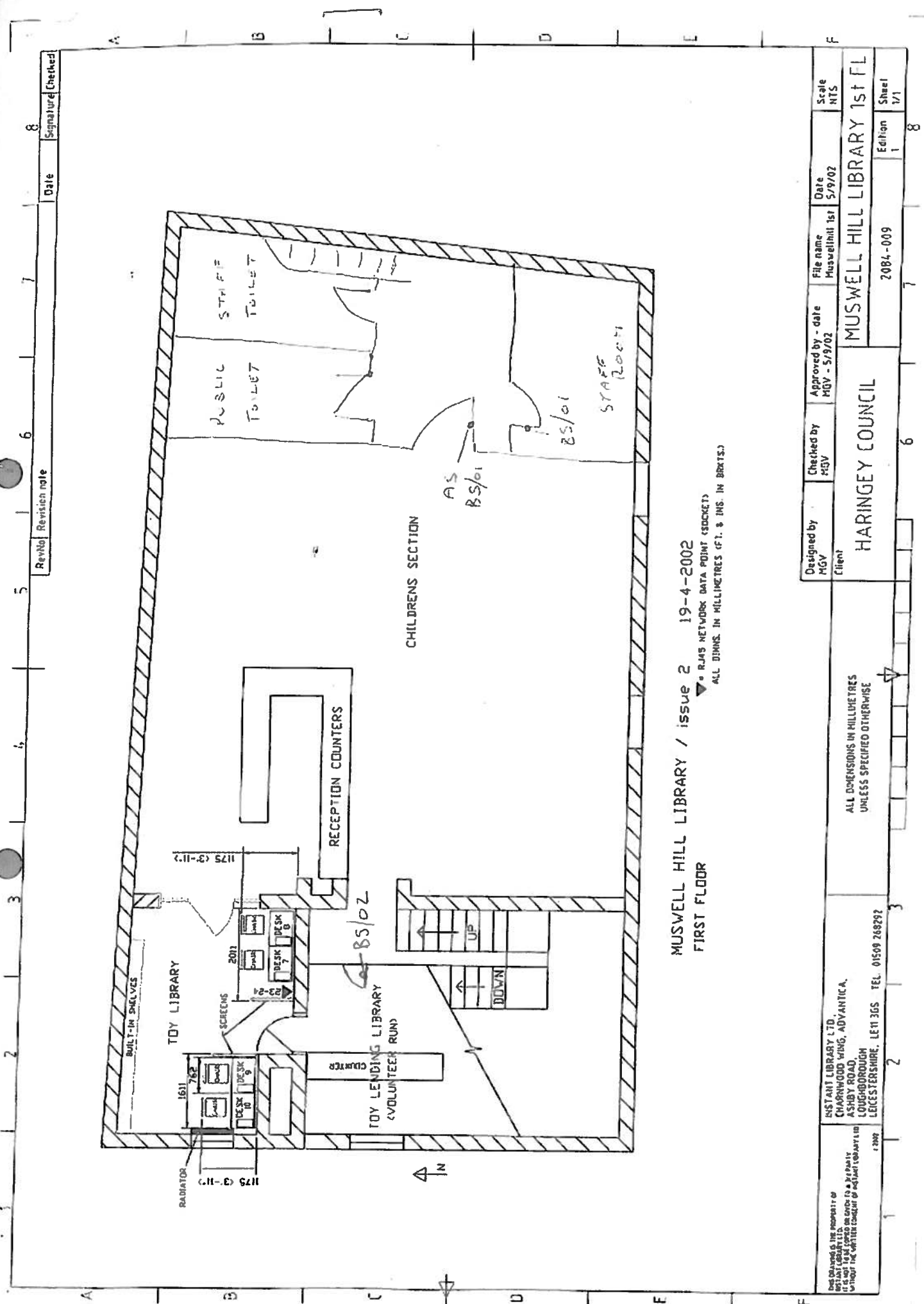
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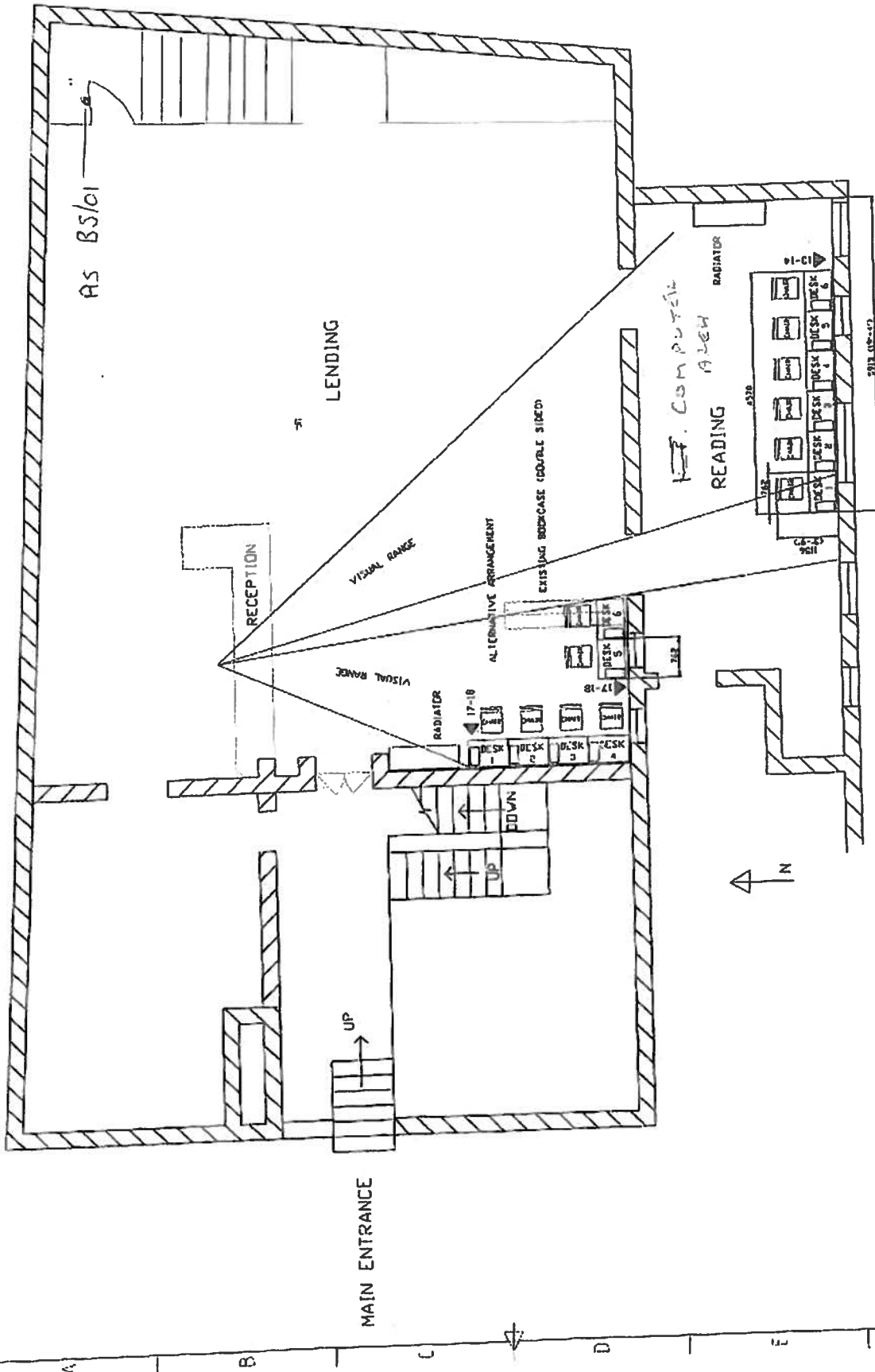
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Sheet 1/1



Certificate No.

EMC / 05 / 01246

CERTIFICATE FOR IDENTIFICATION OF ASBESTOS FIBRES

Client:	ARG Europe Ltd	Report Date:	17/03/2005
Client Address:	Unit 2, 58a Alexandra Road Ponders End, Enfield Middlesex. EN3 7EH	Site Address:	Muswell Hill Library Queens Avenue London, N10 3PE
Sampled By:	Client	Sample/s Received:	14/03/2005
No. Samples:	5	Sample/s Analysed:	17/03/2005 to 17/03/2005
		EMC Proj. Ref.:	N / A
		Page:	1 of 1

All analysis conducted in accordance with EMC in-house Method PRO02 and MDHS 77 'Asbestos in Bulk Materials. Environmental Management Consulting cannot be held responsible for interpretation or validity of sampling of materials undertaken by the Client. Sampling of test items undertaken by the laboratory or associated inspection body is conducted utilising in-house Method PRO01 for which Environmental Management Consulting holds UKAS Accreditation. Samples will be retained for a minimum period of six months.

EMC Ref No.	Client Ref No.	Sample Location	Asbestos Type & Concentration	Analysis Ref No.
-	BS01	Door panel, 1st floor staff room	Amosite (M) Chrysotile (T)	EMC / 00100802
-	BS02	Panel to back of door toy library	Amosite (M) Chrysotile (T)	EMC / 00100803
-	BS03	Board on wall covering dumb waiter, boiler room	Amosite (M) Chrysotile (T)	EMC / 00100804
-	BS04	Lining to sink and cupboard unit, basement stores	Chrysotile (L)	EMC / 00100805
-	BS05	Panel to back of door to basement, basement stairs	Amosite (M) Chrysotile (T)	EMC / 00100806

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation. This includes reference to asbestos concentrations. (T) = Trace Concentration <2%, (L) = Low Concentration 2% - 15%, (M) = Medium Concentration >15% - 50%, (H) = High Concentration >50%
N A D.I.S. = No Asbestos Detected In Sample

The results detailed on this certificate shall not be reproduced except in full, without written approval of the Testing Laboratory.

Analysed By:	Shaun Boyle	Authorised By:	Dave Marston	Authorised Signature:	
		Position:	Technical Director		