



Our Ref: J105193 FI: 28
Your Ref: .
Date: 09/09/2016

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DEMOLITION ASBESTOS SURVEY
OF
BUILDING 135,
HMS DAEDALUS,
BROOM WAY,
LEE ON SOLENT,
HAMPSHIRE
PO13 9YA
ON BEHALF OF
HOMES & COMMUNITIES AGENCY

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.



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	Name	Signed	Dated
Report Authorised By	[REDACTED] (Lead Surveyor)	[REDACTED]	9 Sep 2016

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 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, 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

The scope of work is a refurbishment asbestos survey of Building 135, HMS Daedalus, Lee on The Solent

Asbestos identified

SAMPLE NUMBER	SAMPLE DESCRIPTION	PRODUCT TYPE
Sample 1	Building 135. Ground Floor. G.01 Room 001, Floor duct (straight), cement shuttering to underside of concrete duct lids	Cement
Sample 2	Building 135. Ground Floor. G.01 Room 001, Floor duct (straight), dust and debris within duct	Dust/Debris
Sample 3	Building 135. Ground Floor. G.01 Room 001, Floor duct (staggered), cement shuttering to underside of concrete duct lids	Cement
Sample 4	Building 135. Ground Floor. G.01 Room 001, Floor duct (staggered), dust and debris within duct	Dust/Debris
Sample 7	Building 135. Ground Floor. G.05 Room 005, Textured coating to plasterboard ceiling	Artex
Sample 16	Building 135. Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between small header tank dropping into room below	Lagging
Sample 17	Building 135. Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between large tanks	Lagging
Sample 18	Building 135. Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of small metal header tank	Lagging
Sample 19	Building 135. Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of large metal tank	Lagging
Sample 20	Building 135. Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Lagging
Sample 21	Building 135. Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Lagging
Sample 23	Building 135. Roof Void. R.01 Roof void, Cement debris to floor throughout roof void	Cement
Sample 27	Building 135. External. E.01 External, Cement guttering and downpipe adjacent to room 002	Cement
Sample 28	Building 135. External. E.01 External, Typical gasket to external pipework joints to rear and right hand side of building	Gasket

Areas of no access

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

AREA	REASON FOR NON-ACCESS
Building 135 External. E.02 Boiler Room	No access within plant/boiler room- room and access steps flooded

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 1	Building 135. Ground Floor. G.01 Room 001, Floor duct (straight), cement shuttering to underside of concrete duct lids	Cement	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 2	Building 135. Ground Floor. G.01 Room 001, Floor duct (straight), dust and debris within duct	Dust/Debris	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 3	Building 135. Ground Floor. G.01 Room 001, Floor duct (staggered), cement shuttering to underside of concrete duct lids	Cement	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 4	Building 135. Ground Floor. G.01 Room 001, Floor duct (staggered), dust and debris within duct	Dust/Debris	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 7	Building 135. Ground Floor. G.05 Room 005, Textured coating to plasterboard ceiling	Artex	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 16	Building 135. Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between small header tank dropping into room below	Lagging	Removal of licensed ACMs (Remove (licensed))
Sample 17	Building 135. Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between large tanks	Lagging	Removal of licensed ACMs (Remove (licensed))
Sample 18	Building 135. Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of small metal header tank	Lagging	Removal of licensed ACMs (Remove (licensed))
Sample 19	Building 135. Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of large metal tank	Lagging	Removal of licensed ACMs (Remove (licensed))
Sample 20	Building 135. Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Lagging	Removal of licensed ACMs (Remove (licensed))
Sample 21	Building 135. Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Lagging	Removal of licensed ACMs (Remove (licensed))
Sample 23	Building 135. Roof Void. R.01 Roof void, Cement debris to floor throughout roof void	Cement	Removal of non-licensed ACMs (Remove (non-licensed))

Sample 27	Building 135. External. E.01 External, Cement guttering and downpipe adjacent to room 002	Cement	Removal of non-licensed ACMs (Remove (non-licensed))
Sample 28	Building 135. External. E.01 External, Typical gasket to external pipework joints to rear and right hand side of building	Gasket	Removal of non-licensed ACMs (Remove (non-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 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA.

The survey was carried out on the 1st August 2016 to 2nd August 2016 by [REDACTED] on behalf of Envirochem Analytical Laboratories Ltd, 12 The Gardens, Fareham, Hampshire, PO16 8SS, as instructed by [REDACTED] of Campbell Reith of Homes & Communities Agency, 2 Rivergate, Temple Quay, 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 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA. The scope of work is a refurbishment asbestos survey of Building 135, HMS Daedalus, Lee on The Solent

Externally the building is constructed of Brick walls, slate damp proof course to brick walls, cement tiles to pitched roofs, lead covering to flat entrance canopy, lead flashing to roofs, wooden soffit and fascia boards, wooden soffit panel to underside of entrance canopy, wooden window frames, wooden and stone window sills, wooden doors, cast iron and plastic guttering and downpipes, cement guttering and downpipe, metal pipework, MMMF insulation to metal pipework.



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
Building 135 External. E.02 Boiler Room	No access within plant/boiler room- room and access steps flooded

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.

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.

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].



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Asbestos Fibre Identification Report

Client: Homes & Communities Agency
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [REDACTED], Envirochem

Date sampled/received: 1st August 2016 - 2nd August 2016

Date analysed: 8th August 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	AO000535	Building 135, Ground Floor. G.01 Room 001, Floor duct (straight), cement shuttering to underside of concrete duct lids	Yes	Chrysotile
Sample 2	AO000536	Building 135, Ground Floor. G.01 Room 001, Floor duct (straight), dust and debris within duct	Yes	Chrysotile Crocidolite
Sample 3	AO000537	Building 135, Ground Floor. G.01 Room 001, Floor duct (staggered), cement shuttering to underside of concrete duct lids	Yes	Chrysotile
Sample 4	AO000538	Building 135, Ground Floor. G.01 Room 001, Floor duct (staggered), dust and debris within duct	Yes	Chrysotile Crocidolite

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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Client: Homes & Communities Agency
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [REDACTED], Envirochem

Date sampled/received: 1st August 2016 - 2nd August 2016

Date analysed: 8th August 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 5	AO000539	Building 135, Ground Floor. G.02 Room 002, Vinyl floor lay (red) to concrete floor	No	
Sample 6	AO000540	Building 135, Ground Floor. G.02 Room 002, Toilet seat	No	
Sample 7	AO000541	Building 135, Ground Floor. G.05 Room 005, Textured coating to plasterboard ceiling	Yes	Chrysotile
Sample 8	AO000542	Building 135, Ground Floor. G.05 Room 005, Vinyl floor lay (brown) to concrete floor	No	

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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Site Address: Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [REDACTED], Envirochem

Date sampled/received: 1st August 2016 - 2nd August 2016

Date analysed: 8th August 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	AO000543	Building 135, Ground Floor. G.07 Room 007, Woven opening pull cords to wooden sash window	No	
Sample 10	AO000544	Building 135, Ground Floor. G.08 Room 008, Dampener and drainer pad beneath sink and drainer	No	
Sample 11	AO000545	Building 135, Ground Floor. G.09 Room 009, Vinyl floor lay (brown) to concrete floor	No	
Sample 12	AO000546	Building 135, Ground Floor. G.09 Room 009, Insulation board panels to riser void	No	

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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SIGNATURE: [REDACTED]

Authorised signatory

PRINT NAME: [REDACTED]

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Site Address: Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [REDACTED], Envirochem

Date sampled/received: 1st August 2016 - 2nd August 2016

Date analysed: 8th August 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	AO000547	Building 135, Ground Floor. G.09 Room 009, Insulation board debris to floor	No	
Sample 14	AO000548	Building 135, Ground Floor. G.09 Room 009, Insulation board debris within riser void	No	
Sample 15	AO000549	Building 135, Ground Floor. G.11 Room 011, Toilet cistern	No	
Sample 16	AO000569	Building 135, Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between small header tank dropping into room below	Yes	Chrysotile Crocidolite

NOTES:

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SIGNATURE: [REDACTED]

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Sampled By: [REDACTED], Envirochem

Date sampled/received: 1st August 2016 - 2nd August 2016

Date analysed: 8th August 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	AO000570	Building 135, Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between large tanks	Yes	Chrysotile Crocidolite
Sample 18	AO000571	Building 135, Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of small metal header tank	Yes	Chrysotile Crocidolite
Sample 19	AO000572	Building 135, Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of large metal tank	Yes	Chrysotile Crocidolite
Sample 20	AO000573	Building 135, Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Yes	Chrysotile Crocidolite

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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Date sampled/received: 1st August 2016 - 2nd August 2016

Date analysed: 8th August 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	AO000574	Building 135, Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Yes	Chrysotile Crocidolite
Sample 22	AO000575	Building 135, Roof Void. R.01 Roof void, Brown woven insulation to metal pipe throughout roof void	No	
Sample 23	AO000576	Building 135, Roof Void. R.01 Roof void, Cement debris to floor throughout roof void	Yes	Chrysotile Crocidolite
Sample 24	AO000577	Building 135, Roof Void. R.01 Roof void, Roofing felt to pitched roof continuing behind wooden boarded roof	No	

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.



Our Ref: J105193 FI: 28

Your Ref: .

Date: 09/09/2016

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Asbestos Fibre Identification Report

Client: Homes & Communities Agency
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [REDACTED], Envirochem

Date sampled/received: 1st August 2016 - 2nd August 2016

Date analysed: 8th August 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	AO000578	Building 135, External. E.01 External, Cement roof tiles to pitched roofs	No	
Sample 26	AO000579	Building 135, External. E.01 External, Putty surrounding window and door glazing to wooden frames throughout	No	
Sample 27	AO000580	Building 135, External. E.01 External, Cement guttering and downpipe adjacent to room 002	Yes	Chrysotile
Sample 28	AO000581	Building 135, External. E.01 External, Typical gasket to external pipework joints to rear and right hand side of building	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.
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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.

Envirochem Analytical Laboratories Ltd.

Appendix 2 - List of Asbestos Containing Materials

Site Address Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 1st August 2016 to 2nd August 2016
Reference Number J105193

Sample No.	Location	Level of Identification	Product Type	Asbestos Type	Extent
Sample 1	Building 135, Ground Floor. G.01 Room 001, Floor duct (straight), cement shuttering to underside of concrete duct lids	Identified	Cement	Chrysotile	5m ²
Sample 2	Building 135, Ground Floor. G.01 Room 001, Floor duct (straight), dust and debris within duct	Identified	Dust/Debris	Chrysotile + Crocidolite	5m ²
Sample 3	Building 135, Ground Floor. G.01 Room 001, Floor duct (staggered), cement shuttering to underside of concrete duct lids	Identified	Cement	Chrysotile	5m ²
Sample 4	Building 135, Ground Floor. G.01 Room 001, Floor duct (staggered), dust and debris within duct	Identified	Dust/Debris	Chrysotile + Crocidolite	5m ²
Sample 7	Building 135, Ground Floor. G.05 Room 005, Textured coating to plasterboard ceiling	Identified	Artex	Chrysotile	50m ²
Sample 16	Building 135, Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between small header tank dropping into room below	Identified	Lagging	Chrysotile + Crocidolite	11lm
Sample 17	Building 135, Roof Void. R.01 Roof void, Insulation within white woven cloth to pipe running between large tanks	Identified	Lagging	Chrysotile + Crocidolite	11lm
Sample 18	Building 135, Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of small metal header tank	Identified	Lagging	Chrysotile + Crocidolite	4m ²

Envirochem Analytical Laboratories Ltd.

Appendix 2 - List of Asbestos Containing Materials

Site Address Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 1st August 2016 to 2nd August 2016
Reference Number J105193

Sample No.	Location	Level of Identification	Product Type	Asbestos Type	Extent
Sample 19	Building 135, Roof Void. R.01 Roof void, Insulation within white woven insulating pads to sides of large metal tank	Identified	Lagging	Chrysotile + Crocidolite	5m ²
Sample 20	Building 135, Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Identified	Lagging	Chrysotile + Crocidolite	60m ²
Sample 21	Building 135, Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Identified	Lagging	Chrysotile + Crocidolite	60m ²
Sample 23	Building 135, Roof Void. R.01 Roof void, Cement debris to floor throughout roof void	Identified	Cement	Chrysotile + Crocidolite	120m ²
Sample 27	Building 135, External. E.01 External, Cement guttering and downpipe adjacent to room 002	Identified	Cement	Chrysotile	4lm
Sample 28	Building 135, External. E.01 External, Typical gasket to external pipework joints to rear and right hand side of building	Identified	Gasket	Chrysotile	12no.

Envirochem Analytical Laboratories Ltd.

Appendix 3 - List of Negative Samples

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Site Address Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 1st August 2016 to 2nd August 2016
Reference Number J105193
Surveyors [REDACTED]

Sample No.	Location	Product Type
Sample 5	Building 135, Ground Floor. G.02 Room 002, Vinyl floor lay (red) to concrete floor	Vinyl tile
Ref. Sample 5	Building 135, Ground Floor. G.03 Room 003, Vinyl floor lay (red) to concrete floor	Vinyl tile
Ref. Sample 5	Building 135, Ground Floor. G.04 Room 004, Vinyl floor lay (red) to concrete floor	Vinyl tile
Sample 6	Building 135, Ground Floor. G.02 Room 002, Toilet seat	Composite / Resin
Sample 8	Building 135, Ground Floor. G.05 Room 005, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Ref. Sample 8	Building 135, Ground Floor. G.06 Room 006, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Ref. Sample 8	Building 135, Ground Floor. G.07 Room 007, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Ref. Sample 8	Building 135, Ground Floor. G.08 Room 008, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Sample 9	Building 135, Ground Floor. G.07 Room 007, Woven opening pull cords to wooden sash window	Residue
Sample 10	Building 135, Ground Floor. G.08 Room 008, Dampener and drainer pad beneath sink and drainer	Bitumen
Sample 11	Building 135, Ground Floor. G.09 Room 009, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Ref. Sample 11	Building 135, Ground Floor. G.10 Room 010, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Ref. Sample 11	Building 135, Ground Floor. G.11 Room 011, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Ref. Sample 11	Building 135, Ground Floor. G.12 Room 012, Vinyl floor lay (brown) to concrete floor	Vinyl tile
Sample 12	Building 135, Ground Floor. G.09 Room 009, Insulation board panels to riser void	Board
Sample 13	Building 135, Ground Floor. G.09 Room 009, Insulation board debris to floor	Board
Sample 14	Building 135, Ground Floor. G.09 Room 009, Insulation board debris within riser void	Board
Sample 15	Building 135, Ground Floor. G.11 Room 011, Toilet cistern	Composite / Resin
Sample 22	Building 135, Roof Void. R.01 Roof void, Brown woven insulation to metal pipe throughout roof void	Non Asbestos Insulation
Sample 24	Building 135, Roof Void. R.01 Roof void, Roofing felt to pitched roof continuing behind wooden boarded roof	Felt
Sample 25	Building 135, External. E.01 External, Cement roof tiles to pitched roofs	Composite / Resin
Sample 26	Building 135, External. E.01 External, Putty surrounding window and door glazing to	Putty

Envirochem Analytical Laboratories Ltd.

Appendix 3 - List of Negative Samples

Page 22 of 26

Site Address Building 135, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Date of Survey 1st August 2016 to 2nd August 2016

Reference Number J105193

Surveyors



	wooden frames throughout	
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APPENDIX 4 - Photographs

Sample 16: Building 135. Roof Void. Roof void. Insulation within white woven cloth to pipe running between small header tank dropping into room below



Sample 17: Building 135. Roof Void. Roof void. Insulation within white woven cloth to pipe running between large tanks



Sample 18: Building 135. Roof Void. Roof void. Insulation within white woven insulating pads to sides of small metal header tank



Sample 19: Building 135. Roof Void. Roof void. Insulation within white woven insulating pads to sides of large metal tank



Sample 20: Building 135. Roof Void. Roof void.
Dust and debris to floor throughout roof void



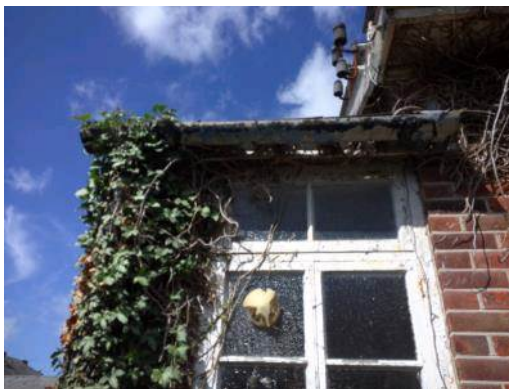
Sample 21: Building 135. Roof Void. Roof void.
Dust and debris to floor throughout roof void



Sample 23: Building 135. Roof Void. Roof void.
Cement debris to floor throughout roof void



Sample 27: Building 135. External. External.
Cement guttering and downpipe adjacent to room 002



Sample 28: Building 135. External. External.
Typical gasket to external pipework joints to rear
and right hand side of building



APPENDIX 5 - Marked Plans

Client: Homes & Communities Agency
Site: Building 135
HMS Daedalus
Broom Way
Lee on Solent
Hampshire
PO13 9YA

