Ministry of Defence

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[redacted]

[redacted]

10 April 2019

Ref. FOI 2019/03618

Dear [redacted]

Thank you for your letter of 15 March 2019 requesting the following information:

"Has there been any presence of asbestos in my old accommodation at Mansergh Barracks block 25 the old 16 battery accommodation block"

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

A search for the information has now been completed within the Ministry of Defence (MOD) and I can confirm that all the information in scope of your request is held. The information you have requested can be found at Annex A and Annex B but some of the information falls entirely within the scope of the absolute exemptions provided for at Section 40 (Personal Data) and has been redacted.

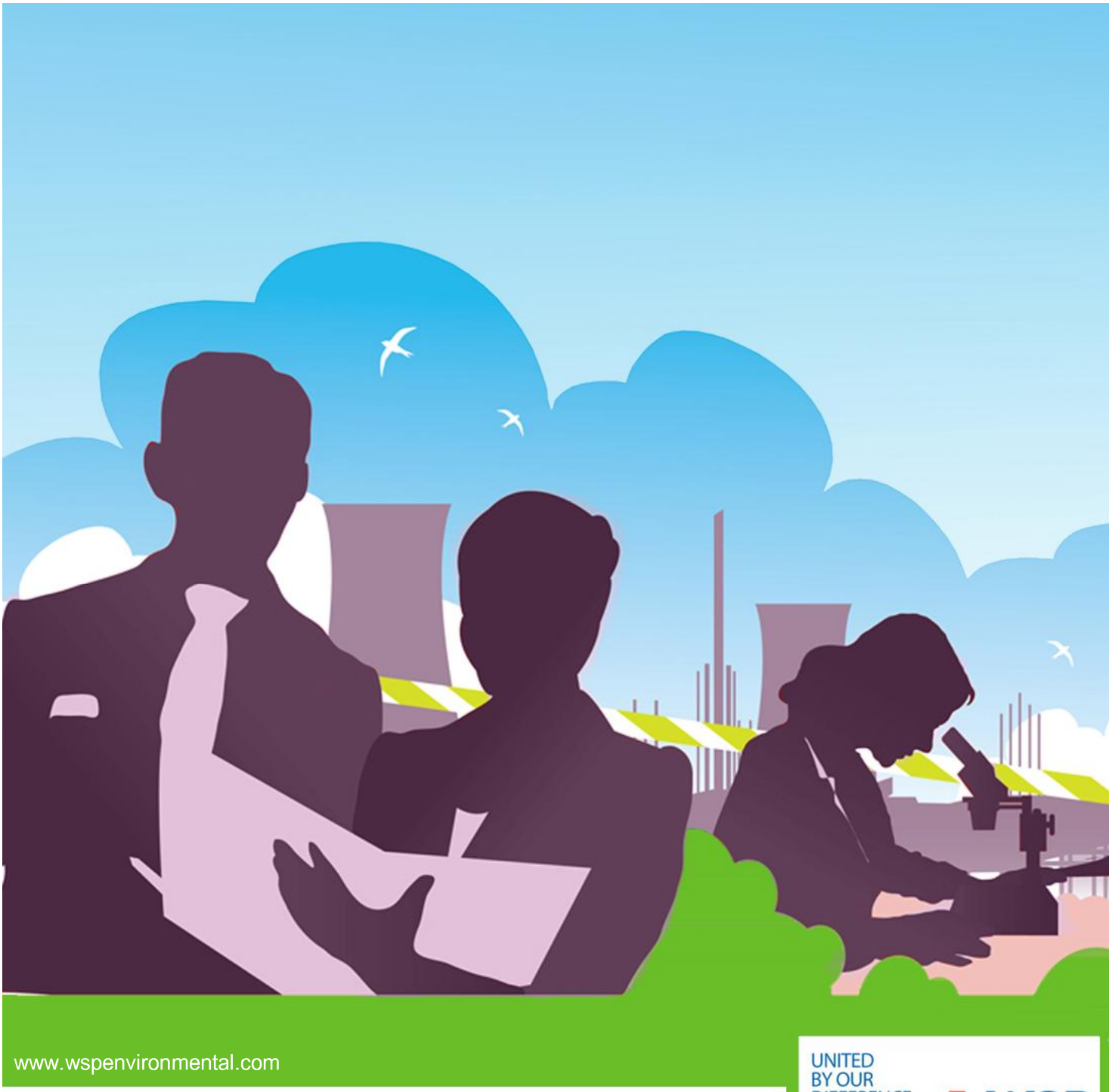
If you have any queries regarding the content of this letter, please contact this office in the first instance.

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.gov.uk). Please note that any request for an internal review should be made in writing within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not normally investigate your case until the MOD internal review process has been completed. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at https://ico.org.uk/.

Yours sincerely,

DIO Secretariat



Management Asbestos Survey Report

Block 25 Mansergh Barracks, Gutersloh

Client: Defence Infrastructure Organisation c/o BLB

Date: 03.08.2012

QUALITY MANAGEMENT

Issue/revision	Issue 1	Revision 1	Revision 2	Revision 3
Remarks	Final			
Date	03.08.2012			
Prepared by	[redacted]			
Signature	[redacted]			
Report Checked by	[redacted]			
Authorised by	[redacted]			
Signature	[redacted]			
Project number	26406			
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UKAS INSPECTION

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EXECUTIVE SUMMARY

SURVEY FINDING SUMMARY

The presence of ACMs (Asbestos Containing Materials) has been identified at Block 25 Mansergh Barracks, Gutersloh. The duty-holder has a statutory obligation to implement a plan to manage the associated risks. During the survey the following ACMs were identified:

Material Risk	Location Reference	Area Description	Sample Reference	Material Description	Extent	Recommended Action
Very Low	Loc0545	MA0025 Attic A3	AS26406/CB/0.20	Cement tile debris	1 Units	Manage and label
Very Low	Loc0547	MA0025 Attic A6	AS26406/CB/0.20	Cement roof tile on floor	1 Units	Manage and label
Very Low	Loc9139	MA0025 Attic A4	AS26406/CB/0.20	Cement roof tile debris	1 Units	Manage and label
Very Low	Loc0544	MA0025 Attic A3	26406/CB/0.20	Cement roof tile	2 Sq M	Manage and label
Very Low	Loc0546	MA0025 Attic A5	AS26406/CB/0.20	Cement roof tile debris	1 Units	Manage and label
Very Low	Loc0531	MA0025 Basement B/018	Presumed	Gasket on pipework flanges	6 Units	Manage and label
Low	Loc0537	MA0025 Basement B/008	Presumed	Gaskets	4 Units	Manage and label
Low	Loc0538	MA0025 Basement B/022	Presumed	Insulation board inside door	2 Sq M	Manage and label
Low	Loc0539	MA0025 Attic A1	26406/CB/0.16	Gasket on fire box door	2 Units	Manage and label

1 INTRODUCTION

All pages of this report must be read in conjunction with one another; they must be kept together and NOT singled out or copied individually as descriptions and locations are not always cross referenced.

1.1 SURVEY SCOPE

This report is based upon a non-destructive investigation of Mansergh Barracks, Gutersloh. .

As part of the survey planning and in order to comply with HSG 264, WSP RMS have ensured a Survey Plan Client Authorisation Form is completed, copies of which are appended to this Asbestos Survey Report (Appendix A).

The following information was requested from Defence Infrastructure Organisation c/o BLB:

- Site plans
- Historical asbestos survey/removal information
- Extent of the survey
- Number of buildings/rooms
- Details of any underground ducts/services

Areas included in the inspection are as described in the Material Register in Section 5.

Materials have been referred to as Asbestos Cement or Asbestos Insulating Board based upon their asbestos content confirmed by sample analysis and visual identification using the surveyor's judgement and experience. Water absorption testing of these materials has not been carried out.

Air monitoring to determine airborne fibre concentrations was not undertaken.

1.2 PURPOSE AND OBJECTIVES

The purpose of this survey is to locate as far as reasonably practicable, the presence and extent of any suspect ACMs in the building which could be damaged or disturbed during normal occupancy, including foreseeable maintenance and installation, and to assess their condition.

The objective of this report is to provide accurate information in order to;

- Form an asbestos register for the site as part of an Asbestos Management Plan
- Highlight any urgent action required to reduce the risk of exposure to asbestos
- To clearly identify that not all ACMs are likely to be found as part of this survey

All recommendations described in this report are standardised and based upon material assessments for each individual inspection. The assessments take into account the product type, asbestos type, extent of any damage and surface treatment to generate the associated risk evaluation. Recommendations should still be reviewed for suitability for each circumstance, however, statutory authorities or other bodies, may require amendments based upon local knowledge, change in legislation, change in use or other criteria.

Management actions are the next legal responsibility of the Client and should be based upon the information contained herein along with advice received from the building occupants about existing and proposed use and any known or anticipated works. Whilst we are happy to help you in this area it is outside the scope of this report.

Future refurbishment or demolition works may disturb or damage ACMs. Such materials should be suitably treated and some may require removal by a Licensed Asbestos Removal Contractor. This report may be used to identify known asbestos however it must be supplemented by a **refurbishment or demolition survey** as referred to in HSE publication HSG 264 Asbestos: The survey guide.

1.3 RISK ASSESSMENT

To ensure the Health & Safety of WSP RMS site surveyors, and in order to comply with the requirements of the Management of Health & Safety at Work Regulations 1999 and Regulation 6 of the Control of Asbestos Regulations 2012, a Risk Assessment was compiled a copy of which is available upon request.

1.4 LEGAL BACKGROUND

The Health and Safety at Work etc Act 1974, requires all employers, the self-employed and those who have control, to any extent, over a workplace to conduct their work so that anyone affected by their work will not be exposed to health and safety risks, and to provide information to anyone whose health and safety may be affected

Wider health and safety legislation in support of the Act includes the Management of Health & Safety at Work Regulations 1999 which require employers to assess the health and safety risks to third parties who may be affected by their activities. Also, actions to control the potential disturbance of asbestos during refurbishment and demolition may also be required under the Construction (Design and Management) Regulations 2007 (CDM)

The Control of Asbestos Regulations 2012 and specifically regulation 4, the ‘duty to manage asbestos’ contains an explicit duty to assess and manage the risks from the presence of asbestos. As part of this duty reasonable steps must be taken to determine the location of materials likely to contain asbestos. HSG 264 is the official supporting guidance on procedures for the assessment of asbestos in buildings.

2 GENERAL SITE INFORMATION

2.1 AUTHORISATION

WSP Risk Management Services (WSP RMS) was requested by [redacted] on behalf of Defence Infrastructure Organisation c/o BLB to undertake an Asbestos Management Survey of Mansergh Barracks, Gutersloh.

Should Defence Infrastructure Organisation c/o BLB wish to pass copies of this report issued on 02.08.2012 to other parties for information, the whole of the report should be copied and WSP RMS accepts no professional liability or warranty to other parties in this connection without the explicit written agreement thereto by WSP RMS, in accordance with our standard terms and conditions of engagement enclosed with our proposal reference 26406.

This document is submitted in connection with a contract to supply goods/services and is issued only on the basis of strict confidentiality.

It should be noted that this Asbestos survey report is not intended to be used as a Bill of Quantities for the removal of asbestos containing materials (ACMs) and should be used as a reference document only when tendering. All quantities detailed within the Asbestos survey report are approximations and should be verified by a competent person.

2.2 SURVEY METHODOLOGY

The survey was undertaken by [redacted] on 23 Jan 2012, utilising WSP RMS in-house Technical Procedure 'Surveying, Sampling and Assessment (SSA)', which is accredited by UKAS and conforms to the procedures set out in HSE guidance document HSG 264 entitled 'Asbestos: The survey guide' (April 2012)

Upon arrival on site any signing in/out or induction procedures were adhered to. Initially the team familiarised themselves with the premises and cross referenced the layout to the plans provided. Any apparent discrepancies were amended to reflect the current building layout. Where no plans were available the team compared the premises with the description provided by the clients representative and generated plans on site.

During this initial familiarisation the surveyors took into account the type, construction and age of the premise to be surveyed and current or former equipment and types of processes carried out in them. Surveyors should be cautious of basing judgements on the age of a building and its fabric. Specifications may have been altered during construction of the building or poor removal practice may have left debris and residues now partially concealed by substitute materials.

The survey team selected a suitable starting point for the commencement of the survey and then proceeded with due care in a systematic fashion until all areas of the premises were inspected.

2.3 DESCRIPTION OF THE AREAS INCLUDED IN THE SURVEY.

Full details of full area exclusions can be found in Section 3 and localised items within a room that could not be accessed are detailed under the heading 'Recommendations, limitations and photographs' in the materials register.

2.4 LEVEL OF IDENTIFICATION

Sampling of suspected ACMs was undertaken in accordance with WSP RMS in-house Technical Procedure SSA. All materials were left in a sound condition and were marked where possible with a label detailing the project number, date of sampling and relevant contact details.

Bulk sample analysis was undertaken by a UKAS accredited laboratory following principles detailed in HSE document HSG 248, 'Asbestos: The Analysts' Guide for sampling, analysis and clearance procedures'. Certificates of Analysis are shown in Appendix C for samples analysed.

3 SURVEY LIMITATIONS

3.1 GENERAL MANAGEMENT SURVEY LIMITATIONS.

It is known that asbestos materials are frequently concealed in the fabric of buildings or within sealed building voids so therefore it is not possible to regard the findings of any survey as being definitive. For reasons set out in this report, WSP RMS cannot give an assurance that all ACMs have been found.

Where pipe work is present assessments of pipe insulation to check for residual asbestos insulation has been undertaken and where possible sampling has been carried out behind panels. Where such inspections revealed possible ACMs samples were taken as described herein. The results of these inspections, tests and samples are only representative of the location inspected.

Samples have not been taken where the act of sampling would endanger the surveyor or affect the functional integrity of the item concerned, for example; fuses within electrical boxes, gaskets, hygiene devices, fire doors, ropes and caulking associated with heating, glazing or power plant etc. It may be prudent to presume these contain asbestos. Where presumptions have been made these are detailed within the materials register in Section 5.

Equipment, machinery and ducting were not moved, opened up or examined for the purpose of this investigation except where hatches were available. However, a reference has been made in this report to such items if they were suspected to contain asbestos. No access was made to any live electrical fuse boxes or switchgear.

Any sealed or inaccessible loft spaces or inaccessible lift shafts and escalators are detailed within this report.

We have not inspected any lift shafts, plant rooms or similar which require the attendance of a specialist engineer without that engineer in attendance.

We have not inspected within flues, ventilation ducts, voids or any similarly enclosed areas, the access to which necessitated the use of specialist equipment or tools, or which would have caused unacceptable damage to decoration, fixtures, fittings or the structure. Therefore we are unable to report on any asbestos as may be present in these areas.

We have not inspected any area that required the removal or relocation of furniture, equipment, goods, fixtures and fittings or large quantities of documents to gain access.

A limited inspection only has been carried out to pipe work and plant concealed by non-asbestos insulation. The presence of asbestos debris from previous removal works may be obscured by an overlying non-asbestos insulation or metal cladding. The removal of overlying non-asbestos insulation is considered outside the scope of this survey.

We have not generally inspected any part requiring specialist access equipment other than step ladders. Any requirement for specialist access equipment has been specifically addressed.

No responsibility is accepted for the presence of asbestos in voids (under floor, floor, wall or ceiling) other than those opened during the investigation. We have not reported on concealed spaces which may exist within the fabric of the building where the extent and presence of these is not evident due to inaccessibility or insufficient knowledge of the structure at the time of the survey.

Samples have not been taken where prohibited or prevented by the Client, tenant or their representative.

3.2 SITE SPECIFIC LIMITATIONS

Building Area	Area Description	Reason for access limitation
MA0025	Basement B/002	No Access
MA0025	Basement B/015	No access due to flooding
MA0025	Basement B/017	No access due to flooding
MA0025	Basement B/023	No Access no keys available
MA0025	Ground Floor 10	No Access
MA0025	Ground Floor 12	No Access
MA0025	Ground Floor 13	No Access
MA0025	Ground Floor 15	No Access
MA0025	Ground Floor 16	No Access
MA0025	Ground Floor 22	No Access
MA0025	Ground Floor 30	No Access
MA0025	Ground Floor 41	No Access
MA0025	Ground Floor 43	No Access
MA0025	Ground Floor 44	No Access
MA0025	Ground Floor 45	No Access
MA0025	Ground Floor 46	No Access
MA0025	Ground Floor 5	No Access
MA0025	Ground Floor 8	No Access
MA0025	Ground Floor 9	No Access

4 MATERIAL & PRIORITY ASSESSMENT

4.1 MATERIAL ASSESSMENTS.

Where ACMs have been presumed and/or identified, a Material Assessment Algorithm, as detailed in HSG 264, has been assigned.

The material assessment establishes the likelihood of the ACM releasing airborne fibres, taking into account its type and condition using the algorithm below.

TABLE 1: MATERIAL ASSESSMENT ALGORITHM

Sample Variable	Score	Examples of scores (see notes for more detail)
Product type (or debris from product)	1	Asbestos-reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement etc).
	2	AIB, millboards, other low-density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt
	3	Thermal insulation (e.g. pipe and boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses and packing
Extent of damage/deterioration	0	Good condition: no visible damage.
	1	Low damage: a few scratches or surface marks, broken edges on boards, tiles etc.
	2	Medium damage: significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres.
	3	High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.
Surface treatment	0	Composite materials containing asbestos: reinforced plastics, resins, vinyl tiles.
	1	Enclosed sprays and lagging, AIB (with exposed face painted or encapsulated) asbestos cement sheets etc.
	2	Unsealed AIB, or encapsulated lagging and sprays.
	3	Unsealed lagging and sprays
Asbestos type	1	Chrysotile
	2	Amphibole asbestos excluding Crocidolite
	3	Crocidolite

Score	Potential to release asbestos fibres (Risk Rating)
10-12	High (A)
7-9	Medium (B)
5-6	Low (C)
2-4	Very Low (D)

4.2 PRIORITY ASSESSMENTS

As stated in CAR 2012, Regulation 4 Paragraph 8 (a - c) it is the duty holders responsibility to ensure that a determination of the risk from any identified asbestos is made. The material assessment identifies the high risk material that is those which will most readily release airborne fibres if disturbed. It does not automatically follow that those materials assigned the highest score in the material assessment will be the materials that should be given priority for remedial action. Management priority must be determined by carrying out a risk assessment which will take into account factors such maintenance and occupant activities, likelihood of disturbance and human exposure potential.

No priority assessment has been carried out. The compilation of priority assessments falls outside the scope of WSP RMS' accreditation.

The priority risk assessment should take into account the following elements in line with current guidance:-

TABLE 2: PRIORITY ASSESSMENT ALGORITHM

Assessment Factor	Score	Examples of score variables	Overall Score
Normal Occupant Activity Main type of activity in area	0	Rare disturbance activity (e.g. little used store room)	Score
	1	Low disturbance activity (e.g. office type activity)	
	2	Periodic disturbance (e.g. industrial or vehicular activity which may contact ACMs)	
	3	High levels of disturbance (e.g. fire door with AIB sheet in constant use)	
Likelihood of disturbance Location	0	Outdoors	Average of 3 variables
	1	Large rooms or well-ventilated areas	
	2	Rooms up to 100m^2	
	3	Confined spaces	
Accessibility	0	Usually inaccessible or unlikely to be disturbed	
	1	Occasionally likely to be disturbed	
	2	Easily disturbed	
	3	Routinely disturbed	
Extent/amount	0	Small amounts or items (e.g. strings, gaskets)	
	1	10 m2 or 10 m pipe run	
	2	>10 m2 to 50 m2 or >10m to 50 m pipe run	
	3	>50 m2 or >50 m pipe run	

Assessment Factor	Score	Examples of score variables	Overall Score
Human exposure potential Number of occupants	0	None	Average of 3 variables
	1	1 to 3	
	2	4 to 10	
	3	>10	
Frequency of use of area	0	Infrequent	
	1	Monthly	
	2	Weekly	
	3	Daily	
Average time area is in use	0	<1 hour	
	1	>1 to <3 hours	
Maintenance activity Type of maintenance activity	0	Minor disturbance (eg possibility of contact when gaining access)	Average of 2 variables
	1	Low disturbance (eg changing light bulbs in AIB ceiling)	
	2	Medium disturbance (eg lifting one or two AIB ceiling tiles to access a valve	
	3	High levels of disturbance (eg removing a number of AIB ceiling tiles to replace a valve or for re-cabling)	
Frequency of maintenance activity	0	ACM unlikely to be disturbed for maintenance	
	1	1 per year	
	2	>1 per year	
	3	>1 per month	

4.3 EXTENT AND ACCESSIBILITY

These will be recorded in the following formats:

- Extent – Sq M, LM, Units (1no.), N/A

Note: N/A (Not Quantified) will only be used where accurate assessment of the extent of an ACM is impossible.

- Accessibility H = High – Easily accessible (Can be touched)

  M = Medium – Not easily reached (Stepladders)

  L = Low – Requires effort to reach (Specialist access equipment)

5 SURVEY RESULTS & RECOMMENDATIONS

5.1 MATERIALS REGISTER.

The survey results for all areas accessed are summarised in tabular format below.

Where a whole room has not been accessed detail is provided in the access limitations table in section 3.

Where a room has been accessed but there are specific items within which could not be accessed then this is recorded in the materials register in the comments box. No access items common to many rooms/areas will also be recorded in the access limitations table in section 3.

The certificate of laboratory analysis in Appendix C contains the results of a number of sites in the Gutersloh asbestos survey project. Please use the unique sample number recorded in the Materials Register for each sample when referring to the laboratory certificate.

5.2 RECOMMENDATIONS

The ACMs identified during the survey together with appropriate actions are summarised in the executive summary on page 1 and also detailed within the materials register below.

MATERIALS REGISTER

WSP
Risk Management Services

PROJECT NO: 26406 - Mansergh Bar

DATE OF INSPECTION: 23 Jan 2012

SITE / LOCATION ADDRESS:
Mansergh Barracks, Gutersloh

Please refer to section 3 for areas not accessed

MATERIAL ASSESSMENT ALGORITHM TOTALS (As defined in HSG 264):
≥10 HIGH RISK 7-9 MEDIUM RISK 5-6 LOW RISK ≤ 4 VERY LOW RISK

***1 Refer to certificate of analysis**
***2 Low – requires effort to reach, Medium – not easily reached, High – easily accessible.**
***3 N/A – Not Quantified**

Location Ref:	Area Description	Item Description	Approx. Extent items / Quantity (Lin M, Sq M, NA or no of units) (*3)	Product Type	Damage / Deterioration	Surface Treatment	Asbestos Type	Material Assessment Total	Overall risk total (lf req)	Accessibility. (*2)	Level of Identification (Sampled - 12345/AB01 Strongly Presumed - As 12345/AB01 Presumed – Presumed 01)	Asbestos Identification (*1)	Recommendations, limitations and photographs
Loc0540	MA0025 Attic A1	Dust Samples	> 10 Sq M	N/A	N/A	N/A	0	0	Very Low	N/A	26406/CB/0.17	No Asbestos Detected	 N/A
Loc0539	MA0025 Attic A1	Gasket on fire box door	= 2 Units	2	1	1	2	6	Low	Medium	26406/CB/0.16	Chrysotile, Amosite	 Manage and label
Loc0551	MA0025 Attic A10	Vinyl flooring	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	AS26406/CB/0.19	No Asbestos Detected	N/A
Loc0569	MA0025 Attic A11	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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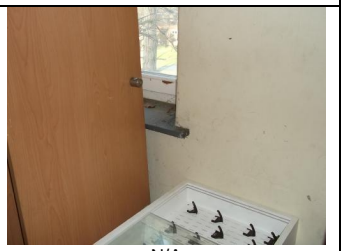
Loc0570	MA0025 Attic A12	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0571	MA0025 Attic A13	Vinyl Flooring	< 30 Sq M	N/A	N/A	N/A	0	0	Very Low	Medium	AS26406/CB/0.19	No Asbestos Detected	N/A
Loc0542	MA0025 Attic A2	Vinyl flooring	= 80 Sq M	N/A	N/A	N/A	0	0	Very Low	N/A	26406/CB/0.19	No Asbestos Detected	 N/A
Loc0541	MA0025 Attic A2	Window Sill	= 1 Units	N/A	N/A	N/A	0	0	Very Low	N/A	26406/CB/0.18	No Asbestos Detected	 N/A

MATERIALS REGISTER

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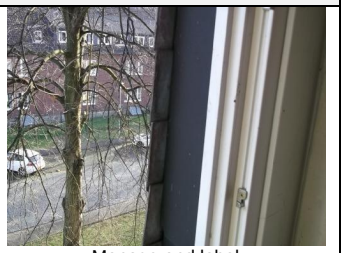
Loc0544	MA0025 Attic A3	Cement roof tile	= 2 Sq M	1	1	0	1	3	Very Low	High	26406/CB/0.20	Chrysotile	 Manage and label
Loc0545	MA0025 Attic A3	Cement tile debris	= 1 Units	1	0	0	1	2	Very Low	Medium	AS26406/CB/0.20	Chrysotile	 Manage and label
Loc0543	MA0025 Attic A3	Vinyl flooring	= 56 Sq M	N/A	N/A	N/A	0	0	Very Low	N/A	AS26406/CB/0.19	No Asbestos Detected	N/A
Loc9139	MA0025 Attic A4	Cement roof tile debris	1 Units	1	0	0	1	2	Very Low	N/A	AS26406/CB/0.20	Chrysotile	Manage and label

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Loc9138	MA0025 Attic A4	Vinyl flooring	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	AS26406/CB/0/19	No Asbestos Detected	N/A
Loc0546	MA0025 Attic A5	Cement roof tile debris	1 Units	1	0	1	1	3	Very Low	N/A	AS26406/CB/0.20	Chrysotile	Manage and label
Loc0547	MA0025 Attic A6	Cement roof tile on floor	= 1 Units	1	0	0	1	2	Very Low	Medium	AS26406/CB/0.20	Chrysotile	 Manage and label
Loc0548	MA0025 Attic A7	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

MATERIALS REGISTER

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Risk Management Services

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Loc0549	MA0025 Attic A8	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0550	MA0025 Attic A9	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0516	MA0025 Basement B/001	Pipe Lagging	N/A	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0517	MA0025 Basement B/003	Thermal lagging	= 20 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	26406/CB/0079	No Asbestos Detected	 N/A

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Loc0518	MA0025 Basement B/004	Pipe lagging	= 12 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0519	MA0025 Basement B/005	Pipe lagging	= 8 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0520	MA0025 Basement B/006	Pipe lagging	= 15 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0521	MA0025 Basement B/007	Pipe lagging	= 16 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A

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Loc0537	MA0025 Basement B/008	Gaskets	= 4 Units	2	1	1	1	5	Low	Low	Presumed	Chrysotile	 Remove
Loc0522	MA0025 Basement B/008	Pipe lagging	= 15 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0523	MA0025 Basement B/009	Pipe lagging	= 9 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0524	MA0025 Basement B/010	Pipe lagging	= 7 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A

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Loc0525	MA0025 Basement B/011	Pipe lagging	= 8 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0527	MA0025 Basement B/012	Insulating board	= 3 Sq M	N/A	N/A	N/A	N/A	0	Very Low	N/A	26406CB/0080	No Asbestos Detected	 N/A
Loc0526	MA0025 Basement B/012	Pipe lagging	< 40 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/0079	No Asbestos Detected	N/A
Loc0528	MA0025 Basement B/013	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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Loc0529	MA0025 Basement B/014	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0530	MA0025 Basement B/016	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0531	MA0025 Basement B/018	Gasket on pipework flanges	= 6 Units	2	0	1	1	4	Very Low	Low	Presumed	Chrysotile	 Manage and label
Loc0532	MA0025 Basement B/019	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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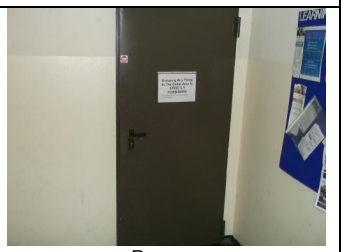
Loc0533	MA0025 Basement B/020	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0534	MA0025 Basement B/021	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0538	MA0025 Basement B/022	Insulation board inside door	= 2 Sq M	2	0	2	1	5	Low	Low	Presumed	Chrysotile	 Remove
Loc0536	MA0025 Basement B/024	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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Loc0483	MA0025 Ground Floor 11	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0484	MA0025 Ground Floor 14	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0485	MA0025 Ground Floor 17	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0486	MA0025 Ground Floor 18	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc9141	MA0025 Ground Floor 19	No Asbestos suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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Loc0475	MA0025 Ground Floor 1a	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access above metal slats
Loc0476	MA0025 Ground Floor 1b	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access above metal slats
Loc0477	MA0025 Ground Floor 2	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access above metal slats
Loc0488	MA0025 Ground Floor 21	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0489	MA0025 Ground Floor 23	Insulationboard to riser	= 3 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	AS26406/CB/76	No Asbestos Detected	N/A

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Loc0490	MA0025 Ground Floor 24	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0491	MA0025 Ground Floor 25a	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0492	MA0025 Ground Floor 25b	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0493	MA0025 Ground Floor 26	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0494	MA0025 Ground Floor 26a	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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Loc0495	MA0025 Ground Floor 26b	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0496	MA0025 Ground Floor 27a	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0497	MA0025 Ground Floor 27b	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0498	MA0025 Ground Floor 28a	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0499	MA0025 Ground Floor 28b	Insulation board on riser	= 3 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	26406/CB/76	No Asbestos Detected	N/A

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Loc0500	MA0025 Ground Floor 29	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0478	MA0025 Ground Floor 2a	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access above metal slats
Loc0479	MA0025 Ground Floor 3	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0501	MA0025 Ground Floor 31	MMMF ceiling tiles	= 25 Sq M	N/A	N/A	N/A	N/A	0	Very Low	N/A	26406/CB/77	No Asbestos Detected	N/A No access beneath carpet
Loc0502	MA0025 Ground Floor 32	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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Loc0503	MA0025 Ground Floor 35	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0504	MA0025 Ground Floor 39	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0480	MA0025 Ground Floor 4	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0505	MA0025 Ground Floor 42	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0506	MA0025 Ground Floor 47	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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Loc0507	MA0025 Ground Floor 48	No Asbestos Suspecetd	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0508	MA0025 Ground Floor 49	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0509	MA0025 Ground Floor 50	Insulation board on riser	= 3 Lin M	N/A	N/A	N/A	N/A	0	Very Low	N/A	26406/CB/76	No Asbestos Detected	 N/A No Access above metal ceiling
Loc0510	MA0025 Ground Floor 51	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access above metal ceiling

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Loc0511	MA0025 Ground Floor 52	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access above metal ceiling
Loc0512	MA0025 Ground Floor 53	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A
Loc0514	MA0025 Ground Floor 53a	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access beneath carpet
Loc0515	MA0025 Ground Floor 53b	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A No access beneath carpet
Loc0513	MA0025 Ground Floor 54	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

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***2 Low – requires effort to reach, Medium – not easily reached, High – easily accessible.**
***3 N/A – Not Quantified**

Location Ref:	Area Description	Item Description	Approx. Extent items / Quantity (Lin M, Sq M, NA or no of units) (*3)	Product Type	Damage / Deterioration	Surface Treatment	Asbestos Type	Material Assessment Total	Overall risk total (If req)	Accessibility. (*2)	Level of Identification (Sampled - 12345/AB01 Strongly Presumed - As 12345/AB01 Presumed – Presumed 01)	Asbestos Identification (*1)	Recommendations, limitations and photographs
Loc0481	MA0025 Ground Floor 6	MMMF to ceiling	N/A	N/A	N/A	N/A	N/A	0	Very Low	N/A	26406/CB/0078	No Asbestos Detected	 N/A No Access beneath carpet
Loc0482	MA0025 Ground Floor 7	No Asbestos Suspected	N/A	N/A	N/A	N/A	0	0	Very Low	N/A	N/A	No Asbestos Suspected	N/A

APPENDICES

Appendix A Survey Plan Client Authorisation Form

(2 No Attachment Pages)

Survey Plan Client Authorisation Form

Bid / Project Name (Number)	*25978 Gutersloh Asbestos*	**Date**	4 Dec 2011
Project Manager	[redacted]	**Documentation handover to surveyor**	
Client	*DIO / BLB*	**Date of Works**	Dec-Feb 2012
Description and use of the property to be surveyed (eg. Industrial, domestic etc) including any known site history	*In excess of 300 buildings listed in contract, located in Gutersloh, Herford,*		
What is the reason for undertaking the survey? (eg. Management, refurbishment)	*Management surveys and re-inspections of previously identified ACM.*		

Note: *This form should be completed by both WSP surveyors and clients prior to commencement of any site surveying activities, a copy of this form should be maintained in the project file. Additional information should be appended as required.* ***Surveyors should not proceed if information is incomplete****.*

Are plans available from the client (Hard copy or electronic)	Electronic.
Has all historical asbestos survey/removal information been made available?	To be provided as required.
Has the full extent of the survey been detailed (eg. Using plans)	Buildings are on list. Plans have been provided electronically – some not provided, to be made available.
Number of buildings (Does the scope of the survey include adjacent land and outbuildings?)	388. No outbuildings.
Number of rooms	To be determined.
Are there any unusual features associated with the property?	No but mildew + PCBs in basements.
Are there any underground ducts or services and are they to be included in the survey scope?	No. Only readily accessible areas.
Details of any known adaptations, extensions or refurbishments	See drawings.
Any known plant installations	All/most buildings have heating plant room.
Is the property listed?	~~Some, Town house, is listed~~ No (GB)

Will the premises be vacant or occupied during the survey?	Mostly occupied.
Are there any known access limitations on the site? (Confined spaces or high level areas)	No confirmed space entry. No High level except step ladder.
Does the client have any specific requirements or instructions? Eg. Reporting	Standard report for DE, plus Excel (Gold) Spreadsheets.
Who shall be responsible for arranging access? Please provide contact details?	Client. See QMs, and refer to [redacted] if needed.
How many bulk samples are anticipated?	TBD
Are photographs/labels required or are there any sensitive areas where photos/labels cannot be taken or applied?	Yes. Ash first in homes. No restrictions on labels.

Refurbishment/Demolition Surveys

Will isolation certificates be provided prior to the survey?	
Is re-instatement of intrusive access points required?	

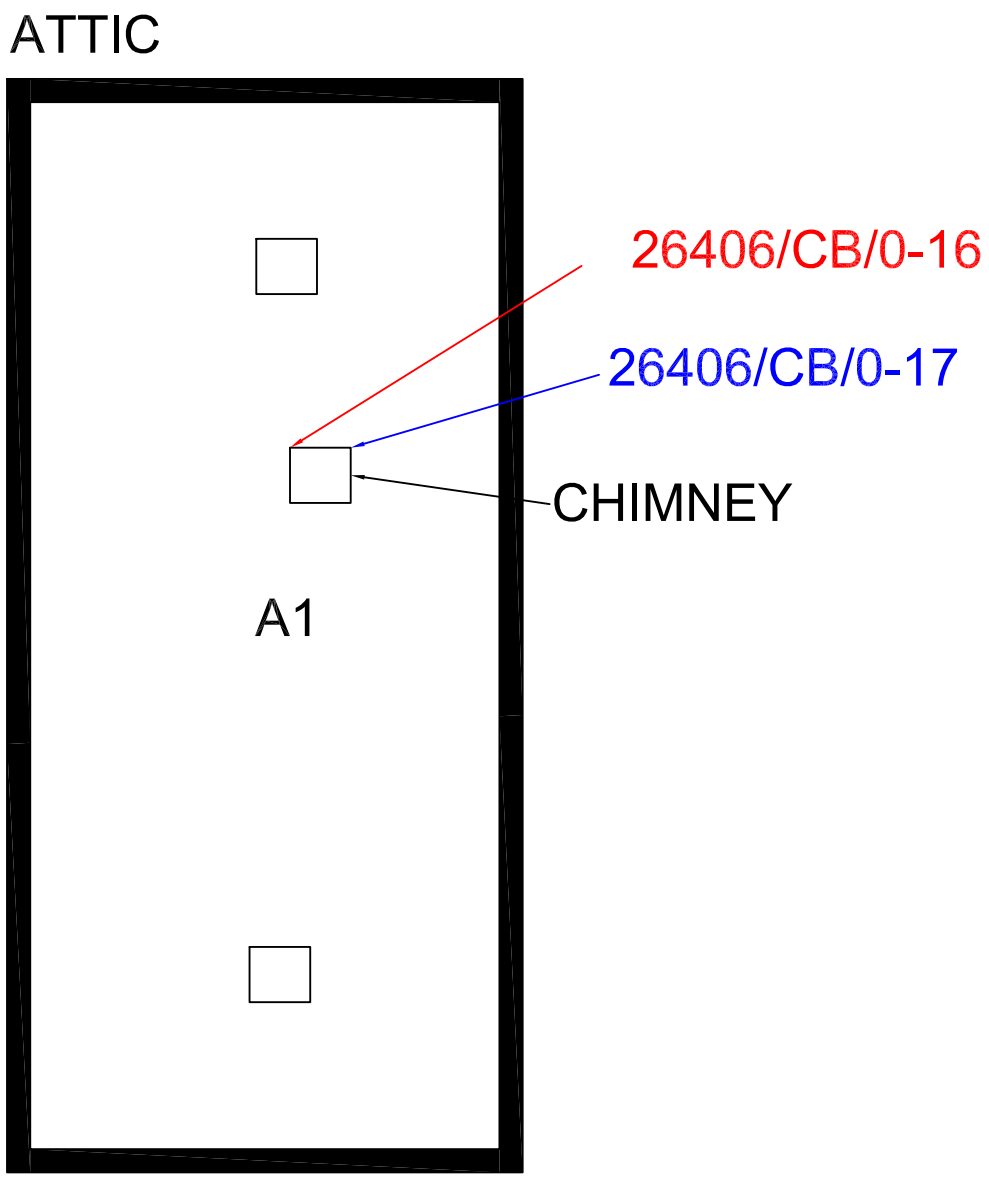
Client Authorisation

The client confirms that this document has been read and understood and agrees to abide by WSP Environmental standard terms and conditions

Signed for and on behalf of WSP		**Signed for and on behalf of client**	
Name	[redacted]	**Name**	[redacted]
Title	Technical Director (D.M). Site Manager (C.R.)	**Title**	Plant + Tech Support Officer
Date	05.12.11	**Date**	[illegible]
Signature	[redacted]	**Signature**	[redacted]

Appendix B Site Plans

(5 No Attachment Pages)



Key

Asbestos Containing Materials

Non Asbestos Containing Materials

Stairs

Stairs down

Stairs Up

Not To Scale

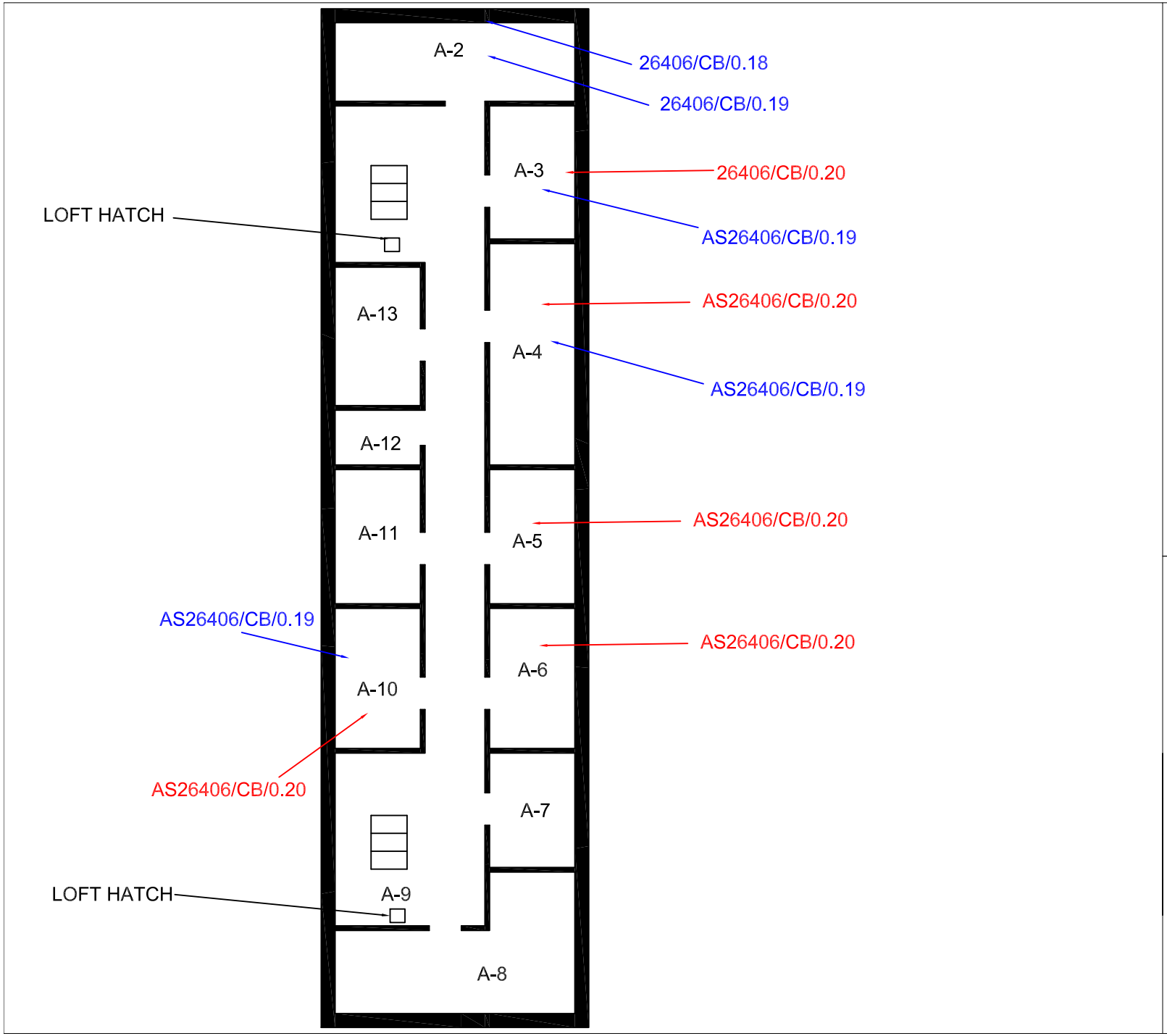
WSP

Risk Management Services

Site: Building 25, Mansergh Barracks

Client: Defence Infrastructure Organisation c/o BLB

Report No: 26406



Key

Asbestos Containing Materials

Non Asbestos Containing Materials

Stairs

Stairs down

Stairs Up

Not To Scale

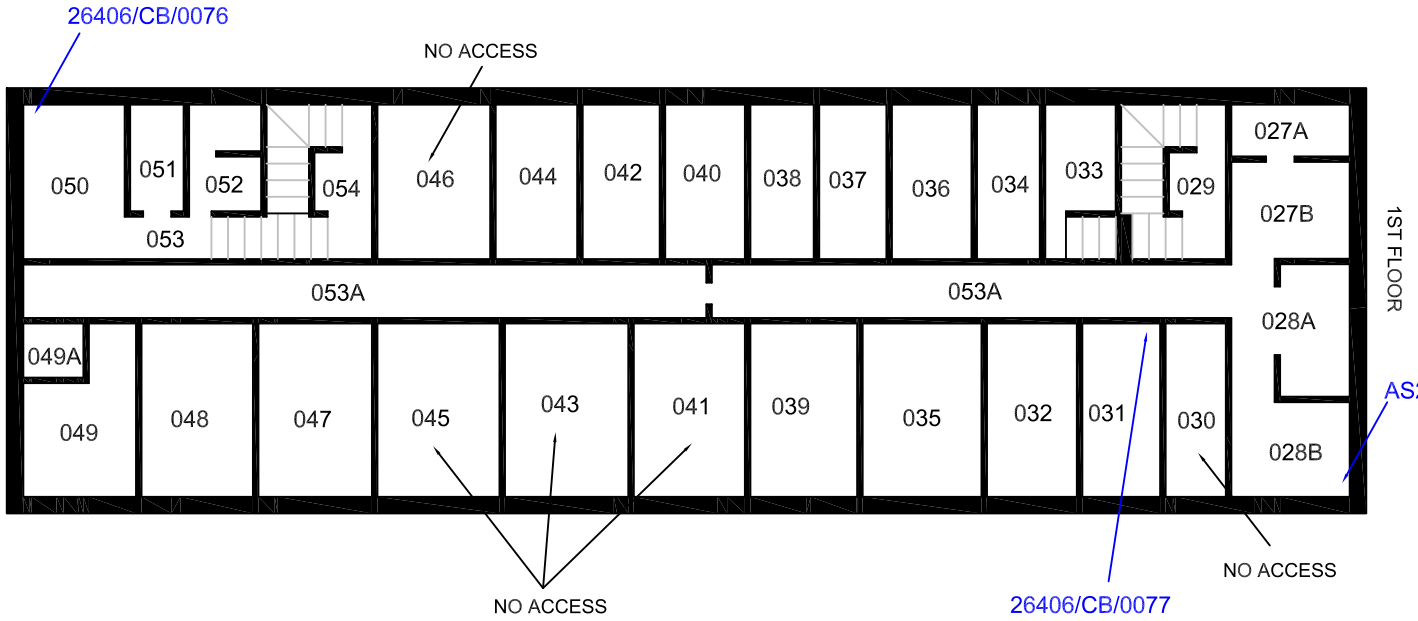
WSP

Risk Management Services

Site: Building 25, Mansergh Barracks

Client: Defence Infrastructure Organisation c/o BLB

Report No: 26406



Key

Asbestos Containing Materials

Non Asbestos Containing Materials

Stairs

Stairs down

Stairs Up

Not To Scale

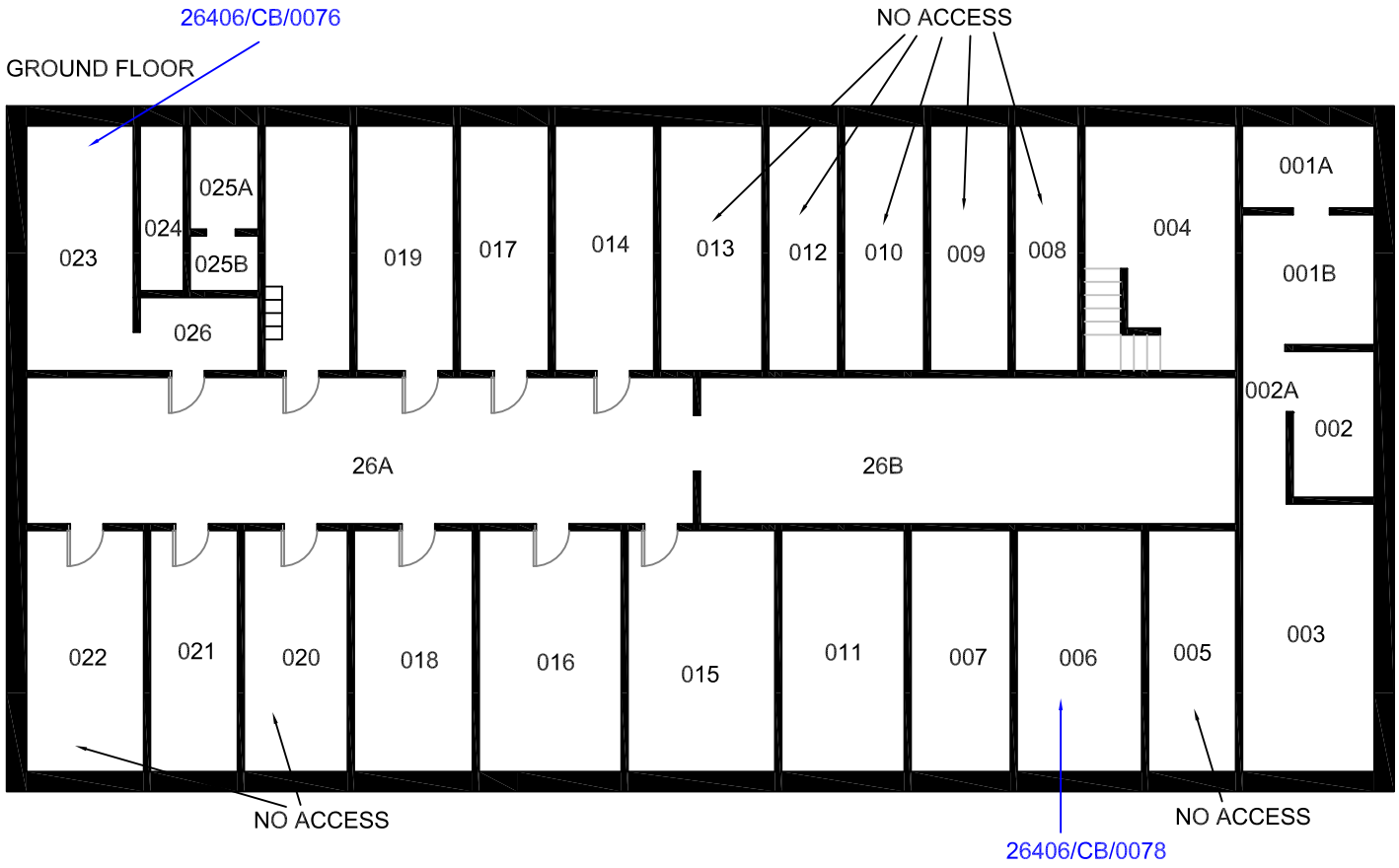
WSP

Risk Management Services

Site: Block 25, Mansergh Barracks

Client: Defence Infrastructure Organisation c/o BLB

Report No: 26406



Key

Asbestos Containing Materials

Non Asbestos Containing Materials

Stairs

Stairs down

Stairs Up

Not To Scale

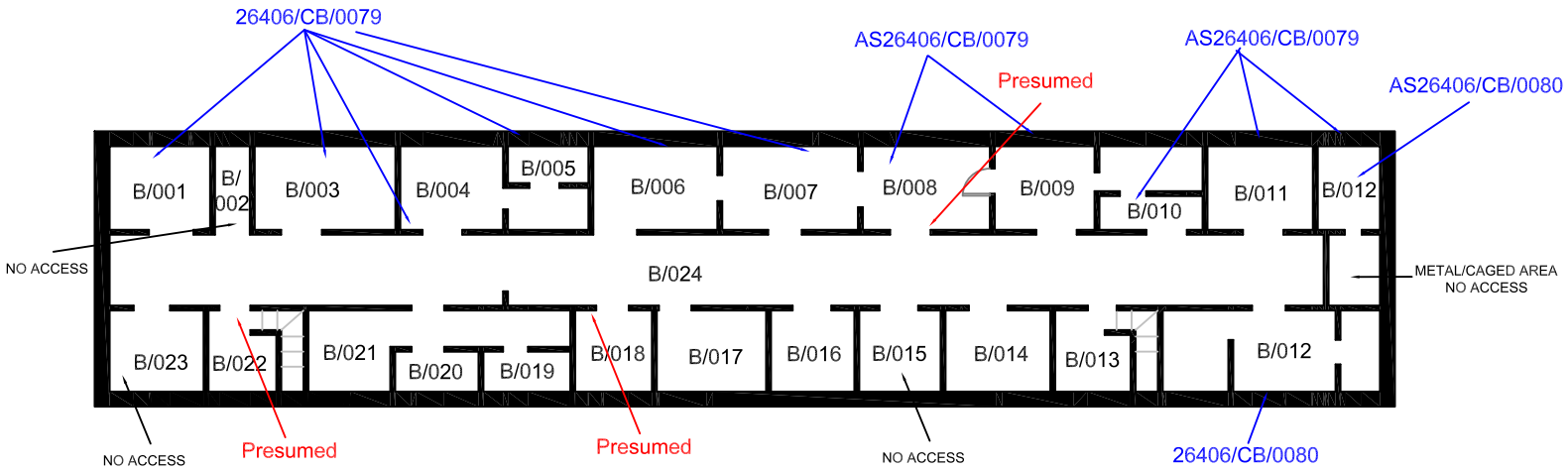
WSP

Risk Management Services

Site: Building 25, Mansergh Barracks

Client: Defence Infrastructure Organisation c/o BLB

Report No: 26406



Key

Asbestos Containing Materials

Non Asbestos Containing Materials

Stairs

Stairs down

Stairs Up

Not To Scale

WSP

Risk Management Services

Site: Building 25, Mansergh Barracks

Client: Defence Infrastructure Organisation c/o BLB

Report No: 26406

Appendix C Certificates of Analysis

(28 No Attachment Pages)

The certificate of laboratory analysis attached contains the results of a number of sites in the Gutersloh asbestos survey project. Please use the unique sample number recorded in the Materials Register for each sample when referring to the laboratory certificate.

SHIELD ON-SITE SERVICES
Keeping the Future in Shape
β

Unit 5, Loomer Road
Newcastle-under-Lyme
Staffordshire
ST5 7LB

Tel: 01782 576590
Fax: 01782 576599
Web: www.shieldon-siteservices.com

Test Report

Project Number: S12-00570
Page 1 of 8
Typist Name: [redacted]

Issue Date: 07 February 2012
Issued By: [redacted]
Authorised Signatory: [redacted]

Fibre Identification

Site Address: 26406
Building 65,
Building 60,
Building 25,
Mansergh Barracks
Gütersloh
Germany

(Submitted Samples)

Client Details: ALcontrol Laboratories
Germany
Herriotstraβe
60528
Frankfurt
Deutschland

For the attention of: [redacted]

Samples of material, referenced within this report, have been examined to determine the presence of asbestos fibres, using Shield On-Site Services (Asbestos) in-house method of transmitted/polarised light microscopy and centre stop dispersion staining, based on HSG 248 (2005). If samples have been delivered, the site address and actual sample location is as given by the client at the time of delivery. Shield On-Site Services (Asbestos) are not responsible for the accuracy or competence of the sampling by third parties. Under these circumstances Shield On-Site Services (Asbestos) cannot be held responsible for the interpretation of the results shown. Samples collected have been sampled using Shield On-Site Services (Asbestos) documented "in-house" method for sampling for which we hold accreditation.

Asbestos Type	Common Name
Amosite	Brown Asbestos
Chrysotile	White Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than:

Trace – Where only one or two asbestos fibres were identified

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG264.

The sampling and identification of asbestos containing materials fall within our schedules of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS Accreditation.

Registered Office: Unit 5 Loomer Road, Newcastle-under-Lyme, Staffordshire ST5 7LB.
Registered in England and Wales No. 7814171. VAT Registration No. 123 0702 67. Bank Account: Lloyds TSB 29808360

UKAS TESTING
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Shield On-Site Services (Asbestos)

Environmental Consultants

UKAS TESTING
0642

Report Number S12-00570
Page 2
Of 8
No. of samples on page 4

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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 06-02-2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
							Samples submitted by the Client
	26406						
	Building 65,						
	Mansergh Barracks						
	Gütersloh Germany						
S12-00570/1	26406/CB/0.01 Textured coating	-	-	-	-	✓	No asbestos detected
S12-00570/2	26406/CB/002 Thermal insulation	-	-	-	-	✓	No asbestos detected
S12-00570/3	26406/CB/003 Cement Roof sheets	✓	-	✓	-	-	Typical of asbestos cement
S12-00570/4	26406/CB/004 Roofing felt	-	-	-	-	✓	No asbestos detected

Shield On-Site Services (Asbestos)

Environmental Consultants

UKAS TESTING
0642

Report Number S12-00570
Page 3
Of 8
No. of samples on page 5

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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 06-02-2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
							Samples submitted by the Client
	26406						
	Building 60,						
	Mansergh Barracks						
	Gütersloh Germany						
S12-00570/5	26406/CB/005 Insulation Board	-	-	-	-	✓	No asbestos detected
S12-00570/6	26406/CB/006 Rope insulation	-	-	-	-	✓	No asbestos detected
S12-00570/7	26406/CB/007 Thermal insulation	-	-	-	-	✓	No asbestos detected
S12-00570/8	26406/CB/008 Composite material	✓	✓	✓	-	-	Unable to identity substrate
S12-00570/9	26406/CB/009 Vinyl flooring	-	-	-	-	✓	No asbestos detected

Shield On-Site Services (Asbestos)

Environmental Consultants

UKAS TESTING
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Report Number S12-00570
Page 4
Of 8
No. of samples on page 6

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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 06-02-2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
S12-00570/10	26406/CB/0.10 Vinyl flooring	-	-	-	-	✓	No asbestos detected
S12-00570/11	26406/CB/0.11 Textured coating	-	-	-	-	✓	No asbestos detected
S12-00570/12	26406/CB/0.12 Textured coating	-	-	-	-	✓	No asbestos detected
S12-00570/13	26406/CB/0.13 Insulating Board	-	-	-	-	✓	No asbestos detected
S12-00570/14	26406/CB/0.14 Insulating Board	-	-	-	-	✓	No asbestos detected
S12-00570/15	26406/CB/0.15 Cement Flue	✓	-	-	-	-	Unable to identify substrate

Shield On-Site Services (Asbestos)

Environmental Consultants

UKAS TESTING
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Report Number S12-00570
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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 06-02-2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
							Samples submitted by the Client
	26406						
	Building 25,						
	Mansergh Barracks						
	Gütersloh Germany						
S12-00570/16	26406/CB/0.16 Gasket	✓	✓	-	-	-	Unable to identify substrate
S12-00570/17	26406/CB/0.17 Dust sample	-	-	-	-	✓	No asbestos detected
S12-00570/18	26406/CB/0.18 Composite material	-	-	-	-	✓	No asbestos detected
S12-00570/19	26406/CB/0.19 Vinyl flooring	-	-	-	-	✓	No asbestos detected
S12-00570/20	26406/CB/0.20 Roof Tile	✓	-	-	-	-	Typical of asbestos cement

Shield On-Site Services (Asbestos)

Environmental Consultants

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Report Number S12-00570
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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 06-02-2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
							Samples submitted by the Client
	26406						
	Hereford,						
	Mansergh Barracks						
	Gütersloh Germany						
S12-00570/21	26406/CB/0.21 Bitumen Expansion Joint	-	-	-	-	✓	No asbestos detected
S12-00570/22	26406/CB/0.22 Paper Gasket	✓	-	-	-	-	Unable to identify substrate
S12-00570/23	26406/CB/0.23 Thermal Lagging	-	-	-	-	✓	No asbestos detected
S12-00570/24	26406/CB/0.24 Textured Coating	-	-	-	-	✓	No asbestos detected
S12-00570/25	26406/CB/0.25 Bitumen	-	-	-	-	✓	No asbestos detected

Shield On-Site Services (Asbestos)

Environmental Consultants

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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 06-02-2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
S12-00570/26	26406/CB/026 Paper Gasket	✓	-	-	-	-	Unable to identify substrate
S12-00570/27	26406/CB/027 Thermal Lagging	-	-	-	-	✓	No asbestos detected
S12-00570/28	26406/CB/028 Bitumen expansion Joint	-	-	-	-	✓	No asbestos detected
S12-00570/29	26406/CB/029 Textured coating	-	-	-	-	✓	No asbestos detected
S12-00570/30	26406/CB/030 Thermal Lagging	-	-	-	-	✓	No asbestos detected

Shield On-Site Services (Asbestos)

Environmental Consultants

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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 06-02-2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
							Samples submitted by the Client

ASBESTOS COATINGS, ASBESTOS INSULATION & ASBESTOS INSULATING BOARD

a) Work with this material is subject to the Control of Asbestos Regulations 2006 and subsequent amendments.

b) Guidance can be obtained within the H.S.C. Approved code of practice - Work with materials containing asbestos insulation, asbestos coating and asbestos insulating board, current edition.

c) Work must only be undertaken by a licensed asbestos removal contractor.

d) 14 days prior notification of work with this material must be given to the enforcing authority.

e) Air monitoring during removal and clearance certification upon completion should be undertaken using a UKAS accredited laboratory.

f) This material is classified as a 'hazardous waste' and requires pre-notification of movement to the Environment Agency and disposed of in accordance with the Hazardous Waste Regulations 2005.

ASBESTOS CEMENT/ASBESTOS TEXTURED COATINGS/OTHER ASBESTOS MATERIALS

a) Work with these materials is subject to the Control of Asbestos Regulations 2006 and subsequent amendments.

b) Guidance can be obtained within the HSE publication HSG 189/2, 1999 – Working with asbestos cement, HSE publication HSG 213 Asbestos Essentials and ACOP L143, Reg 3.

c) It is assumed that these materials are classified as a 'hazardous waste' for the purposes of disposal.

SHIELD ON-SITE SERVICES
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Unit 5, Loomer Road
Newcastle-under-Lyme
Staffordshire
ST5 7LB

Tel: 01782 576590
Fax: 01782 576599
Web: www.shieldon-siteservices.com

Test Report

Project Number: S12-01314
Page 1 of 2
Typist Name: [redacted]

Issue Date: 20 March 2012
Issued By: [redacted]
Authorised Signatory: [redacted]

Fibre Identification

Site Address: Mansergh Barracks
Building 25
Gutersloh
Germany

Client Details: ALcontrol Laboratories
Germany
Herriotstraße
60528
Frankfurt
Deutschland

(Submitted Samples) For the attention of: Luca Fagiouli

Samples of material, referenced within this report, have been examined to determine the presence of asbestos fibres, using Shield On-Site Services (Asbestos) in-house method of transmitted/polarised light microscopy and centre stop dispersion staining, based on HSG 248 (2005). If samples have been delivered, the site address and actual sample location is as given by the client at the time of delivery. Shield On-Site Services (Asbestos) are not responsible for the accuracy or competence of the sampling by third parties. Under these circumstances Shield On-Site Services (Asbestos) cannot be held responsible for the interpretation of the results shown. Samples collected have been sampled using Shield On-Site Services (Asbestos) documented "in-house" method for sampling for which we hold accreditation.

Asbestos Type	Common Name
Amosite	Brown Asbestos
Chrysotile	White Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than:
Trace – Where only one or two asbestos fibres were identified
Further guidance on typical asbestos fibre content of manufactured products can be found in HSG264.

The sampling and identification of asbestos containing materials fall within our schedules of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS Accreditation.

Registered Office: Unit 5 Loomer Road, Newcastle-under-Lyme, Staffordshire ST5 7LB
Registered in England and Wales No 7814171 VAT Registration No 123 0702 67 Bank Account Lloyds TSB 29808360

UKAS TESTING
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Shield On-Site Services (Asbestos)

Environmental Consultants

UKAS TESTING
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Report Number S12-01314
Page 2
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No. of samples on page 5

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TEST REPORT

Fibre Analysis

ALcontrol Laboratories Germany

Sampling by
Date
Analysis by [redacted]
Date 10/02/2012
Laboratory L0

Sample Number	Location of Sample	White Asbestos (Chrysotile)	Brown Asbestos (Amosite)	Blue Asbestos (Crocidolite)	Other Asbestos Specify: (Anthophyllite) (Tremolite) (Actinolite)	Other Non-Asbestos Fibre	Comments
							Samples submitted by the Client
	Mansergh Barracks						
	Building 25						
	Gutersloh						
	Germany						
S12-01314/1	26406/CB/0076	-	-	-	-	✓	No asbestos detected
S12-01314/2	26406/CB/0077	-	-	-	-	✓	No asbestos detected
S12-01314/3	26406/CB/0078	-	-	-	-	✓	No asbestos detected
S12-01314/4	26406/CB/0079	-	-	-	-	✓	No asbestos detected
S12-01314/5	26406/CB/0080	-	-	-	-	✓	No asbestos detected

Issue 10 Nov 2011

ALcontrol Laboratories
Reportnumber
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