



Airsafe Surveys Ltd

Demolition / Refurbishment Asbestos Survey Report

Comissioned By

Birtley House Group Ltd

Site Address

Kitchen, Wash Room & Prep Room

Birtley House

Birtley Rd

Bramley, GU5 0LB

Survey Conducted

27th July 2015

Survey Conducted By

Surveyors: A Porter & K Greenall CCP (Asbestos)

Report Production

Report Prepared by: A Porter

Date: 30th July 2015

Signature:



Report Proof-Read by: R Wren CCP (Asbestos)

Date: 30th July 2015

Signature:



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(*Survey Manager*)

CONTENTS

1.0 Executive Summary

1.1 – 1.3 Background

1.4 – 1.5 Scope & Purpose

1.6 – 1.9 Sources of Information

1.10 – 1.11 Presentation of Findings

1.12 Material Assessment Algorithm

1.13 CAR 2012 (expert regarding ACM removal)

2.0 References

Appendix A – Results of Laboratory Testing

Appendix B – Data Sheets

Appendix C – Summary of Findings

Appendix D – Plans

Asbestos Insulation (lagging / sprayed insulation)

- N/A

Asbestos Insulation Board

- N/A

Asbestos Cement Products

- N/A

Asbestos Textile Materials

- N/A

Asbestos Composite Materials

- N/A

Materials found to be NADIS (no asbestos detected in sample)

- B01: Kitchen, External – Boarding to canopy
- B02: Kitchen & Wash Room – Ceiling plaster above grid ceiling
- B03: Kitchen – Flooring beneath vinyl layer
- B04: Kitchen – Sink pad
- B05: Wash Room – Sink pad
- B06: Wash Room – Flooring beneath vinyl layer
- B07: Prep Room – Slate shelving

Areas excluded from the scope of this survey

- Voids beyond known or suspected asbestos containing materials were not accessed.
- Soil and land testing is not covered in the remit of this survey.
- All other areas of Birtley House.

Background

- 1.1 Asbestos has been used extensively in the building industry for over one hundred years and has proved to be an excellent product for a variety of uses, having many qualities such as insulation, fire and chemical resistance. Its suitability across a wide range of uses and its relatively cheap cost made it very popular, with over 3,000 different asbestos products having been recorded.
- 1.2 The use of asbestos containing materials (ACM's) was most prevalent between the 1950's and 1970's when it provided an economic, easy to use and versatile material. Unfortunately, given the constitution and make up of asbestos it can give rise to microscopic airborne fibres being released into the working environment. The fibres have carcinogenic properties, which, when inhaled can lodge in the lining of the lungs causing disease and death.
- 1.3 For this reason the use of asbestos has receded and its use in buildings was eventually banned in 1999. Despite its ban, millions of tonnes of ACM's are still present in properties and buildings throughout the UK.

Scope and Purpose

- 1.4 Birtley House Group Ltd has commissioned Airsafe Surveys Ltd to undertake a Demolition / Refurbishment Asbestos Survey of Kitchen, Wash Room & Prep Room at Birtley House, Birtley Rd, Bramley, GU5 0LB. The aim of the survey was to locate and identify the presence of ACM's or suspected ACM's, as far as is reasonably practicable. This report provides a record and assessment of the extent and characteristics of ACM's. It is assumed that all ACMs identified will be removed to enable demolition / refurbishment, therefore priority assessment scores are not given.
- 1.5 This type of survey employs the use of destructive sampling techniques of an unfamiliar site. Although every effort is made to locate all asbestos containing materials, it cannot be ruled out that undiscovered ACMs may be present in inaccessible areas due to the way that ACMs were used during construction. Therefore we cannot give assurances that all asbestos containing materials have been located and as such we recommend that further sampling be undertaken, should any suspect material become accessible during the course of any demolition / refurbishment works.

Site Description & Survey Purpose

The areas surveyed consist of the kitchen, washroom and prep room only. These areas are to undergo refurbishment.

Sources of Data

Background Information

- 1.6 No background information was available concerning the location of asbestos-containing materials within the buildings on the site.

Inspection, sampling and testing

- 1.7 Airsafe Surveys Ltd carried out a visual inspection of the buildings. The purpose of the inspection was to identify locations where the presence of asbestos is suspected, and to make arrangements for the recovery and testing of representative samples, where practicable. The inspection also enabled informed judgements to be made about the likelihood of asbestos being present in situations where samples could not be recovered.
- 1.8 Based on the findings of the visual inspection, representative bulk samples of materials suspected of containing asbestos were recovered. During the sampling process, care was taken to verify that the recovered samples were representative of the situation and the medium in which asbestos contamination was suspected. The sampling protocol that was used is as specified in HSG264 (Asbestos: The Survey Guide), published by the Health & Safety Executive.
- 1.9 The recovered samples were subsequently examined by Airsafe Analytical Ltd (UKAS number: 4376) to establish their asbestos content, in accordance with their in-house procedures and HSG248 (Asbestos: The analysts' guide for sampling, analysis and clearance procedures), published by the Health & Safety Executive. The analysis certificate is presented in Appendix A.

Presentation of Findings

Data Sheets

- 1.10 A series of data sheets provide assessments and recommendations for each of the locations where samples were taken. These data sheets are presented in Appendix B. The information in the data sheets is summarised in Appendix C.

Plans

- 1.11 Asbestos location plans presented in Appendix D if supplied by client at the time of the survey, shows the locations of all materials found to contain Asbestos (ACM's). Additionally areas of no access, if applicable, will be highlighted on the plans.

Material Assessment Algorithm

- 1.12 A material assessment algorithm for potential of fibre release has been carried out for all asbestos materials found, based on their product type, condition (extent of damage/deterioration), surface treatment and asbestos type. The method adopted is as described below;

Sample Variable	Score	Examples of scores
Product Type (or debris from product)	1	Asbestos-reinforced composites (plastics, resins, mastics, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement etc.).
	2	AIB, millboards, other low-density insulation boards, asbestos textiles, gaskets, ropes & woven textiles, asbestos paper & felt.
	3	Thermal insulation (e.g. pipe & boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses & packing.
Extent of Damage / Deterioration	0	Good Condition
	1	Low Damage
	2	Medium Damage
	3	High Damage
Surface Treatment	0	Composite materials (reinforced plastics, resins, vinyl tiles)
	1	Enclosed sprays & lagging, AIB (with exposed face painted or encapsulated), asbestos cement
	2	Unsealed AIB, or encapsulated lagging & sprays
	3	Unsealed lagging & sprays
Asbestos Type	1	Chrysotile
	2	Amphibole asbestos excluding crocidolite
	3	Crocidolite
Score		Potential to release fibres
10 or more		High
7 – 9		Medium
5 – 6		Low
4 or less		Very Low

Control of Asbestos Regulations

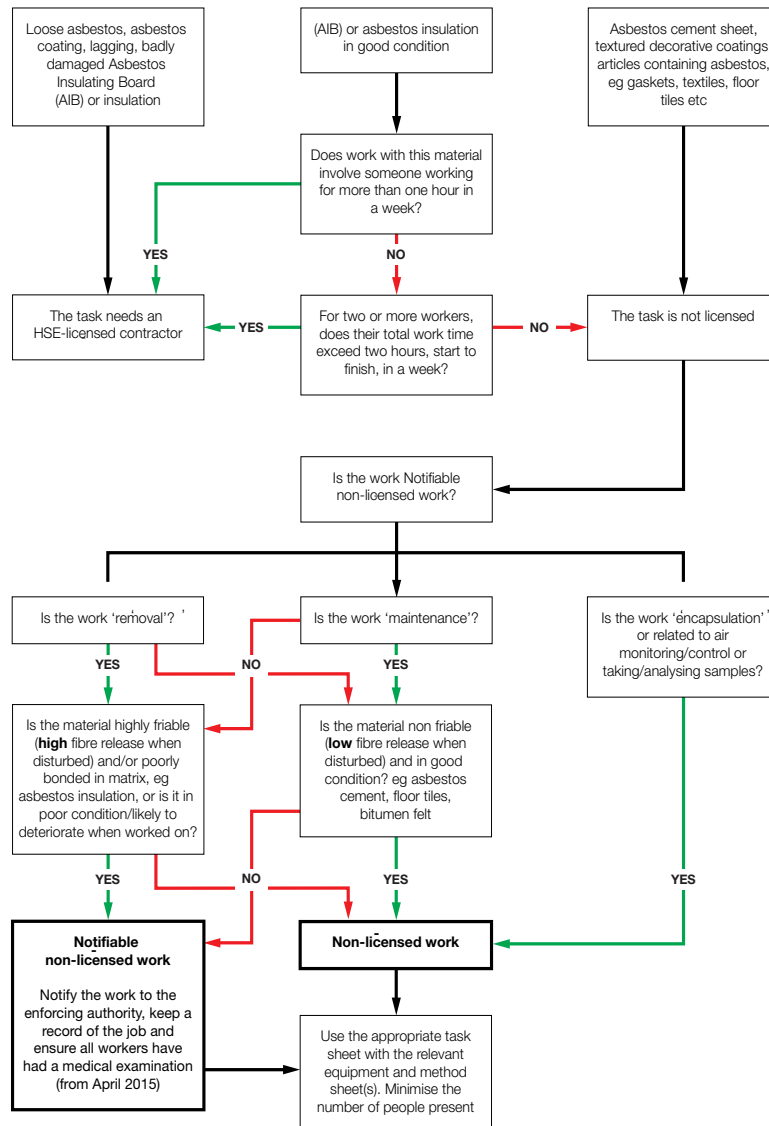
1.13 The Control of Asbestos Regulations 2012 (CAR) applies to most work situations involving risk of exposure to asbestos. CAR requires that employers:

- Take all reasonable steps to identify the locations of materials likely to contain asbestos.
- Assume that the identified materials contain asbestos, unless there is evidence to the contrary.
- Keep an up to date written record (an **Asbestos Register**) of the location of asbestos-containing materials.
- Monitor the condition of asbestos-containing materials.
- If any remedial / removal works are required it should be determined whether the work is licensed, notifiable non-licensed or non-licensed. This has to be determined in each case and will depend on the type of work being carried out, the type of material and its condition (as shown in the decision flow chart below).
 - Some non-licensed work needs to be notified to the relevant enforcing authority.
 - Brief written records should be kept of non-licensed work, which has to be notified e.g. copy of the notification with a list of workers on the job, plus the level of likely exposure of those workers to asbestos. This does not require air monitoring on every job, if an estimate of degree of exposure can be made based on experience of similar past tasks or published guidance.
 - By April 2015, all workers / self-employed carrying out notifiable non-licensed work with asbestos must be under health surveillance by a Doctor. Workers who are already under health surveillance for licensed work need not have another medical examination for non-licensed work. BUT medicals for notifiable non-licensed work are not acceptable for those carrying out licensed work
- Make a written assessment of the risk of exposure from asbestos.
- The Regulations require mandatory training for anyone liable to be exposed to asbestos fibres at work. This includes maintenance workers and others who may come into contact with or who may disturb asbestos as well as those involved in asbestos removal work.
- Prepare and implement a **management plan** to control asbestos-related health risks, including measures to ensure that:
 - Materials known or presumed to create a risk of exposure to asbestos is repaired or, if necessary removed.

- Materials known or presumed to contain asbestos, but which does not pose a risk of exposure, are maintained in a good state of repair.
- Information about the location and condition of materials known or presumed to contain asbestos are given to anyone likely to disturb them.

Decision flow chart

Use this simple flow chart to help you decide who needs to do the work:



2.0 REFERENCES

- (1) HSG264 Asbestos: The Survey Guide**
HSE Books
- (2) HSG248 Asbestos: The analysts ' guide for sampling, analysis and clearance procedures.**
Methods for the Determination of Hazardous Materials, HSE Books
- (3) HSG227 A Comprehensive Guide to Managing Asbestos in Premises**
HSE Books
- (4) The Control of Asbestos Regulations 2012**
- (5) Working with materials containing Asbestos**
Approved Code of Practice (CAR 2012)

Appendix A

Results of Laboratory Testing
(Bulk Sample Identification Certificates)

Certificate of Analysis

Job Number :	AA5909	Date :	31/07/15	Analyst :	AP
Name & Address of Client :			Site Address :		
Birtley House Group Ltd			Kitchen refurb area		
Birtley House			Birtley House		
Birtley Road			Birtley Road		
Bramley			Bramley		
Postcode :	GU5 0LB	Tel :		Postcode :	GU5 0LB
Date Samples Taken :	27/07/15	Certificate Number :	1 of 1		
Date Samples Received :	27/07/15	Total Number of Samples :	7		
Date of Analysis :	30/07/15	Clients Representative :	Tim Whalley		


Samples collected by the client are evaluated using information provided by the client at the time of delivery. Airsafe Analytical Limited are not responsible for the accuracy and / or competence of the sampling by third parties. Under these circumstances Airsafe Analytical Limited cannot be held responsible for the interpretation of the results shown.

All samples of material, detailed below, have been examined to determine the presence of Asbestos fibres using Polarised Light Microscopy and the McCrone Dispersion Staining Technique in accordance with Airsafe Analytical Limited's documented "in-house" procedures which are based on the HSE's guidance note HSG248 - Asbestos: The Analysts' guide for sampling analysis and clearance procedures.

AA Sample Reference	Client Sample Number	Sample Description / Material Type	Fibre Type Detected
B01		External canopy	NADIS
B02		Ceiling plaster	NADIS
B03		Flooring	NADIS
B04		Sink pad	NADIS
B05		Sink pad	NADIS
B06		Flooring	NADIS
B07		Shelving	NADIS

NADIS = No Asbestos Detected In Sample

All samples will be retained by the laboratory for a minimum of 6 months from the date the samples were received.

Analyst Name :	R. WREN	Date :	31/07/15	Time :	1247
Signature :					
ISSUE NUMBER	4	DATE	JAN 2014		

This Certificate may only be reproduced in FULL and with the written authority of the issuing laboratory.

Appendix B

Data Sheets



Material Sampled: Boarding to canopy

Analysis Result: **No Asbestos Detected**
Approximate Quantity:
Product Type:
Condition:
Surface Treatment:

Material Assessment Score: **0**

Remarks / Recommendations:



Material Sampled: Plaster ceiling above grid ceilings

Analysis Result: **No Asbestos Detected**
Approximate Quantity:
Product Type:
Condition:
Surface Treatment:

Material Assessment Score: **0**

Remarks / Recommendations:



Material Sampled: Flooring beneath vinyl layer

Analysis Result: **No Asbestos Detected**
Approximate Quantity:
Product Type:
Condition:
Surface Treatment:

Material Assessment Score: **0**

Remarks / Recommendations:



Material Sampled: Sink pad

Analysis Result: No Asbestos Detected

Approximate Quantity:

Product Type:

Condition:

Surface Treatment:

Material Assessment Score: 0

Remarks / Recommendations:



Material Sampled: Sink pad

Analysis Result: No Asbestos Detected

Approximate Quantity:

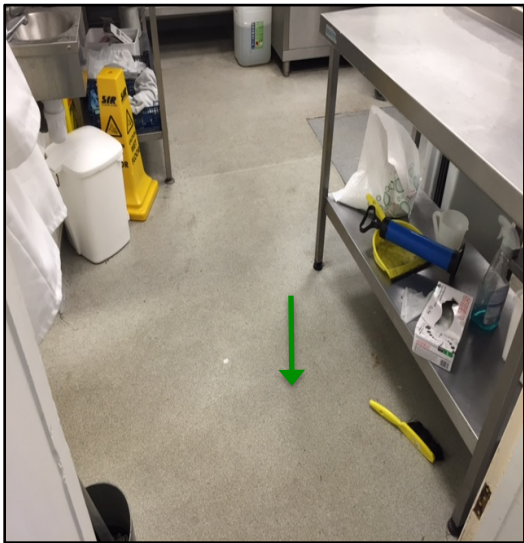
Product Type:

Condition:

Surface Treatment:

Material Assessment Score: 0

Remarks / Recommendations:



Material Sampled: Flooring beneath vinyl layer

Analysis Result: No Asbestos Detected

Approximate Quantity:

Product Type:

Condition:

Surface Treatment:

Material Assessment Score: 0

Remarks / Recommendations:



Material Sampled: Slate shelving

Analysis Result: **No Asbestos Detected**

Approximate Quantity:

Product Type:

Condition:

Surface Treatment:

Material Assessment Score: **0**

Remarks / Recommendations:

Appendix C

Summary of Findings

No	Location	Material Sampled	Asbestos Content	Quantity
B01	External, Rear of Kitchen	Boarding to canopy	No Asbestos Detected	N/A
B02	Kitchen & Wash Room	Plaster ceiling above grid ceilings	No Asbestos Detected	N/A
B03	Kitchen	Flooring beneath vinyl layer	No Asbestos Detected	N/A
B04	Kitchen	Sink pad	No Asbestos Detected	N/A
B05	Wash Room	Sink pad	No Asbestos Detected	N/A
B06	Wash Room	Flooring beneath vinyl layer	No Asbestos Detected	N/A
B07	Prep Room	Slate shelving	No Asbestos Detected	N/A

Appendix D

Asbestos Location Plan

N/A