



Project Number 2481

**Management
Asbestos Survey Report**

Bude Platoon, Cornwall, EX23 8QN



Working in Partnership with Shield Environmental Services



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Section 1: Contact Details

Client Details:		Instructing Party:	
Wessex RFCA Mount House Mount Street Taunton TA1 3QE		Shield Environmental Shield House Caxton Business Park Crown Way Bristol BS30 8XJ	
Contact Name:	Sue Morrell	Contact Name:	Chloe Smith
Tel: 01823250115	Fax: N/A	Tel: 01173012650	Fax: N/A

Site Address:		Report Author:	
Bude Platoon Cornwall EX23 8QN		Armour Analytical Services Admirals Yard Station Road Bristol BS34 6LR	
Contact Name:	Gary White	Contact Name:	Emma Humphreys
Tel: 07787558356	Fax: N/A	Mobile: 07468535836	

Lead Surveyor's Name:	Lead Surveyor's Authorising Signature:
D. Kelly	

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Section 2: Executive Summary

Sample Number	Sample Type	Location	Analysis
DK/1	Textured Coating to Ceiling	Female WC	Chrysotile
DK/2	Floor Tiles and Adhesive	Female WC	Chrysotile
DK/3	Textured Coating to Ceiling	Entrance Lobby and Corridor	Chrysotile
DK/4	Textured Coating to Ceilings	Stores x 2 and Office	Chrysotile
DK/5	Textured Coating to Ceiling	Men's WC and Lobby	Chrysotile
DK/6	Insulation Board Ceiling	Range	Chrysotile/Amosite
DK/7	Cement Wall Cladding	Shed	N.A.D.I.S
DK/8	Profiled Cement Roof	Shed	N.A.D.I.S

N.A.D.I.S – No Asbestos Detected in Sample

A.D – Asbestos Detected

In addition to the above sampled items, the following items have been either been "Strongly Presumed" To Contain Asbestos or "Presumed" to Contain Asbestos as they were either visually identified in being so, labelled after previously being sampled on prior surveys or not accessible at the time of the survey:

Item 6 – Ground Floor – Office – No access within Safe Casings

Item 16 – Ground Floor – Range – Bitumen Wrap to disconnected main cable – Unable to sample as live

The presence of asbestos in these areas cannot be ascertained at this time. If any works are to be carried out in these areas in the future, then these works should be approached cautiously.

In accordance with current legislation, any suspect materials encountered in these areas are to be assumed to contain asbestos until proven otherwise. This will normally involve cessation of works in the affected area.

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Section 3: Site Description & Survey Information

Brief description on the general building construction

Brick and block construction with a flat felt roof and pebbledash wall cladding.

Caveat for no access areas

No access above plasterboard ceilings.

EXTERNAL MATERIALS

Roof Type	Flat
Roof Materials	Felt
Soffits	Timber
Fascia	UPVC, Timber
Walls	Brick, Pebbledash
Verge Under cloaking	N/A
Guttering	Plastic
Downpipes	Plastic
Window/Door frames	UPVC
Other Materials	N/A

INTERNAL MATERIALS

Loft Insulation	Fiberglass
Roof Underlining	N/A
Ceilings	Plasterboard, Asbestos Insulation Board
Walls <i>Internal</i>	Plasterboard, Brick
Floors	Tiles, Lino, Screed
Doors/Frames	Timber
Pipework/Insulation	Copper
Boxings	Timber, Plasterboard
Boiler Make	Modern
Flue Pipes	Metal
Storage Heaters	N/A
Electrical Boxes/Machinery	Modern
Ducting/Risers	N/A
Stairs	N/A
Lift Shafts	N/A
Other Materials	N/A

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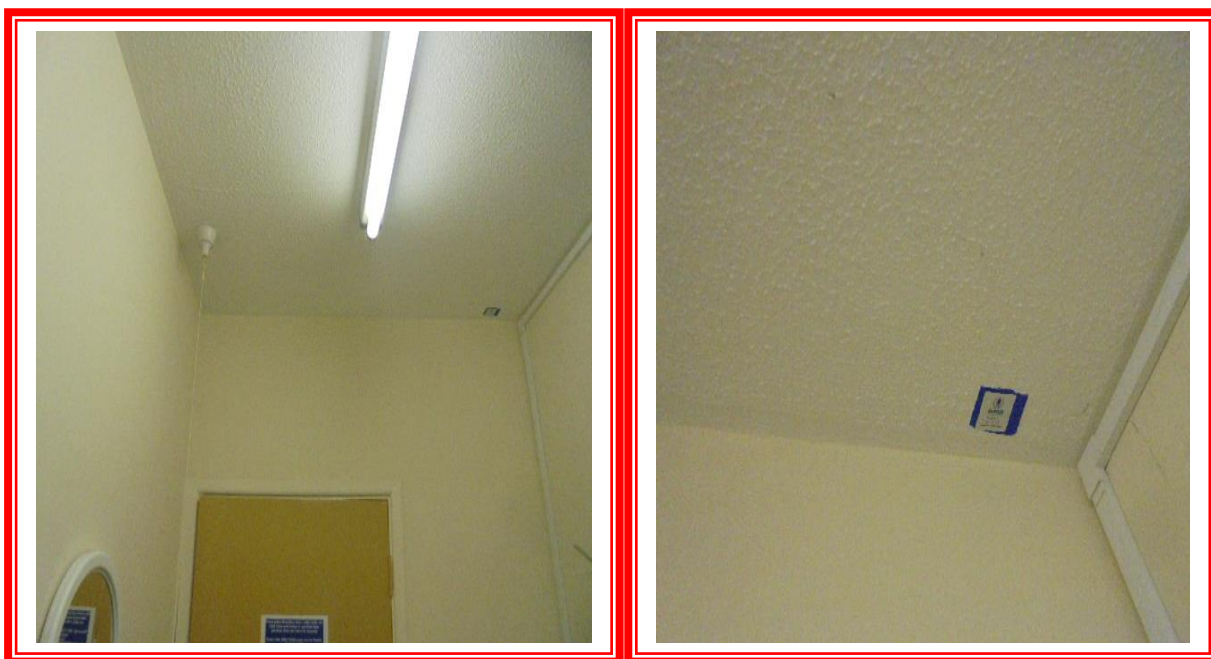


Section 4: Positive and Presumed Photos Sheets

Item No: 1

Sample No: DK/1

Location: Ground Floor – Female WC



Material Description:	Textured Coating to Ceiling	
Identification:	Sampled – Asbestos Detected	
Approx. quantity:	4M2	
Accessibility	Low	Assessment Score
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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Item No: 2

Sample No: DK/2

Location: Ground Floor – Female WC



Material Description:	Floor Tiles and Adhesive	
Identification:	Sampled – Asbestos Detected	
Approx. quantity:	4M2	
Accessibility	High	Assessment Score
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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Item No: 3

Sample No: N/A

Location: Ground Floor – Office



Material Description:	Textured Coating to Ceiling	
Identification:	As Per Sample DK/1 – Asbestos Detected	
Approx. quantity:	4M2	
Accessibility	Low	Assessment Score
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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Item No: 4

Sample No: DK/3

Location: Ground Floor – Entrance Lobby and Corridor



Material Description:	Swirl Effect Textured Coating to Ceiling	
Identification:	Sampled – Asbestos Detected	
Approx. quantity:	14M2	
Accessibility	Low	Assessment Score
Product type:	Composite	1
Extent of Damage:	Moderate	2
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		4
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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**Item No: 5****Sample No: DK/4****Location: Ground Floor – Office and Stores x 2**

Material Description:	Textured Coating to Ceiling	
Identification:	Sampled – Asbestos Detected	
Approx. quantity:	30M2	
Accessibility	Low	Assessment Score
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	Located in each room	

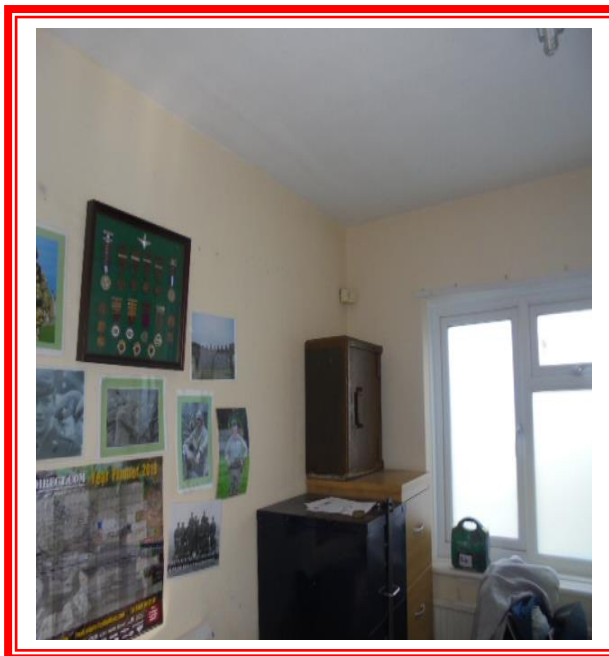
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Item No: 6

Sample No: N/A

Location: Ground Floor – Office



Material Description:	No Access within Safe Casings	
Identification:	Presumed to Contain Asbestos	
Approx. quantity:	X 1 Safe	
Accessibility	Low	Assessment Score
Product type:	No Access	2
Extent of Damage:	No Access	2
Surface Treatment:	No Access	2
Asbestos type:	No Access	2
Material Assessment Score:		8
Priority Assessment Score:		Medium
Action:	Manage	
Comments:	No access without damaging safe	

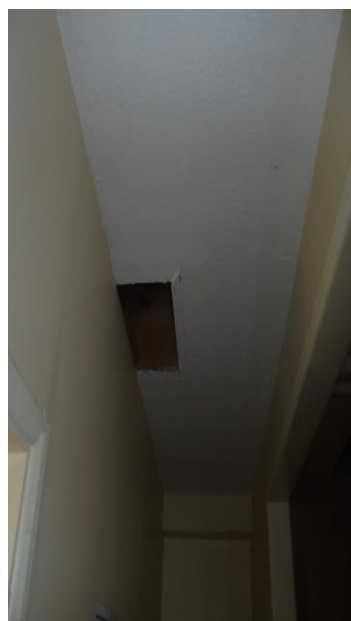
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Item No: 7

Sample No: N/A

Location: Ground Floor – Lecture Room 2, Circulation and Store



Material Description:	Textured Coating to Ceiling	
Identification:	As Per Sampled DK/1 and DK/4 – Asbestos Detected	
Approx. quantity:	24M2	
Accessibility	Low	<i>Assessment Score</i>
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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Item No: 8

Sample No: N/A

Location: Ground Floor – Store



Material Description:	Textured Coating to Ceiling	
Identification:	As Per Sampled DK/3 – Asbestos Detected	
Approx. quantity:	1M2	
Accessibility	Low	<i>Assessment Score</i>
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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**Item No: 9****Sample No: DK/5****Location: Ground Floor – Lobby and WC**

Material Description:	Textured Coating to Ceiling	
Identification:	Sampled – Asbestos Detected	
Approx. quantity:	16M2	
Accessibility	Low	Assessment Score
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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Item No: 10

Sample No: N/A

Location: Ground Floor – Men's WC



Material Description:	Floor Tiles and Adhesive	
Identification:	As Per Sample DK/2 – Asbestos Detected	
Approx. quantity:	7M2	
Accessibility	High	Assessment Score
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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Item No: 11

Sample No: N/A

Location: Ground Floor – Men's WC Lobby



Material Description:	Swirl Effect Textured Coating to Ceiling	
Identification:	As Per Sample DK/3 – Asbestos Detected	
Approx. quantity:	2M2	
Accessibility	Low	Assessment Score
Product type:	Composite	1
Extent of Damage:	Moderate	2
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		4
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

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Item No: 12

Sample No: N/A

Location: Ground Floor – Lecture Room 1, Office and Kitchen



Material Description:	Textured Coating to Ceiling	
Identification:	As Per Samples DK/1, DK/4 and DK/5 – Asbestos Detected	
Approx. quantity:	47M2	
Accessibility	Low	<i>Assessment Score</i>
Product type:	Composite	1
Extent of Damage:	Moderate	2
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		4
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	Modern sink pad in kitchen	

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Item No: 13

Sample No: N/A

Location: Ground Floor - Lobby



Material Description:	Textured Coating to Ceiling	
Identification:	As Per Samples DK/1, DK/4 and DK/5 – Asbestos Detected	
Approx. quantity:	5M2	
Accessibility	Low	Assessment Score
Product type:	Composite	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	No access above plasterboard ceiling – apply caution	

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**Item No: 15****Sample No: DK/6****Location: Ground Floor – Range**

Material Description:	Insulation Board Ceiling	
Identification:	Sampled – Asbestos Detected	
Approx. quantity:	8M2	
Accessibility	Low	Assessment Score
Product type:	Asbestos Insulation Board	2
Extent of Damage:	Moderate	2
Surface Treatment:	Unsealed	2
Asbestos type:	Amosite	2
Material Assessment Score:		8
Priority Assessment Score:		Medium
Action:	Encapsulate/Restrict Access/Environmental Clean	
Comments:	Located above plasterboard. May also be found above plasterboard throughout range – Apply Caution. Possible debris on floor due to bullet impact	

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Item No: 16

Sample No: N/A

Location: Ground Floor – Range



Material Description:	Bitumen wrap to disconnected mains cable	
Identification:	Presumed to Contain asbestos	
Approx. quantity:	1LM	
Accessibility	Low	<i>Assessment Score</i>
Product type:	Bitumen	1
Extent of Damage:	Minor	1
Surface Treatment:	Non-Friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		3
Priority Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

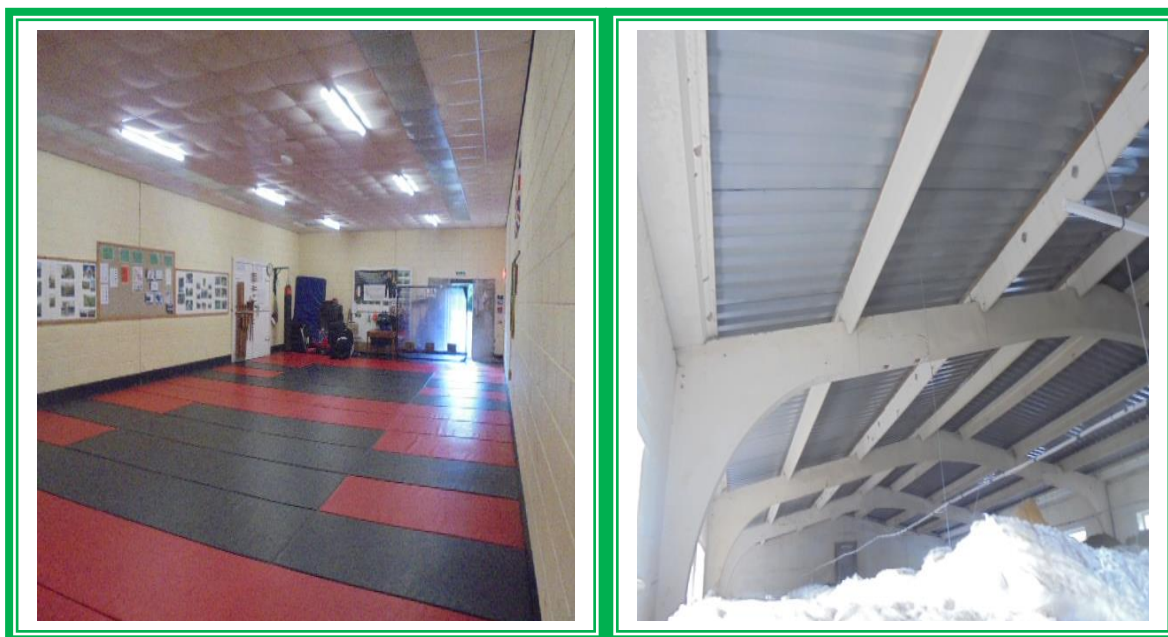
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**Item No: 17****Sample No: N/A****Location: Ground Floor – Boiler Room**

Material Description:	Insulation Board Ceiling	
Identification:	As Per DK/6 – Asbestos Detected	
Approx. quantity:	4M2	
Accessibility	Low	Assessment Score
Product type:	Asbestos Insulation Board	2
Extent of Damage:	Moderate	2
Surface Treatment:	Sealed	1
Asbestos type:	Amosite	2
Material Assessment Score:		7
Priority Assessment Score:		Medium
Action:	Manage	
Comments:	Visible above plasterboard ceiling. No access to sample but is visually similar to sample DK/6	

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Section 5: Negative Photos Sheets

Item No: 14
Sample No: N/A
Location: Ground Floor – Parade Hall


Material Description:	Visual Inspection – No Suspect Materials Found	
Identification:	N/A	
Approx. quantity:	N/A	
Accessibility	N/A	<i>Assessment Score</i>
Product type:	N/A	N/A
Extent of Damage:	N/A	N/A
Surface Treatment:	N/A	N/A
Asbestos type:	N/A	N/A
Material Assessment Score:		N/A
Priority Assessment Score:		N/A
Action:	N/A	
Comments:	N/A	

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Item No: 18

Sample No: DK/7

Location: External – Shed



Material Description:	Cement Wall Cladding	
Identification:	Sampled – No Asbestos Detected	
Approx. quantity:	9M2	
Accessibility	N/A	<i>Assessment Score</i>
Product type:	N/A	N/A
Extent of Damage:	N/A	N/A
Surface Treatment:	N/A	N/A
Asbestos type:	N/A	N/A
Material Assessment Score:		N/A
Priority Assessment Score:		N/A
Action:	N/A	
Comments:	N/A	

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Item No: 19

Sample No: DK/8

Location: External – Shed



Material Description:	Profiled Cement Roof	
Identification:	Sampled – No Asbestos Detected	
Approx. quantity:	9M2	
Accessibility	N/A	<i>Assessment Score</i>
Product type:	N/A	N/A
Extent of Damage:	N/A	N/A
Surface Treatment:	N/A	N/A
Asbestos type:	N/A	N/A
Material Assessment Score:		N/A
Priority Assessment Score:		N/A
Action:	N/A	
Comments:	N/A	

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Section 6: Survey Objectives

Instructions were received from Sue Morrell of Wessex RFCA to carry out a Management asbestos survey at Bude Platoon, Cornwall, EX23 8QN in accordance with HSG264 and Armour Analytical's quality procedures.

The survey was carried out on 4th September 2019 by David Kelly with the objective of facilitating a Management report.

This Management survey is characterised as a 'Visual Inspection Sampling and Identification Survey' in HSG264. This type of survey is used to locate and describe, so far as is reasonably practicable, all asbestos containing materials (ACMs) in the building and will by its nature involve the partial destruction of the building's fabric as access is gained to all areas. A full sampling programme is undertaken to identify possible ACMs and estimate the extent of ACMs reported.

The objective of this survey report is to identify, so far as is reasonably practicable, the location, extent, product type and composition of ACMS within the building to enable the building occupants to put management and remedial procedures in place.

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Section 7: Survey Techniques

Each floor, room and area within the scope was systematically inspected for suspect materials thought or known to contain asbestos and where such materials were encountered their location, extent, and composition were recorded.

Where materials of a similar nature exist, to those previously sampled, and a reasoned argument can be made that their composition is likely to be identical further physical sampling was not undertaken.

Photographs were taken of all sample locations, unless otherwise stated.

The analysis of suspect ACMs was undertaken by a UKAS accredited laboratory using the analytical method detailed in *HSG248, Appendix 2 -Asbestos: The analysts' guide for sampling, analysis and clearance procedures*.

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Section 8: Survey Caveat

This report is based upon a management report inspection of an unfamiliar site. During the course of the survey all reasonable efforts were made to identify the physical presence of materials containing asbestos within the building.

A Management Survey is a non-intrusive survey, meaning that access within the fabric of the building is limited. The survey does not include access to the following areas (unless agreed beforehand with the Client and provisions are put in place):

- Within wall or ceiling construction;
- Under fixed flooring;
- Within non-openable boxings;
- Within live electrics, boilers or machinery;
- Where access/visibility is limited in an area due to stored items, furniture or services;
- Areas where there is no safe access to inspect such as floor ducts, lift shafts and loft spaces with no crawlboards;
- High level areas that are too high to safely inspect.
- Within pipework insulation throughout building as this would affect the integrity of services.

Any intrusive works carried out within the building must first be subject to a Refurbishment Asbestos Survey.

This report will be restricted to the areas that fall within the scope of works for project and will not take into account any area's that do not fall within the scope. Any asbestos that is identified within this report will need to be added to the buildings existing information and should not form the basis for a management survey. This survey will not include priority assessments nor will it include a register.

This survey considered the construction of the building, associated fixtures & fittings and associated structures and in no way should it be considered as a ground investigation report.

Services should be disconnected prior to commencement of a Management survey; however, where plant and/or electrical installations are live or appear to be live then these will not be accessed.

This survey report is not a bill of quantities.

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Section 9: Survey Notes

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.

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 drawings 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 or criteria.

Samples taken from floor tiles (or similar material) may include a bitumen adhesive as part of the sample. It is known that some proprietary brands of bitumen have an asbestos content and this will be included as an integral part of the bulk sample unless otherwise stated.

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Section 10: Material Assessment Algorithm

Variable	Score	Examples
Installation / Product type	1	Vinyl, 'Bakelite', Cement
	2	Asbestos insulating board, paper, rope
	3	Pipe insulation, spray coating, friable debris
Condition / damage	0	Good
	1	Slight / minor damage
	2	Moderate damage – breakage to surface treatment
	3	Major damage – smashed or exposed material
Surface treatment	0	Non-friable e.g. vinyl
	1	Enclosed insulation, encapsulated AIB
	2	Unsealed AIB, encapsulated insulation
	3	Unsealed insulation or spray coating
Asbestos type	1	Chrysotile
	2	Amosite & other amphiboles
	3	Crocidolite

The scores from each of the four sections are added together to produce a risk score:

Risk score	Risk assessment
10 or more	High risk
7 – 9	Medium risk
5 – 6	Low risk
4 & below	Negligible risk

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Section 11: Certificates of Bulk Analysis



Our Ref: J174934 FI: 8
Your Ref: 2481
Date: 10/09/2019

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS



Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
office@envirochem.co.uk

Asbestos Fibre Identification Report

Client: Armour Analytical Services Ltd
Admirals Yard, Station Road, Patchway, Bristol, BS34 6LR

Site Address: Bude Platoon, Cornwall, EX23 8QN

Sampled By: Armour Analytical Services Ltd

Date sampled/received: 9th September 2019

Date analysed: 9th September 2019

Analyst/s: Bradley Travis

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
DK/1	BS573274	Female WC - Textured coating to ceiling	Yes	Chrysotile
DK/2	BS573275	Female WC - Floor tiles and adhesive	Yes	Chrysotile
DK/3	BS573276	Entrance Lobby and Corridor - Textured coating to ceiling	Yes	Chrysotile
DK/4	BS573277	Stores x 2 and Office - Textured coating to ceilings	Yes	Chrysotile

NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE:

Authorised signatory

PRINT NAME: Frances Scott

Reg. No. 2378228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.

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ARMOUR
ANALYTICAL SERVICES



Our Ref: J174934 FI: 8
Your Ref: 2481
Date: 10/09/2019

ENVIROCHEM

Analytical Laboratories Ltd.

12 The Gardens
Broadcut, Fareham

Hampshire
PO16 8SS



Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
office@envirochem.co.uk

Asbestos Fibre Identification Report

Client: Armour Analytical Services Ltd
Admirals Yard, Station Road, Patchway, Bristol, BS34 6LR

Site Address: Bude Platoon, Cornwall, EX23 8QN

Sampled By: Armour Analytical Services Ltd

Date sampled/received: 9th September 2019

Date analysed: 9th September 2019

Analyst/s: Bradley Travis

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
DK/1	BS573274	Female WC - Textured coating to ceiling	Yes	Chrysotile
DK/2	BS573275	Female WC - Floor tiles and adhesive	Yes	Chrysotile
DK/3	BS573276	Entrance Lobby and Corridor - Textured coating to ceiling	Yes	Chrysotile
DK/4	BS573277	Stores x 2 and Office - Textured coating to ceilings	Yes	Chrysotile

NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE:

Authorised signatory

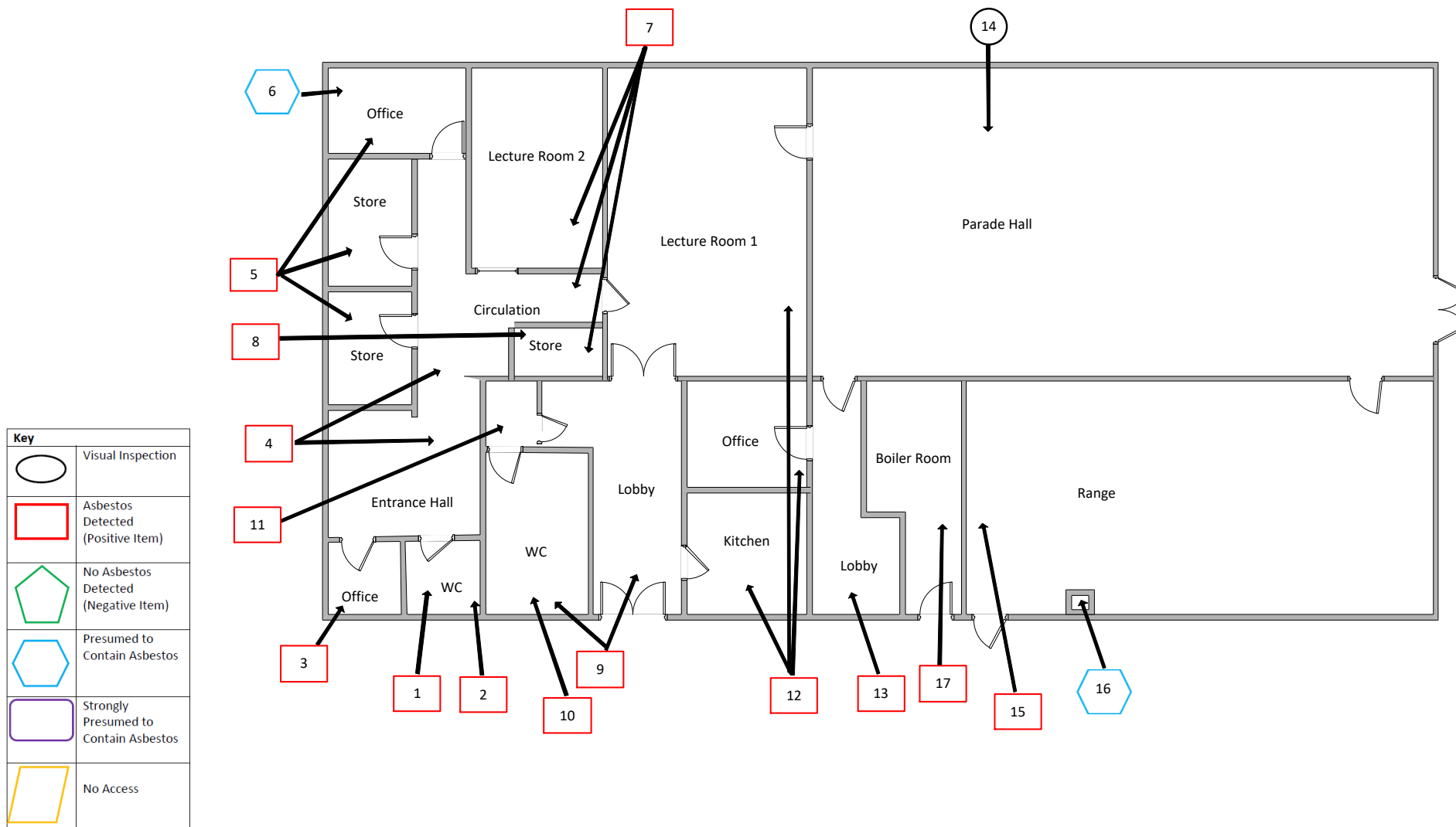
PRINT NAME: Frances Scott

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Section 12: Site Plan



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I the surveyor can confirm that this report is accurate to my findings onsite and this survey has been Content checked by myself.

Checked by: David Kelly

Date: 18/10/2019

I the Admin Manager can confirm that this report is accurate to the paperwork received and this survey has been quality checked by myself.

Checked by: Emma Humphreys

Date: 17.10.2019

Report Compiled By

Armour Analytical Services Ltd, Admirals Yard, Station Road, Bristol, BS34 6LR

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