



Our Ref: J102209 FI: 40  
Your Ref: /  
Date: 16/06/2016

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



Tel: (01329) 287777  
Fax: (01329) 287755  
[www.envirochem.co.uk](http://www.envirochem.co.uk)  
xxxxxx@xxxxxxxxxx.xx.

## **DEMOLITION ASBESTOS SURVEY**

**OF**

**BUILDING 14,  
HMS DAEDALUS,  
BROOM WAY,  
LEE-ON-SOLENT  
PO13 9YA**

**ON BEHALF OF**

**HOMES & COMMUNITIES AGENCY (BRISTOL)**

**PRE-APPROVAL**

## DISCLAIMER

Envirochem completed this survey on the basis of a specified program of work and terms and conditions agreed with the Client. All reasonable skill and care, bearing in mind the project objectives and the agreed scope of work, have been exercised during the preparation of this survey report.

Following the issue of this survey report, responsibility to any parties for any matters arising, which may be considered outside of the agreed scope of work, will not be accepted by Envirochem.

This survey report is confidential. Envirochem will accept liability to no parties with the exception of the Client. Without the written agreement of Envirochem, no one with the exception of the Client, may rely upon or have the benefit of this survey report.

Envirochem asserts and retains all copyright, and other intellectual property rights, in and over the survey report and its contents unless these rights were specifically assigned or transferred within the terms of the agreement.

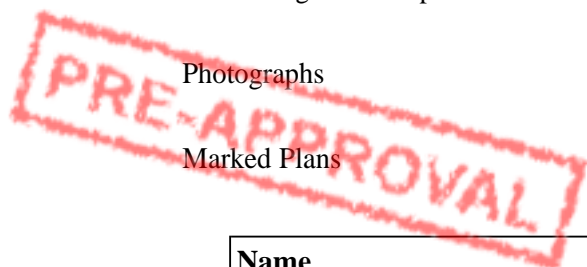
Any questions or matters arising from this survey report should be addressed to Envirochem.

PRE-APPROVAL

## CONTENTS

SECTION	Title	
	Title Page	Page 1
	Disclaimer	Page 2
	Contents	Page 3
1	Executive Summary	Page 4
2	Introduction	Page 7
3	Initial Observations	Page 8
4	Areas of No Access	Page 9
5	Method Statement	Page 10
6	Asbestos Removal and Disposal	Page 11

APPENDIX	Title	
1	Asbestos Fibre Identification Report	Page 12
2	List Of Asbestos Containing Materials	Page 22
3	List of Negative Samples	Page 25
4	Photographs	Page 27
5	Marked Plans	Page 32



	Name	Signed	Dated
Report Authorised By	[APPROVALNAME] ([APPROVALPOSITION])	[APPROVALSIGNATURE]	[DATEAPPROVED]

## SECTION 1 - Executive Summary

This report is based on the findings of a demolition asbestos survey (as defined by Health and Safety Executive (HSE) Guidance Note HSG264: Asbestos: The Survey Guide) carried out by Envirochem at Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA. The purpose of the survey was to determine the location, extent and product type of all reasonably accessible asbestos containing materials (ACM's) within the building.

### *Scope of work*

Demolition survey to Building 14

### *Asbestos identified*

SAMPLE NUMBER	SAMPLE DESCRIPTION	PRODUCT TYPE
Sample 2	Building 14. First Floor. 1.01 Room 1, Textured coating to ceiling	Artex
Ref. Sample 2	Building 14. First Floor. 1.02 Room 2, Textured coating to ceiling	Artex
Ref. Sample 2	Building 14. First Floor. 1.03 Toilet, Textured coating to ceiling	Artex
Sample 8	Building 14. First Floor. 1.04 Room 3, Textured coating to ceiling	Artex
Ref. Sample 8	Building 14. First Floor. 1.05 Landing and staircase to ground floor, Textured coating to ceiling	Artex
Sample 15	Building 14. Ground Floor. G.02 Room 1, Textured coating to ceiling and associated debris to floor	Artex
Ref. Sample 15	Building 14. Ground Floor. G.05 Room 2, Textured coating to ceiling and associated debris to floor	Artex
Sample 20	Building 14. Ground Floor. G.10 Kitchen 2, Dampener and drainer pads beneath sink and drainer	Bitumen
Sample 22	Building 14. Ground Floor. G.11 Room 6, Textured coating to walls and associated debris to floor	Artex
Ref. Sample 22	Building 14. Ground Floor. G.12 Room 7, Textured coating to walls and associated debris to floor	Artex
Sample 23	Building 14. Ground Floor. G.11 Room 6, Textured coating to ceiling and associated debris to floor	Artex
Ref. Sample 23	Building 14. Ground Floor. G.12 Room 7, Textured coating to ceiling and associated debris to floor	Artex
Sample 30	Building 14. External. E.02 Boiler House, Insulation to metal pipe section to joint (larger diameter pipe exiting left hand side brick wall and joining pipe to boiler)	Asbestos Insulation/Coating
Sample 31	Building 14. External. E.02 Boiler House, Cement flue pipe section within left hand side brick wall (penetrating through wall). Presume flue pipe continues up into brick chimney (limited access in chimney due to structural hazard)	Cement
Sample 33	Building 14. External. E.02 Boiler House, Woven rope gasket seal around flue attachment to boiler beneath cement jointing	Woven
Sample 34	Building 14. External. E.02 Boiler House, Paper insulation lining to metal walls and top within boiler	Asbestos Insulation/Coating

Sample 35	Building 14. External. E.02 Boiler House, Dust and debris to concrete plinth floor beneath boiler (it must be presumed to be as throughout boiler house. Floor cannot be accessed as submerged beneath water.)	Dust
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### *Areas of no access*

The following areas were not accessed at the time of the survey:

AREA	REASON FOR NON-ACCESS
There were no areas of no access in the survey.	

Until the above locations are accessed, as stated within HSE Guidance Note HSG 264, it should be presumed that these areas contain ACMs.

### *Asbestos containing materials and actions required*

SAMPLE NUMBER	SAMPLE DESCRIPTION	PRODUCT TYPE	ACTION REQUIRED
Sample 2	Building 14. First Floor. 1.01 Room 1, Textured coating to ceiling	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Ref. Sample 2	Building 14. First Floor. 1.02 Room 2, Textured coating to ceiling	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Ref. Sample 2	Building 14. First Floor. 1.03 Toilet, Textured coating to ceiling	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 8	Building 14. First Floor. 1.04 Room 3, Textured coating to ceiling	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Ref. Sample 8	Building 14. First Floor. 1.05 Landing and staircase to ground floor, Textured coating to ceiling	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 15	Building 14. Ground Floor. G.02 Room 1, Textured coating to ceiling and associated debris to floor	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Ref. Sample 15	Building 14. Ground Floor. G.05 Room 2, Textured coating to ceiling and associated debris to floor	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 20	Building 14. Ground Floor. G.10 Kitchen 2, Dampener and	Bitumen	Removal of non-

	drainer pads beneath sink and drainer		licensed ACMs (Remove (non-licensed))
Sample 22	Building 14. Ground Floor. G.11 Room 6, Textured coating to walls and associated debris to floor	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Ref. Sample 22	Building 14. Ground Floor. G.12 Room 7, Textured coating to walls and associated debris to floor	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 23	Building 14. Ground Floor. G.11 Room 6, Textured coating to ceiling and associated debris to floor	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Ref. Sample 23	Building 14. Ground Floor. G.12 Room 7, Textured coating to ceiling and associated debris to floor	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 30	Building 14. External. E.02 Boiler House, Insulation to metal pipe section to joint (larger diameter pipe exiting left hand side brick wall and joining pipe to boiler)	Asbestos Insulation/Coating	Removal of licensed ACMs (Remove (licensed))
Sample 31	Building 14. External. E.02 Boiler House, Cement flue pipe section within left hand side brick wall (penetrating through wall). Presume flue pipe continues up into brick chimney (limited access in chimney due to structural hazard)	Cement	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 33	Building 14. External. E.02 Boiler House, Woven rope gasket seal around flue attachment to boiler beneath cement jointing	Woven	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 34	Building 14. External. E.02 Boiler House, Paper insulation lining to metal walls and top within boiler	Asbestos Insulation/Coating	Removal of licensed ACMs (Remove (licensed))
Sample 35	Building 14. External. E.02 Boiler House, Dust and debris to concrete plinth floor beneath boiler (it must be presumed to be as throughout boiler house. Floor cannot be accessed as submerged beneath water.)	Dust	Removal of licensed ACMs (Remove (licensed))

The purpose of this survey is to identify the asbestos containing materials that are present, with the assumption that during demolition, all ACM's discovered are to be removed.

## SECTION 2 – Introduction

Envirochem Analytical Laboratories Ltd is a well established, independent organisation. We are United Kingdom Accreditation Service (UKAS) accredited as a testing laboratory (Number: 1227) and as an inspection body (Number: 260). This accreditation covers fibre identification of asbestos bulk samples, air monitoring for asbestos and asbestos building surveys. All asbestos lead surveyors hold, as a minimum qualification, the British Occupational Hygiene Society (BOHS) proficiency certificate in Building surveys and bulk sampling for asbestos (P402). Likewise, those employed in the other fields mentioned hold, as a minimum qualification, the relevant BOHS proficiency certificate.

We also have expertise and experience in setting up and monitoring asbestos management plans.

This report is based on the findings of a demolition (as defined by Health and Safety Executive (HSE) Guidance Note HSG264: Asbestos: The Survey Guide) survey carried out by Envirochem at Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA.

The survey was carried out on the 9th June 2016 by [REDACTED] on behalf of Envirochem Analytical Laboratories Ltd, 12 The Gardens, Fareham, Hampshire, PO16 8SS, as instructed by [REDACTED] of Homes & Communities Agency (Bristol), 2 Rivergate, Temple Way, Bristol, BS1 6EH.

The purpose of the survey was to determine the location, extent and product type of all asbestos containing materials (ACM's) within the areas covered by this survey report. This information should form part of the Health and Safety plan for any proposed demolition work, as required by the CDM Regulations and/or the Control of Asbestos Regulations 2012.

*For further information with respect to the survey report or to arrange asbestos removal work or to arrange a free consultation at our premises please contact [REDACTED].*

The location and description, as far as was reasonably possible, of all suspected ACM's within all areas of the building were recorded. ACM's have not been disturbed or removed during the course of this survey. There is the possibility for additional ACM's to be present behind those identified, which may only be discovered during subsequent asbestos removal work.

Samples of each different type of suspected ACM were collected in accordance with HSE Guidance Note HSG264 for laboratory analysis. The samples were then analysed in accordance with HSE Guidance Note HSG248 to identify, which suspected ACM's, actually contained asbestos.

For sampled suspected ACM's, similar homogenous materials used in the same way throughout the building have not been sampled. In this instance the referenced suspected ACM can be strongly presumed to have the same make up as the sampled suspected ACM. Where a suspected ACM cannot be sampled but visually identified only there will be a presumption as to the make up of the material.

The survey is designed to be used as a basis for costing the removal of ACM's from the building prior to demolition. Any person or people using the report in this way must satisfy themselves as to the extent of the ACM's within the designated area and thereby ensure that their tender is sufficient in every respect to remove all the ACM's within these areas, including the possibility of any that may be hidden behind identified, strongly presumed or presumed ACM's.

Due to the situation in which the survey is required the condition of the asbestos is not assessed and an asbestos material assessment is not created, instead a list of asbestos containing materials is developed. It should be noted that even when there are no ACM's identified in any particular area this is not a guarantee that ACM's are not present in this area. For instance ACM's may be located within the structure of the building and not identified until demolition of the building. Due caution must always be taken when dealing with building materials and suspected ACM's must be reported and left undisturbed until further investigation proves it safe to proceed.



## SECTION 3 - Initial Observations

A demolition asbestos survey was carried out at Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA.  
Demolition survey to Building 14

Externally the building is constructed of brick wall, wooden walls to rear entrance canopy, asphalt to flat concrete roof to ground floor, clay tiled pitched roof, lead flashing to roofs, roofing felt to flat roofs to compressor house and external cupboard, plastic sheet roof to rear entrance canopy, wooden soffit and fascia boards, concrete and wooden window sills, wooden window frames, wooden doors and door frames, plastic guttering and downpipes, metal flue exiting roof, metal sheet walls and roof to external emergency shower cubicle.



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## SECTION 4 - Areas of No Access

During the course of this survey no ACM's have been disturbed or removed. There is the possibility that additional ACM's may be present behind those identified. These additional ACM's would only become evident during any subsequent asbestos removal work.

### Specific Areas of No Access

AREA	REASON FOR NON-ACCESS
There were no areas of no access in the survey.	

As stated within HSE Guidance Note HSG264 areas where access cannot be gained must be presumed to contain ACM's until evidence can prove otherwise. All areas listed above should be revisited prior to further works.

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## SECTION 5 - Method Statement

### Sampling of Suspected Asbestos Containing Materials (ACM's)

Samples of each different type of suspected ACM were collected in accordance with HSE Guidance Note HSG264 for laboratory analysis.

- The surveyor(s) visited each area to identify the position and number of samples. Also they assessed the health and safety requirements both for the occupiers of the adjacent areas as well as the surveyors.
- During sampling, the surveyors wore the personal protective equipment as appropriate to the risk assessment. In critical areas, warning signs were posted to restrict access during sampling.
- Sampling locations were damped down to reduce the risk of fibre release and samples were collected with shadow vacuuming where necessary. Upon completion of the sampling any debris created was cleaned by either H-type vacuums or wet wiping.
- The sample was placed in a labelled plastic bag, sealed and then placed in a second bag. Where required the sampling position was made good to minimise fibre release and labelled.
- Details of the samples location, product type, extent were recorded to enable a list of asbestos containing materials to be prepared.

### Fibre Identification of Suspected Asbestos Containing Materials (ACM's)

Each sampled suspected ACM was analysed in the laboratory in accordance with HSE Guidance Note HSG248. This analysis involved stereo microscopy and polarised light microscopy in association with dispersion staining techniques.

Using polarised light microscopy very fine asbestos fibres such as those present in some textured coatings may not always be identifiable.

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## SECTION 6 - Asbestos Removal and Disposal

Under the Control of Asbestos Regulations 2012, there are three categories of asbestos removal; licensed, non notifiable and notifiable non-licensed work. For licensed work, generally involving asbestos insulation, insulation board and coatings, only a HSE licensed asbestos removal specialist can carry out this work. This work would generally take place inside an enclosure incorporating a three-stage airlock and kept under negative pressure.

Licensable work can only occur once a 14-day period has passed since the HSE received notification from the HSE licensed asbestos removal specialist of the forthcoming asbestos work.

The other two categories, non notifiable and notifiable non-licensed work, trained operatives with the correct equipment should be used as a minimum, Envirochem would always recommend using a licensed contractor for this work. For the purpose of this survey report, all work that would fall into these two categories have been classified as, removal (non-licensed). If these materials are to be removed, a risk assessment should be carried out by the removal operatives on the condition of the material at the time of pre removal and the expected fibre levels from similar work to allow the material to be categorised as non notifiable or notifiable non-licensed work. If the material is classified as notifiable non-licensed work, the local authority should be informed of the removal works prior to it commencing.

All waste with an asbestos content in excess of 0.1% of the total weight is classified as special waste and therefore must be deposited at a site which is licensed to accept special waste.

It is the recommendation of Envirochem that all work involving ACM's is undertaken by a HSE licensed asbestos removal specialist to ensure all legislation and guidelines are adhered to.

*For information regarding work with asbestos or to arrange work with asbestos please contact* [REDACTED]  
[REDACTED].

PRE-APPROVAL



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## Asbestos Fibre Identification Report

**Client:** Homes & Communities Agency (Bristol)  
2 Rivergate, Temple Way, Bristol, BS1 6EH

**Site Address:** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Sampled By:** [REDACTED] Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 1	AO000211	Building 14, Roof Void. R.01 Roof void, Dust and debris to floor throughout void	No	
Sample 2	AO000212	Building 14, First Floor. 1.01 Room 1, Textured coating to ceiling	Yes	Chrysotile
Sample 3	AO000213	Building 14, First Floor. 1.01 Room 1, Dampener and drainer pads beneath sink and drainer	No	
Sample 4	AO000214	Building 14, First Floor. 1.01 Room 1, Floor void, dust and debris within	No	

**PRE-APPROVAL**

#### 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: [REDACTED]

Authorised signatory

PRINT NAME: [REDACTED]

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



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**Analyst/s:** [REDACTED]

**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
Sample 5	AO000215	Building 14, First Floor. 1.02 Room 2, Floor void, dust and debris within	No	
Sample 6	AO000216	Building 14, First Floor. 1.03 Toilet, Vinyl floor lay (brown) to wooden floor	No	
Sample 7	AO000217	Building 14, First Floor. 1.03 Toilet, 'Shires' toilet cistern	No	
Sample 8	AO000218	Building 14, First Floor. 1.04 Room 3, Textured coating to ceiling	Yes	Chrysotile

**PRE-APPROVAL**

#### NOTES:

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**Sampled By:** [REDACTED], Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 9	AO000219	Building 14, First Floor. 1.04 Room 3, Floor void, dust and debris within	No	
Sample 10	AO000220	Building 14, First Floor. 1.04 Room 3, Insulation to metal vertical pipe to left hand side wall	No	
Sample 11	AO000221	Building 14, First Floor. 1.05 Landing and staircase to ground floor, Vinyl nosing (black) to stairs	No	
Sample 12	AO000222	Building 14, Ground Floor. G.01 Kitchen 1, Vinyl floor lay (beige) to wooden floor	No	

**PRE-APPROVAL**

#### NOTES:

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**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 13	AO000223	Building 14, Ground Floor. G.01 Kitchen 1, Vinyl lay (brown) to top of wooden work benches	No	
Sample 14	AO000224	Building 14, Ground Floor. G.01 Kitchen 1, Insulation to vertical metal pipe to left hand side wall	No	
Sample 15	AO000225	Building 14, Ground Floor. G.02 Room 1, Textured coating to ceiling and associated debris to floor	Yes	Chrysotile
Sample 16	AO000226	Building 14, Ground Floor. G.03 Corridor 1 and cupboard beneath staircase, Vinyl floor lay (brown) to wooden floor	No	

**PRE-APPROVAL**

#### 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.
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**Sampled By:** [REDACTED], Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 17	AO000227	Building 14, Ground Floor. G.07 Room 4, Vinyl floor lay (beige) to parquet floor	No	
Sample 18	AO000228	Building 14, Ground Floor. G.07 Room 4, Bitumen to concrete floor beneath wooden parquet flooring	No	
Sample 19	AO000229	Building 14, Ground Floor. G.09 Toilet, Toilet cistern	No	
Sample 20	AO000230	Building 14, Ground Floor. G.10 Kitchen 2, Dampener and drainer pads beneath sink and drainer	Yes	Chrysotile

**PRE-APPROVAL**

#### NOTES:

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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: [REDACTED]

Authorised signatory

PRINT NAME: [REDACTED]

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



Our Ref: J102209 FI: 40

Your Ref: /

Date: 16/06/2016

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



Tel: (01329) 287777

Fax: (01329) 287755

www.envirochem.co.uk

xxxxxx@xxxxxxxxxx.xx.

## Asbestos Fibre Identification Report

**Client:** Homes & Communities Agency (Bristol)  
2 Rivergate, Temple Way, Bristol, BS1 6EH

**Site Address:** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Sampled By:** [REDACTED], Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 21	AO000231	Building 14, Ground Floor. G.11 Room 6, Vinyl floor lay (brown) to concrete floor	No	
Sample 22	AO000232	Building 14, Ground Floor. G.11 Room 6, Textured coating to walls and associated debris to floor	Yes	Chrysotile
Sample 23	AO000233	Building 14, Ground Floor. G.11 Room 6, Textured coating to ceiling and associated debris to floor	Yes	Chrysotile
Sample 24	AO000234	Building 14, Ground Floor. G.12 Room 7, Dampener and drainer pads beneath sink and drainer	No	

**PRE-APPROVAL**

#### 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: [REDACTED]

Authorised signatory

PRINT NAME: [REDACTED]

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## Asbestos Fibre Identification Report

**Client:** Homes & Communities Agency (Bristol)  
2 Rivergate, Temple Way, Bristol, BS1 6EH

**Site Address:** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Sampled By:** [REDACTED], Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 25	AO000235	Building 14, Ground Floor. G.13 Throughout, Rooms 1, 2, kitchen and corridor 1 floor voids, dust and debris within throughout (pooled sample)	No	
Sample 26	AO000236	Building 14, External. E.01 External, Asphalt to flat concrete roof	No	
Sample 27	AO000237	Building 14, External. E.01 External, Roofing felt to flat roofs over compressor house and external cupboard	No	
Sample 28	AO000238	Building 14, External. E.01 External, Putty surrounding glazing to wooden window frames throughout	No	

**PRE-APPROVAL**

#### 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.
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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: [REDACTED]

Authorised signatory

PRINT NAME: [REDACTED]

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## Asbestos Fibre Identification Report

**Client:** Homes & Communities Agency (Bristol)  
2 Rivergate, Temple Way, Bristol, BS1 6EH

**Site Address:** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Sampled By:** [REDACTED], Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 29	AO000244	Building 14, Ground Floor. G.13 Throughout, Rooms 1, 2, kitchen and corridor 1 floor voids, insulation to metal pipework throughout	No	
Sample 30	AO000245	Building 14, External. E.02 Boiler House, Insulation to metal pipe section to joint (larger diameter pipe exiting left hand side brick wall and joining pipe to boiler)	Yes	Amosite Chrysotile Crocidolite
Sample 31	AO000246	Building 14, External. E.02 Boiler House, Cement flue pipe section within left hand side brick wall (penetrating through wall). Presume flue pipe continues up into brick chimney (limited access in chimney due to structural hazard)	Yes	Chrysotile
Sample 32	AO000247	Building 14, External. E.02 Boiler House, Cement jointing around flue attachment to boiler	No	

PRE-APPROVAL

#### 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.
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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:

[REDACTED]

Authorised signatory

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## Asbestos Fibre Identification Report

**Client:** Homes & Communities Agency (Bristol)  
2 Rivergate, Temple Way, Bristol, BS1 6EH

**Site Address:** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Sampled By:** [REDACTED], Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 33	AO000248	Building 14, External. E.02 Boiler House, Woven rope gasket seal around flue attachment to boiler beneath cement jointing	Yes	Chrysotile
Sample 34	AO000249	Building 14, External. E.02 Boiler House, Paper insulation lining to metal walls and top within boiler	Yes	Chrysotile
Sample 35	AO000250	Building 14, External. E.02 Boiler House, Dust and debris to concrete plinth floor beneath boiler (it must be presumed to be as throughout boiler house. Floor cannot be accessed as submerged beneath water.)	Yes	Amosite Chrysotile Crocidolite
Sample 36	AO000251	Building 14, External. E.02 Boiler House, Residue to right hand side brick wall	No	

**PRE-APPROVAL**

#### 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.
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SIGNATURE: [REDACTED]

Authorised signatory

PRINT NAME: [REDACTED]

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## Asbestos Fibre Identification Report

**Client:** Homes & Communities Agency (Bristol)  
2 Rivergate, Temple Way, Bristol, BS1 6EH

**Site Address:** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Sampled By:** [REDACTED], Envirochem

**Date sampled/received:** 9th June 2016

**Date analysed:** 13th June 2016

**Analyst/s:** [REDACTED]

**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
Sample 37	AO000252	Building 14, External. E.02 Boiler House, Residue to front brick wall	No	
Sample 38	AO000253	Building 14, External. E.02 Boiler House, Residue to left hand side brick wall	No	
Sample 39	AO000254	Building 14, External. E.02 Boiler House, Residue to rear brick wall	No	
Sample 40	AO000255	Building 14, External. E.02 Boiler House, Insulation to remainder of metal pipework throughout boiler room	No	

**PRE-APPROVAL**

#### 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.
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SIGNATURE:

Authorised signatory

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**Envirochem Analytical Laboratories Ltd.**  
**Appendix 2 - List of Asbestos Containing Materials**

**Site Address** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA  
**Date of Survey** 9th June 2016  
**Reference Number** J102209

Sample No.	Location	Level of Identification	Product Type	Asbestos Type	Extent
Sample 2	Building 14, First Floor. 1.01 Room 1, Textured coating to ceiling	Identified	Artex	Chrysotile	20m <sup>2</sup>
Ref. Sample 2	Building 14, First Floor. 1.02 Room 2, Textured coating to ceiling	Strongly Presumed	Artex	Chrysotile	9m <sup>2</sup>
Ref. Sample 2	Building 14, First Floor. 1.03 Toilet, Textured coating to ceiling	Strongly Presumed	Artex	Chrysotile	4m <sup>2</sup>
Sample 8	Building 14, First Floor. 1.04 Room 3, Textured coating to ceiling	Identified	Artex	Chrysotile	20m <sup>2</sup>
Ref. Sample 8	Building 14, First Floor. 1.05 Landing and staircase to ground floor, Textured coating to ceiling	Strongly Presumed	Artex	Chrysotile	8m <sup>2</sup>
Sample 15	Building 14, Ground Floor. G.02 Room 1, Textured coating to ceiling and associated debris to floor	Identified	Artex	Chrysotile	20m <sup>2</sup>
Ref. Sample 15	Building 14, Ground Floor. G.05 Room 2, Textured coating to ceiling and associated debris to floor	Strongly Presumed	Artex	Chrysotile	16m <sup>2</sup>
Sample 20	Building 14, Ground Floor. G.10 Kitchen 2, Dampener and drainer pads beneath sink and drainer	Identified	Bitumen	Chrysotile	2no.

PRE-APPROVAL



**Envirochem Analytical Laboratories Ltd.**  
**Appendix 2 - List of Asbestos Containing Materials**

**Site Address** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA  
**Date of Survey** 9th June 2016  
**Reference Number** J102209

Sample No.	Location	Level of Identification	Product Type	Asbestos Type	Extent
Sample 22	Building 14, Ground Floor. G.11 Room 6, Textured coating to walls and associated debris to floor	Identified	Artex	Chrysotile	40m <sup>2</sup>
Ref. Sample 22	Building 14, Ground Floor. G.12 Room 7, Textured coating to walls and associated debris to floor	Strongly Presumed	Artex	Chrysotile	32m <sup>2</sup>
Sample 23	Building 14, Ground Floor. G.11 Room 6, Textured coating to ceiling and associated debris to floor	Identified	Artex	Chrysotile	25m <sup>2</sup>
Ref. Sample 23	Building 14, Ground Floor. G.12 Room 7, Textured coating to ceiling and associated debris to floor	Strongly Presumed	Artex	Chrysotile	16m <sup>2</sup>
Sample 30	Building 14, External. E.02 Boiler House, Insulation to metal pipe section to joint (larger diameter pipe exiting left hand side brick wall and joining pipe to boiler)	Identified	Asbestos Insulation/Coating	Amo + Chrys + Croc	11m
Sample 31	Building 14, External. E.02 Boiler House, Cement flue pipe section within left hand side brick wall (penetrating through wall). Presume flue pipe continues up into brick chimney (limited access in chimney due to structural hazard)	Identified	Cement	Chrysotile	1no.
Sample 33	Building 14, External. E.02 Boiler House, Woven rope gasket seal around flue attachment to boiler beneath cement jointing	Identified	Woven	Chrysotile	11m
Sample 34	Building 14, External. E.02 Boiler House, Paper insulation lining to metal walls and top within boiler	Identified	Asbestos Insulation/Coating	Chrysotile	3m <sup>2</sup>

PRE-APPROVAL

**Envirochem Analytical Laboratories Ltd.**  
**Appendix 2 - List of Asbestos Containing Materials**

**Site Address** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA  
**Date of Survey** 9th June 2016  
**Reference Number** J102209

Sample No.	Location	Level of Identification	Product Type	Asbestos Type	Extent
Sample 35	Building 14, External. E.02 Boiler House, Dust and debris to concrete plinth floor beneath boiler (it must be presumed to be as throughout boiler house. Floor cannot be accessed as submerged beneath water.)	Identified	Dust	Amo + Chrys + Croc	12m <sup>2</sup>

PRE-APPROVAL

# Envirochem Analytical Laboratories Ltd.

## Appendix 3 - List of Negative Samples

Page 25 of 34

**Site Address** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Date of Survey** 9th June 2016

**Reference Number** J102209

**Surveyors** [REDACTED]

Sample No.	Location	Product Type
Sample 1	Building 14, Roof Void. R.01 Roof void, Dust and debris to floor throughout void	Dust/Debris
Sample 3	Building 14, First Floor. 1.01 Room 1, Dampener and drainer pads beneath sink and drainer	Bitumen
Sample 4	Building 14, First Floor. 1.01 Room 1, Floor void, dust and debris within	Dust/Debris
Sample 5	Building 14, First Floor. 1.02 Room 2, Floor void, dust and debris within	Dust/Debris
Sample 6	Building 14, First Floor. 1.03 Toilet, Vinyl floor lay (brown) to wooden floor	Vinyl tile
Ref. Sample 6	Building 14, First Floor. 1.05 Landing and staircase to ground floor, Vinyl floor lay (brown) to wooden floor	Vinyl tile
Sample 7	Building 14, First Floor. 1.03 Toilet, 'Shires' toilet cistern	Composite / Resin
Sample 9	Building 14, First Floor. 1.04 Room 3, Floor void, dust and debris within	Dust/Debris
Sample 10	Building 14, First Floor. 1.04 Room 3, Insulation to metal vertical pipe to left hand side wall	Non Asbestos Insulation
Sample 11	Building 14, First Floor. 1.05 Landing and staircase to ground floor, Vinyl nosing (black) to stairs	Vinyl tile
Sample 12	Building 14, Ground Floor. G.01 Kitchen 1, Vinyl floor lay (beige) to wooden floor	Vinyl tile
Ref. Sample 12	Building 14, Ground Floor. G.05 Room 2, Vinyl floor lay (beige) to wooden floor	Vinyl tile
Ref. Sample 12	Building 14, Ground Floor. G.06 Room 3, Vinyl floor lay (beige) to concrete floor	Vinyl tile
Ref. Sample 12	Building 14, Ground Floor. G.02 Room 1, Vinyl floor lay (beige) to wooden floor	Vinyl tile
Sample 13	Building 14, Ground Floor. G.01 Kitchen 1, Vinyl lay (brown) to top of wooden work benches	Vinyl tile
Sample 14	Building 14, Ground Floor. G.01 Kitchen 1, Insulation to vertical metal pipe to left hand side wall	Non Asbestos Insulation
Sample 16	Building 14, Ground Floor. G.03 Corridor 1 and cupboard beneath staircase, Vinyl floor lay (brown) to wooden floor	Vinyl lay
Ref. Sample 16	Building 14, Ground Floor. G.04 Corridor 2, Vinyl floor lay (brown) to concrete floor	Vinyl lay
Ref. Sample 16	Building 14, Ground Floor. G.09 Toilet, Vinyl floor lay (brown) to concrete floor	Vinyl lay
Ref. Sample 16	Building 14, Ground Floor. G.10 Kitchen 2, Vinyl floor lay (brown) to concrete floor	Vinyl lay
Sample 17	Building 14, Ground Floor. G.07 Room 4, Vinyl floor lay (beige) to parquet floor	Vinyl tile
Ref. Sample	Building 14, Ground Floor. G.08 Room 5, Vinyl floor lay (beige) to concrete floor	Vinyl tile

# Envirochem Analytical Laboratories Ltd.

## Appendix 3 - List of Negative Samples

Page 26 of 34

**Site Address** Building 14, HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

**Date of Survey** 9th June 2016

**Reference Number** J102209

**Surveyors** [REDACTED]

17		
Ref. Sample 17	Building 14, Ground Floor. G.12 Room 7, Vinyl floor lay (beige) to concrete floor	Vinyl tile
Sample 18	Building 14, Ground Floor. G.07 Room 4, Bitumen to concrete floor beneath wooden parquet flooring	Bitumen
Sample 19	Building 14, Ground Floor. G.09 Toilet, Toilet cistern	Composite / Resin
Sample 21	Building 14, Ground Floor. G.11 Room 6, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Sample 24	Building 14, Ground Floor. G.12 Room 7, Dampener and drainer pads beneath sink and drainer	Bitumen
Sample 25	Building 14, Ground Floor. G.13 Throughout, Rooms 1, 2, kitchen and corridor 1 floor voids, dust and debris within throughout (pooled sample)	Dust/Debris
Sample 26	Building 14, External. E.01 External, Asphalt to flat concrete roof	Bitumen
Sample 27	Building 14, External. E.01 External, Roofing felt to flat roofs over compressor house and external cupboard	Felt
Sample 28	Building 14, External. E.01 External, Putty surrounding glazing to wooden window frames throughout	Mastic
Sample 29	Building 14, Ground Floor. G.13 Throughout, Rooms 1, 2, kitchen and corridor 1 floor voids, insulation to metal pipework throughout	Non Asbestos Insulation
Sample 32	Building 14, External. E.02 Boiler House, Cement jointing around flue attachment to boiler	Concrete
Sample 36	Building 14, External. E.02 Boiler House, Residue to right hand side brick wall	Residue
Sample 37	Building 14, External. E.02 Boiler House, Residue to front brick wall	Residue
Sample 38	Building 14, External. E.02 Boiler House, Residue to left hand side brick wall	Residue
Sample 39	Building 14, External. E.02 Boiler House, Residue to rear brick wall	Residue
Sample 40	Building 14, External. E.02 Boiler House, Insulation to remainder of metal pipework throughout boiler room	Non Asbestos Insulation

FOR APPROVAL

## APPENDIX 4 - Photographs

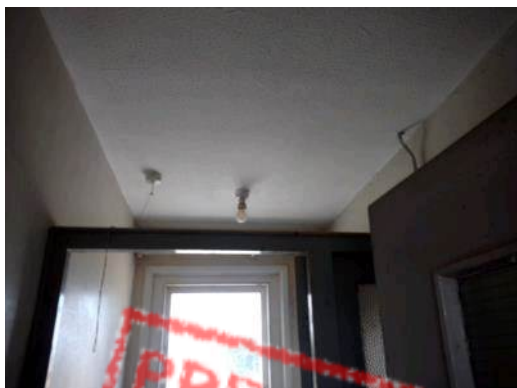
**Sample 2:** Building 14. First Floor. Room 1.  
Textured coating to ceiling



**Ref. Sample 2:** Building 14. First Floor. Room  
2. Textured coating to ceiling



**Ref. Sample 2:** Building 14. First Floor. Toilet.  
Textured coating to ceiling



**Sample 8:** Building 14. First Floor. Room 3.  
Textured coating to ceiling



PRE-APPROVAL

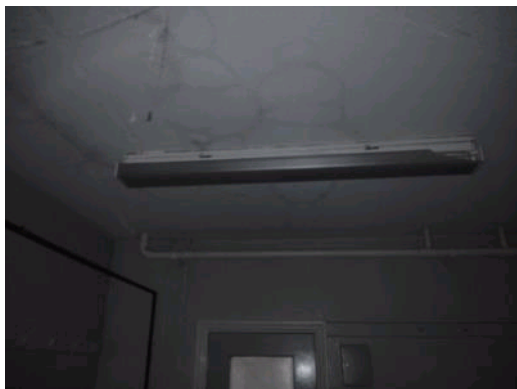
**Ref. Sample 8:** Building 14. First Floor. Landing and staircase to ground floor. Textured coating to ceiling



**Sample 15:** Building 14. Ground Floor. Room 1. Textured coating to ceiling and associated debris to floor



**Ref. Sample 15:** Building 14. Ground Floor. Room 2. Textured coating to ceiling and associated debris to floor



**Sample 20:** Building 14. Ground Floor. Kitchen 2. Dampener and drainer pads beneath sink and drainer



PRE-APPROVAL



**Sample 22:** Building 14. Ground Floor. Room 6.  
Textured coating to walls and associated debris  
to floor



**Ref. Sample 22:** Building 14. Ground Floor.  
Room 7. Textured coating to walls and  
associated debris to floor



**Sample 23:** Building 14. Ground Floor. Room 6.  
Textured coating to ceiling and associated debris  
to floor



**Ref. Sample 23:** Building 14. Ground Floor.  
Room 7. Textured coating to ceiling and  
associated debris to floor



PRE-APPROVAL



**Sample 30:** Building 14. External. Boiler House. Insulation to metal pipe section to joint (larger diameter pipe exiting left hand side brick wall and joining pipe to boiler)



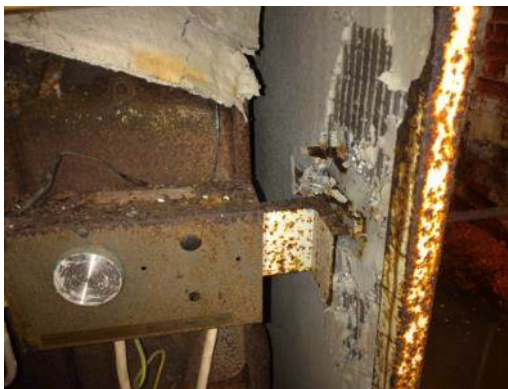
**Sample 31:** Building 14. External. Boiler House. Cement flue pipe section within left hand side brick wall (penetrating through wall). Presume flue pipe continues up into brick chimney (limited access in chimney due to structural hazard)



**Sample 33:** Building 14. External. Boiler House. Woven rope gasket seal around flue attachment to boiler beneath cement jointing



**Sample 34:** Building 14. External. Boiler House. Paper insulation lining to metal walls and top within boiler



PRE-APPROVAL

**Sample 35:** Building 14. External. Boiler House.  
Dust and debris to concrete plinth floor beneath boiler (it must be presumed to be as throughout boiler house. Floor cannot be accessed as submerged beneath water.)

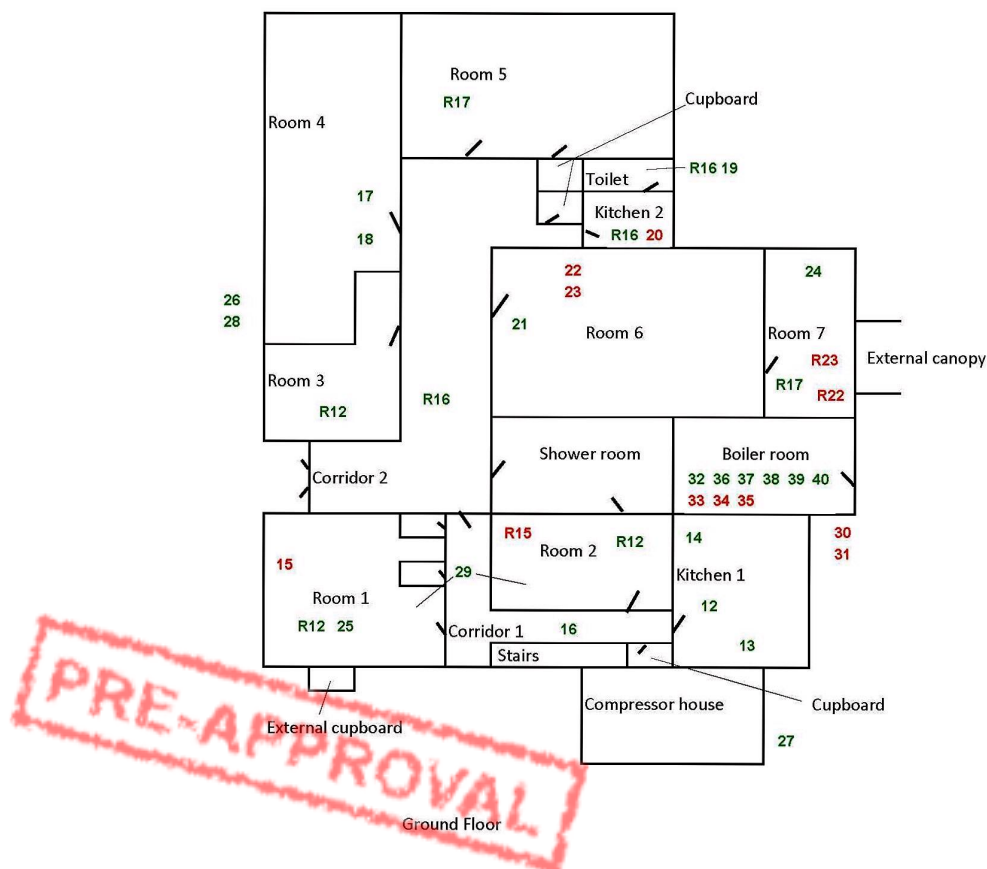


PRE-APPROVAL

## APPENDIX 5 - Marked Plans

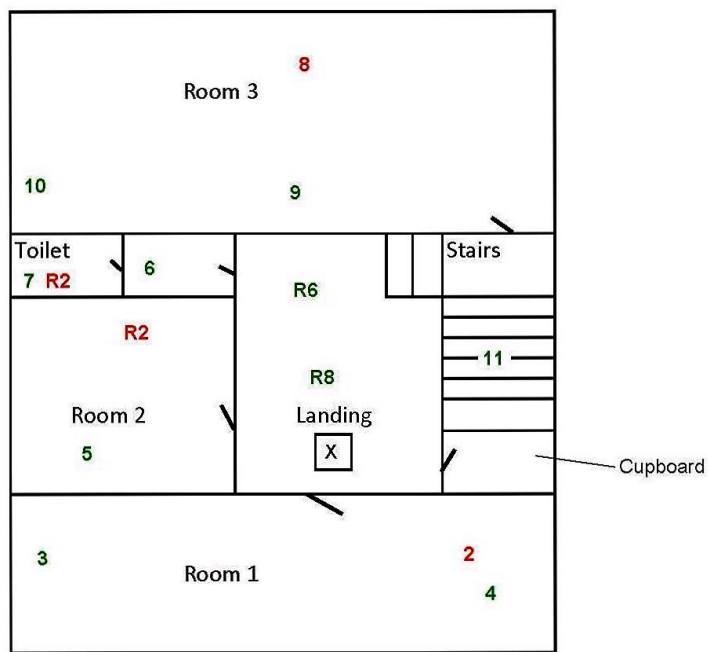
Client: Homes & Communities Agency (Bristol)  
Site: Building 14  
HMS Daedalus  
Broom Way  
Lee-on-Solent  
PO13 9YA

Key: 1 Asbestos identified  
1 No asbestos identified  
R1 Asbestos strongly presumed  
R1 No asbestos strongly presumed



Client: Homes & Communities Agency (Bristol)  
Site: Building 14  
HMS Daedalus  
Broom Way  
Lee-on-Solent  
PO13 9YA

Key: 1 Asbestos identified  
1 No asbestos identified  
R1 Asbestos strongly presumed  
R1 No asbestos strongly presumed

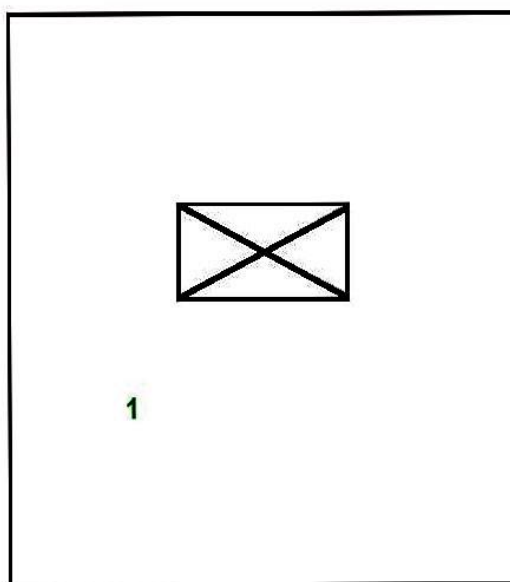


First Floor

PRE-APPROVAL

Client: Homes & Communities Agency (Bristol)  
Site: Building 14  
HMS Daedalus  
Broom Way  
Lee-on-Solent  
PO13 9YA

Key: **1** Asbestos identified  
**1** No asbestos identified



Roof Void

PRE-APPROVAL