Stephenson's Analytical Services Limited

PRE-REFURBISHMENT

ASBESTOS SURVEY AND REPORT



Site Surveyed:

Agricultural Barn
Wexcombe
Wilts, SN8 3SQ

On Behalf Of:	Charlie Woodhead	**Project Number:**	P-05632
Survey Date:	12th February 2021	**Re-Inspection Due Date:**	N/A

Stephenson's Analytical Services Limited | Unit 918 Strongroom House
Site A1 North Road | Marchwood Ind Park | Marchwood | Southampton | SO45 6HE
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EXECUTIVE SUMMARY

*Use this section to update the **Asbestos Register** and develop the **Risk Assessment** prior to refurbishment works.*

Stephenson's Analytical Services Limited was requested to carry out a Pre-Refurbishment Survey to:

Agricultural Barn, Wexcombe, Wilts, SN8 3SQ

Location - Item	Product Type	Quantity	Unit	Accessibility	Extent of Damage	Surface Finish	Asbestos Type/s	Location No.	Item No.	Sample No.	Identification Type	Material Assessment Score	Recommended Action
Area 1 - Corrugate wall sheets	Asbestos cement)	130	m²	E	Medium Damage	Unsealed	**Chrysotile**	001	001	001	S	5 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
Area 1 - Corrugate roof sheets	Asbestos cement)	300	m²	E	High Damage	Unsealed	**Chrysotile**	001	002	001	As	6 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
Area 1 - Flashguards	Woven textile	<25	U	E	High Damage	Unsealed	**Chrysotile**	001	003	-	P	5 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.

Key: Accessibility: **E** = Easy; **M** = Medium; **D** = Difficult. Sample Type: **S** = Sampled; **AS** = As sample; **P** = Presumed; **SP** = Strongly Presumed; **NQ** = Non-Quantifiable **U** = Units; **Lm** = Liner meters.

Continued…

Location - Item	Product Type	Quantity	Unit	Accessibility	Extent of Damage	Surface Finish	Asbestos Type/s	Location No.	Item No.	Sample No.	Identification Type	Material Assessment Score	Recommended Action
Area 1 - Cement debris	Asbestos cement)	NQ	-	E	High Damage	Unsealed	**Chrysotile**	001	004	001	As	6 Low	**REMOVE** **Prior to** refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
Area 2 - Flat wall sheets	Asbestos cement)	<10	m²	E	High Damage	Unsealed	**Chrysotile**	002	005	002	S	6 Low	**REMOVE** **Prior to** refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
Area 2 - Corrugate roof sheets	Asbestos cement)	50	m²	M	High Damage	Unsealed	**Chrysotile**	002	006	003	S	6 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
Area 2 - Cement Rain-water goods sections	Asbestos cement)	3x2	Lm	E	Medium Damage	Unsealed	**Chrysotile**	002	007	004	S	5 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
Area 2 - Cement debris	Asbestos cement)	<10	m²	E	High Damage	Unsealed	**Chrysotile**	002	008	002	As	6 Low	**REMOVE** **Prior to** refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.

Key: Accessibility: **E** = Easy; **M** = Medium; **D** = Difficult. Sample Type: **S** = Sampled; **AS** = As sample; **P** = Presumed; **SP** = Strongly Presumed; **NQ** = Non-Quantifiable **U** = Units; **Lm** = Liner meters.

Continued…

Location - Item	Product Type	Quantity	Unit	Accessibility	Extent of Damage	Surface Finish	Asbestos Type/s	Location No.	Item No.	Sample No.	Identification Type	Material Assessment Score	Recommended Action
External, Area 1 - Cement Rain-water goods	Asbestos cement)	40	Lm	D	Medium Damage	Unsealed	**Chrysotile**	002	009	004	As	5 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
External, Area 1 - Cement Rain-water goods debris	Asbestos cement)	<10	m²	D	High Damage	Unsealed	**Chrysotile**	002	010	004	As	6 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.
External, Areas 1/2 - Cement debris	Asbestos cement)	NQ	-	D	High Damage	Unsealed	**Chrysotile**	002	011	001 003	As	6 Low	**REMOVE** prior to/as part of refurbishment works and in accordance with CAR 2012 - see *App (v)* for details.

Key: Accessibility: **E** = Easy; **M** = Medium; **D** = Difficult. Sample Type: **S** = Sampled; **AS** = As sample; **P** = Presumed; **SP** = Strongly Presumed; **NQ** = Non-Quantifiable
U = Units; **Lm** = Liner meters.

CONCLUSIONS AND ACTIONS

The following is intended to assist with the **scheduling of actions**.

It is a list of the areas and ACMs by recommended **priority of action** and states any areas that were not accessible at the time of the survey. If no ACMs* were located, this will also be stated.*

Areas Requiring Urgent Attention (Immediate action recommended – Prior to works):
Item 4: Area 1 - Cement debris
Item 5: Area 2 - Flat wall sheets
Item 8: Area 2 - Cement debris

Areas Requiring Attention (action recommended prior to or during refurbishment work):
Item 1: Area 1 - Corrugate wall sheets
Item 2: Area 1 - Corrugate roof sheets
Item 3: Area 1 - Flashguards
Item 6: Area 2 - Corrugate roof sheets
Item 7: Area 2 - Cement Rain-water goods sections
Item 9: External, Area 1 - Cement Rain-water goods
Item 10: External, Area 1 - Cement Rain-water goods debris
Item 11: External, Areas 1/2 - Cement debris

Areas of No Access (ACMs* presumed to be present until areas accessed and assessed):

N/A

Before commencing works to the planned areas and/or items, the dutyholder should now:

- Update the *Asbestos Register* with the findings and include in the *Asbestos Management Plan*;
- Create a *Risk Assessment* covering all areas of planned works where ACMs* have been noted;
- *Follow any recommended actions* for ACMs* that will be affected by the planned works;
- *Communicate the findings*, plans and subsequent actions to all relevant parties.

Further Comments and Important Advice
Any areas and/or items not specified in the requested scope of the survey (or included in the 'Areas of No Access') have not been inspected. See *App (iii) - 'Site Drawings'* for included areas.
In the case of a PRESUMED or STRONGLY PRESUMED item, you may wish to get a conclusive analysis carried out if access to this area is acquired during the refurbishment works (but prior to any work affecting the item).
If planned works are not commenced within 3 months, manage all ACMs* by regularly inspecting for signs of damage / deterioration.
Update the Asbestos Register following all actions taken. This should be treated as a live document.
Update the Asbestos Management Plan on completion of the works. This should be treated as a live document.

***Notes**:*
Live electrical/mechanical equipment has not been sampled unless otherwise stated in Appendix (i).
**ACM = Asbestos Containing Material*

GENERAL SITE & SURVEY INFORMATION INCLUDING SIGNATORY SHEET

Client Address	Instructing Party Address
Client Contact	**Instructing Party Contact**
Contact: Charlie Woodhead **Tel**:	**Contact**: Charlie Woodhead **Tel**:
Site Surveyed	**Surveying Company**
Agricultural Barn Wexcombe Wiltshire SN8 3SQ	Stephenson's Analytical Services Limited Unit 918 Strongroom House Site A1 North Road, Marchwood Ind Park Marchwood, Southampton SO40 4BL
Site Contact	**Surveying Company Contact**
Contact: Charlie Woodhead **Tel**:	**Contact**: Mr. Chris Anton **Tel**: 023 8087 9250
Report Details	**Dates**
Project No: P-05632 **Survey Type:** Pre-Refurbishment **Client Ref:** N/A	**Survey Date**: 12/02/2021 **Report Date:** 16/02/2021 **Re-Inspection Date:** N/A
Areas Included	**Exclusions Requested**
All areas at site. See *App (iii)* - Site Drawings.	N/A.
Surveyor(s) and Authorization	**Signature/s**
Surveyor(s): A Donnelly (Lead Surveyor) **Report authorized by:** C Anton BIOH CCP (Asbestos) **Date:** 16/02/2021	

INTRODUCTION

*This **survey** has the specific purpose of identifying ACMs for **removal, control or avoidance** both prior to and during planned refurbishment works.*

This survey report is the formal record of the asbestos pre-refurbishment survey and contains the information collected, at the time of the survey, on the presence and condition of suspected asbestos containing materials (ACMs).

Survey Type: Pre-Refurbishment			**Project Number: P-05632**
Approximate Building Age:	20th Century	**Building Construction:**	Steel frame
Building Use (of surveyed area):	Agricultural barn	**Roof Material:**	Cement sheet
Scope	Visual assessment, sampling and analysis. There will be intrusive work / disturbance, and may include accessing structural areas, between floors and walls and underground services.		
Purpose	Prior to planned refurbishment / demolition works, to locate and identify all Asbestos Containing Materials for removal, control or avoidance within a specific building area, (or within the whole premises), which could be damaged or disturbed during the planned works.		
Aims	To locate and record the location, extent and product type of any Asbestos Containing Materials. To inspect and record the accessibility, condition and surface treatment of any Asbestos Containing Materials. To determine and record the asbestos type of any Asbestos Containing Materials.		
Objective	To produce a report that can be used by the dutyholder to form the asbestos register so that the dutyholder can prepare the risk assessment and management plan in order to make decisions and judgements on the need for actions prior to the planned refurbishment works.		

A full and detailed description of the above scope, purpose, aims and objectives of the survey can be found in Appendix (iv) - '*Survey Details and Surveying Methods'*.

SAMPLE DETAILS AND PHOTOGRAPHS

*This section provides **detailed information and photographs** to assist in the location and identification of the areas and materials included within the survey.*

- Locations are numbered for ease of reference.
- Each location has an overview including a photograph and brief description.
- Suspect items observed within the locations are also numbered. These are items that were suspected of being 'Asbestos Containing Materials' (ACMs) during the survey.
- A separate entry with description, photograph, analysis result / surveyor assessment and recommendation are provided for each suspected ACM.

AREA 1				Location Overview	
Level:	Ground	**Location No**:	001	Were any suspect materials located?	**YES**
				If YES, was asbestos identified?	**YES**
				Cement sheets / Walls / Sampled / P/05632/S/001	
				Cement sheets / Ceiling/roof / As / P/05632/S/001	
				Flashguards / Electric fitting / Presumed / Presumed	
				Cement debris / Floor / As / P/05632/S/001	
				Green = non-asbestos	**Red** = contains asbestos
Floor:	Solid.				
Walls:	Low level block to corrugated cement sheets (**S/001**).				
Ceiling:	Corrugated Cement sheets (**As-001**) with plastic skylights.				
Other:	Unlagged steelwork. Flashguards within electric units (**Presumed**).				

CEMENT SHEETS				Item No:	001
Area:	Walls	**Location**:	Area 1	**Level**:	Ground
Product Type:	Asbestos cement			**Accessibility:**	Easy
Laboratory Ref:	**P/06632/S/001**			**Estimated Amount:**	130 m²
Asbestos Type/s:	Chrysotile	-	-		



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	2
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		5	
Potential to Release Fibres:		Low	

Notes: Item to be removed prior to/as part of refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.

Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CEMENT SHEETS					Item No:	002
Area:	Ceiling/Roof	**Location**:	Area 1		**Level**:	Ground
Product Type:	Asbestos cement			**Accessibility:**	Difficult	
Laboratory Ref:	**As - P/06632/S/001**			**Estimated Amount:**	300	m^2
Asbestos Type/s:	Chrysotile	-	-			

MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	3
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		6	
Potential to Release Fibres:		Low	



Notes: Significant moss damage to (external) roof. Item to be removed prior to/as part of refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: REMOVE

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.
Make this information available to relevant parties, e.g., contractors whose work may affect the area.

FLASHGUARDS					Item No:	003
Area:	Fitting	**Location**:	Area 1		**Level**:	Ground
Product Type:	Woven textile			**Accessibility:**	Difficult	
Laboratory Ref:	**Presumed**			**Estimated Amount:**	<25	units
Asbestos Type/s:	Chrysotile	-	-			

MATERIAL RISK ASSESSMENT

Product Type:	2	**Extent of Damage:**	1
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		5	
Potential to Release Fibres:		Low	



Notes: Item to be removed prior to/as part of refurbishment works.

Risks: Fibres will be released by abrading or cutting. Materials likely to degrade if exposed, becoming more friable with age.

Recommendations: REMOVE

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.
Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CEMENT DEBRIS					Item No:	004
Area:	Floor	**Location**:	Area 1		**Level**:	Ground
Product Type:	Asbestos cement			**Accessibility:**	Easy	
Laboratory Ref:	**As - P/06632/S/001**			**Estimated Amount:**	NQ	-
Asbestos Type/s:	Chrysotile	-	-			



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	3
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		6	
Potential to Release Fibres:		Low	

Notes: Item to be removed prior to refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.

Make this information available to relevant parties, e.g., contractors whose work may affect the area.

AREA 2				Location Overview
Level: Ground	**Location No**: 002	Were any suspect materials located?		**YES**
		If YES, was asbestos identified?		**YES**
		Cement sheet	Wall	Sampled	P/05632/S/002
		Cement sheets	Ceiling/roof	Sampled	P/05632/S/003
		Cement debris	Floor	As	P/05632/S/001
		Rain-water goods sections	Floor	Sampled	P/05632/S/004
		Green = non-asbestos		**Red** = contains asbestos	

Floor:	Solid.
Walls:	Brick/Block/with section of cement sheet (**S/002**).
Ceiling:	Cement sheets (**S/003**).
Other:	Unlagged steelwork. Modern electrics. Cement rain-water goods sections (**S/004**). Cement debris (**As-002**).

CEMENT SHEETS				Item No: 005
Area: Wall	**Location**: Area 2			**Level**: Ground
Product Type:	Asbestos cement		**Accessibility:**	Easy
Laboratory Ref:	**P/06632/S/002**		**Estimated Amount:**	<10 m²
Asbestos Type/s:	Chrysotile	-	-	

MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	3
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:	6		
Potential to Release Fibres:	Low		

Notes: Item to be removed prior to refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.

Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CEMENT SHEETS					Item No:	006
Area:	Ceiling/Roof	**Location**:	Area 2		**Level**:	Ground
Product Type:	Asbestos cement			**Accessibility:**	Medium	
Laboratory Ref:	**P/06632/S/003**			**Estimated Amount:**	<50	m^2
Asbestos Type/s:	Chrysotile	-	-			



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	3
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		6	
Potential to Release Fibres:		Low	

Notes: Significant moss damage to (external) roof. Item to be removed prior to/as part of refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.
Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CEMENT RAIN-WATER GOODS					Item No:	007
Area:	Item	**Location**:	Area 2		**Level**:	Ground
Product Type:	Asbestos cement			**Accessibility:**	Easy	
Laboratory Ref:	**P/06632/S/004**			**Estimated Amount:**	3x2m	Sections
Asbestos Type/s:	Chrysotile	-	-			



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	2
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		5	
Potential to Release Fibres:		Low	

Notes: Item to be removed prior to refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.
Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CEMENT SHEETS					Item No:	008
Area:	Floor	**Location**:	Area 2		**Level**:	Ground
Product Type:	Asbestos cement			**Accessibility:**	Easy	
Laboratory Ref:	**As - P/06632/S/002**			**Estimated Amount:**	<10	m^2
Asbestos Type/s:	Chrysotile	-	-			



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	3
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		6	
Potential to Release Fibres:		Low	

Notes: Item to be removed prior to refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.

Make this information available to relevant parties, e.g., contractors whose work may affect the area.

EXTERNAL				Location Overview
Level: External		**Location No**: 003	Were any suspect materials located?	**YES**



If YES, was asbestos identified?			**YES**
Cement sheets	Area 1 Walls	Sampled	P/05632/ S/001
Cement sheets	Area 1 Roof	As	P/05632/ S/001
Cement rain-water goods	Area 1 Roof	As	P/05632/ S/004
Cement rain-water goods debris	Floor	As	P/05632/ S/004
Cement sheets	Area 2 Wall section	Sampled	P/05632/ S/002
Cement sheets	Area 2 Roof	As	P/05632/ S/003
Cement debris	Floor	As	P/05632/ S/003

Green = non-asbestos **Red** = contains asbestos

Walls:	Block/Cement sheets to area 1 (**Sampled internally – S/001**). Cement sheet section to area 2 (**Sampled internally – S/002**).
Roof:	Cement sheets to area 1 roof (**Identified internally – As - 001**). Cement sheets to area 2 roof (**Sampled internally – S/003**).
Other:	Rain-water goods to area 1 **(As-004**). Rain-water goods debris to area 1 **(As-004**). Cement debris to area 2 **(As-003**).

CEMENT RAIN-WATER GOODS				Item No:	009
Area:	Roof line	**Location**:	Area 1	**Level**:	External
Product Type:	Asbestos cement			**Accessibility:**	Difficult
Laboratory Ref:	As - P/06632/S/004			**Estimated Amount:**	40 Lm
Asbestos Type/s:	Chrysotile	-	-		



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	2
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		5	
Potential to Release Fibres:		Low	

Notes: Item to be removed prior to/as part of refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.
Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CEMENT RAIN-WATER GOODS DEBRIS				Item No:	010
Area:	Roof line	**Location**:	Area 1	**Level**:	External
Product Type:	Asbestos cement			**Accessibility:**	Easy
Laboratory Ref:	As - P/06632/S/004			**Estimated Amount:**	<10 M^2
Asbestos Type/s:	Chrysotile	-	-		



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	3
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		6	
Potential to Release Fibres:		Low	

Notes: Item to be removed prior to refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: **REMOVE**

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.
Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CEMENT DEBRIS					Item No:	011
Area:	Floor	**Location**:	Area 1/2		**Level**:	External
Product Type:	Asbestos cement			**Accessibility:**	Medium	
Laboratory Ref:	**As - P/06632/S/001** **As - P/06632/S/003**			**Estimated Amount:**	NQ	-
Asbestos Type/s:	Chrysotile	-	-			



MATERIAL RISK ASSESSMENT

Product Type:	1	**Extent of Damage:**	3
Surface Treatment:	1	**Asbestos Type:**	1
Total Score:		6	
Potential to Release Fibres:		Low	

Notes: likely to be more debris in undergrowth and under leaf litter. Item to be removed prior to/as part of refurbishment works.

Risks: Likely to release increasing levels of fibres if abraded, hand sawn or worked on with power tools. Exposed surfaces and acid conditions will remove cement matrix.

Recommendations: REMOVE

Remove item prior to refurbishment works and in accordance with CAR 2012 - see *Appendix (v)* and HSE website for further details.

Make this information available to relevant parties, e.g., contractors whose work may affect the area.

CERTIFICATE OF ANALYSIS

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

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
office@envirochem.co.uk

Our Ref: J202998 FI: 4
Your Ref: P-05632
Date: 15/02/2021

Asbestos Fibre Identification Report

Client: Stephenson Analytical Services
Unit 918 Strongroom House, Site A1 North Road, Marchwood Industrial Park, Marchwood, Southampton, SO40 4BL.

Site Address: Agricultural Barn, Wexcombe, Marlborough, Wiltshire, SN8 3SQ

Sampled By: Stephenson Analytical Services

Date sampled/received: 12th February 2021

Date analysed: 15th February 2021

Analyst/s: Raphael Mirzaians

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

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' method (2.01) based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

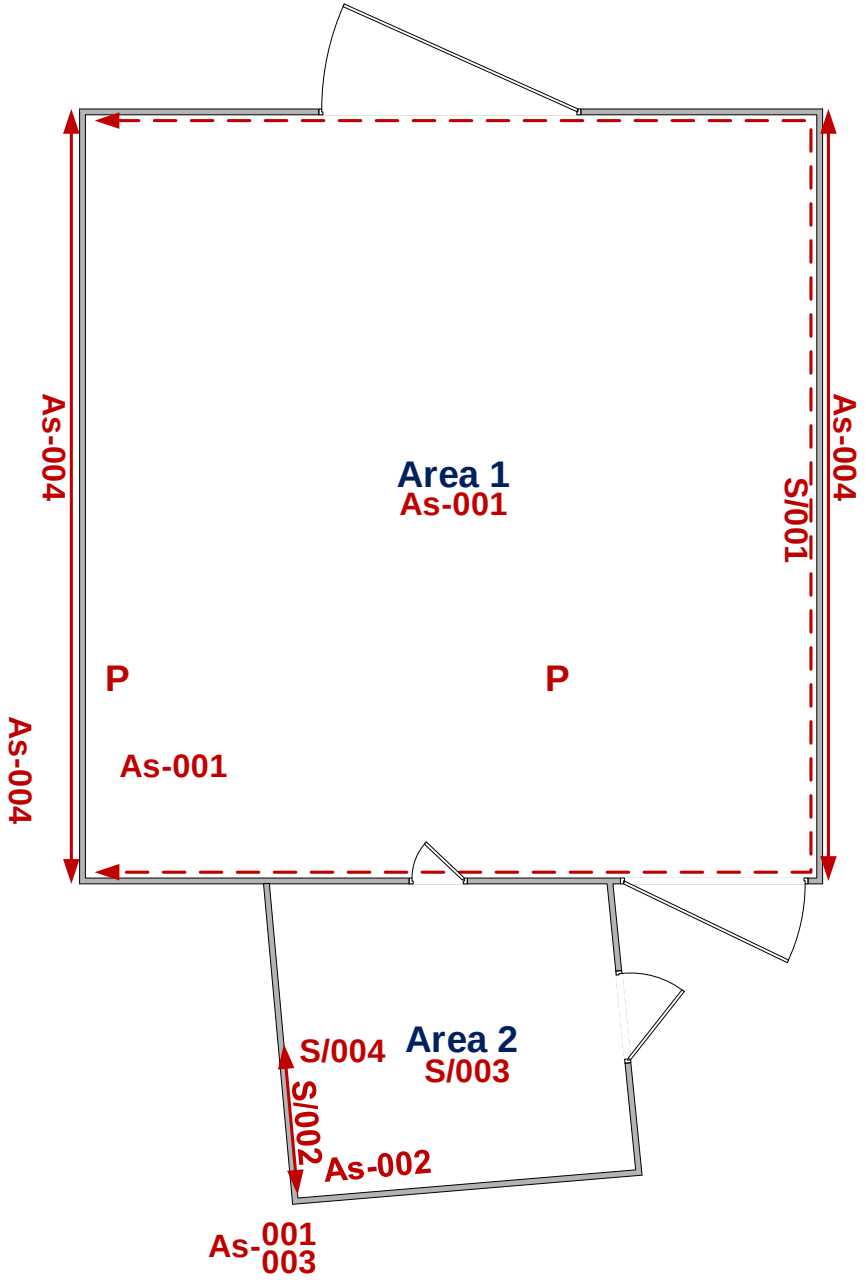
Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
S/001	BS655454	Cement Sheet	Yes	Chrysotile
S/002	BS655455	Cement Sheet	Yes	Chrysotile
S/003	BS655456	Cement Sheet	Yes	Chrysotile
S/004	BS655457	Rain Water Goods	Yes	Chrysotile

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. The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated and 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.
7. This report shall not be reproduced except in full, without written approval of Envirochem.

SIGNATURE: Authorised signatory PRINT NAME: Raphael Mirzaians

SITE DRAWINGS

(NOT TO SCALE)



Project Number	P-05632
Survey Type	Pre-Refurbishment
Site Address	Agricultural Barn, Wexcombe, Wilts SN8 3SQ
Client	Charlie Woodhead
Survey Date	12/02/2021
Plan(s)	1 of 1 (Not to scale)

Comments:
N/A.

Stephenson's Analytical Services Limited
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023 8087 9250
www.sas-asbestos.com
info@sasasbestos.co.uk

Key

ACM = ASBESTOS CONTAINING MATERIAL	
NAG	No Access Gained
S000	Sample point of ACM
S000	Sample point with NO ASBESTOS detected
As S000	Cross reference to sample point
P SP	Presumed or Strongly Presumed ACM

SURVEY DETAILS AND SURVEYING METHODS

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SCOPE OF WORK

- To survey the site through visual assessment, sampling and analysis. There will be intrusive work and disturbance, and this may include accessing structural areas, between floors and walls and underground services.

PURPOSE, AIMS AND OBJECTIVES OF THE SURVEY

- Prior to planned refurbishment and/or demolition works, to locate and identify all ACMs for removal, control or avoidance within a specific building area, (or within the whole premises), which could be damaged or disturbed during the planned works.
- To locate and record the location, extent and product type of any ACMs.
- To inspect and record the accessibility, condition and surface treatment of any ACMs.
- To determine and record the asbestos type of any ACMs.
- To produce a report that can be used by the dutyholder to form the asbestos register so that the dutyholder can prepare the risk assessment and management plan in order to make decisions and judgements on the need for actions prior to the planned refurbishment and/or demolition works.

LIMITATIONS

- This report only relates to the situation at the time of the site visit and cannot take into account subsequent changes in circumstances. Materials were sampled if, in the opinion of the Surveyor/s, there was probability that they may contain Asbestos.
- This report contains findings based upon visual inspection during the course of the survey; all reasonable efforts were made to identify the presence of materials containing Asbestos within the surveyed areas.
- The nature of this survey was a '*Pre-Refurbishment*' sampling and identification survey, as defined in the Health & Safety Executive publication HSG 264.
- Samples have not been taken where the act of sampling would endanger the Surveyor/s.
- Samples have not been taken where the act of sampling would affect the functional integrity of the item concerned, unless the item is covered in the scope of works.
- Bulk samples have been taken from materials which upon visual inspection appeared likely to contain asbestos.
- No responsibility can be taken for any misinterpretation of this report by third parties.

SURVEY METHOD

- This survey was by means of visual inspection and subsequent sampling of suspect bulk materials.
- Where the Surveyor/s suspected a material contained asbestos, a sample was taken for analysis. The samples were chosen as being representative of the material under investigation. Therefore, where there are visually similar areas, they should be regarded as being of uniform composition.

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SAMPLING STRATEGY

- The object of carrying out sampling is to identify the nature and extent of any visible asbestos bearing material.
- All sampling is undertaken in accordance with Stephenson's Analytical Services Limited in-house method, based on the HSE guidance note HSG 264, causing the minimum possible disruption and potential risk to the health of building occupants and visitors.
- Samples are analysed in a UKAS accredited laboratory, using stereo microscopy, polarised light microscopy and dispersion staining techniques.
- Areas of specific exclusion that have not been surveyed, or that a reliable degree of confidence cannot be gained of the homogeneity of the area through limited access, can be found in **Section 2** under "***Areas of No Access***"**.**

MATERIAL ASSESSMENT METHOD

- S.A.S. Ltd. provides an in-house numeric material risk assessment method. This takes into account the Product Type, Extent of Damage/Deterioration, Surface Treatments and Asbestos Type. The risk assessment concentrates on the likelihood of fibre release from Asbestos based materials.
- It may be useful, in particular situations, to undertake measurement of atmospheric fibre concentrations; these levels however, may be open to vast variations, dependent upon conditions and may well be below the concentration measurable using optical microscopic methods but still above local background environmental levels
- To achieve some form of standardisation of the action level (as this will vary according to the situation) the following guidelines have been adopted and are based upon a numerical rating given to the parameters that are considered while conducting the risk assessment. The addition of the scores from each of the parameters results in a number that falls into one of three possible risk categories.
- The following categories provide the four classifications of potential to release fibres used within this survey.

RECOMMENDED ACTIONS

A quantifiable assessment of the risk of fibre release has been made which considers all factors relevant to the item. Recommended action will normally involve removal, encapsulation or management as described below:

Removal of those items vulnerable to damage or in such poor condition that removal is the only practicable option or where refurbishment or demolition works are planned, such that these works will impinge on the Asbestos materials present and render such removal necessary.

Enclosure or Encapsulation (together with repair where necessary) where the material is in poor condition/vulnerable to damage, such that these works are necessary.

Management of the Asbestos materials present, (where these are not in poor condition and are not vulnerable to damage), by labelling, registering, periodic inspection, as necessary. Such management should be undertaken to comply with the employers' duty of care, required by the Control of Asbestos Regulations 2012 (see other sections for further such recommendations).

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NOTE: The higher the number, the higher the risk

10 OR MORE = HIGH

It is likely in situations with such a high rating that persons are currently being exposed to some level of Asbestos fibre contaminations. Situations with this category will warrant urgent consideration. In most circumstances, immediate plans for removal of the Asbestos concerned should be implemented, or at least the rapid sealing up of the affected area.

7 – 9 = MEDIUM

Situations within this category do not pose an imminent risk and the likelihood of fibre release is low under existing conditions. It would be most appropriate within this category to monitor the situation, as obvious deterioration will occur within the passage of time. It is recommended that situations within this category should be inspected on an annual basis to ascertain any change to circumstances.

5 – 6 = LOW

Situations within this category are of a low priority. It would be most appropriate within this category to monitor the situation, as obvious deterioration will occur within the passage of time. It is recommended that situations within this category should be inspected on an annual basis to ascertain any change to circumstances.

4 or Less = VERY LOW

Situations within this category are of a very low priority. The situation should be monitored based on an annual inspection cycle to ascertain any change in category.

MATERIAL ASSESSMENT KEY

Score	Product Type	Extent of Damage	Surface Finish	Asbestos Type
0		*Good condition* = no visible damage.	Composite materials containing Asbestos: reinforced plastics, resins, vinyl tiles.	
1	Asbestos reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semi-rigid paints, decorative finishes, Asbestos cement, etc).	*Low damage* = a few scratches or surface marks, broken edges of boards, tiles etc.	Enclosed sprays and lagging, Asbestos insulating board (with exposed face painted or encapsulated), Asbestos cement sheets, etc.	Chrysotile only.
2	Asbestos insulating board, (AIB), mill boards, other low-density insulation boards, Asbestos textiles, gaskets, ropes and woven textiles, Asbestos paper and felt.	*Medium damage* = significant breakage of materials or several small areas where material has been damaged revealing loose Asbestos fibre.	Unsealed Asbestos insulating board, or encapsulated lagging and sprays.	Amphibole Asbestos, (excluding Crocidolite), and Mixtures.
3	Thermal Insulation (e.g. pipe and boiler lagging), sprayed Asbestos, loose Asbestos, Asbestos mattresses and packing.	*High damage* or delamination of materials, spray and thermal insulation, visible debris.	Unsealed laggings and sprays.	Crocidolite and Mixtures that include Crocidolite or type unknown.

DEALING WITH ASBESTOS CONTAINING MATERIALS (ACMs)

DEALING WITH DEMOLITION OR MAJOR STRUCTURAL ALTERATION

If the building is due for demolition or major structural alteration current guidance requires removal of all Asbestos containing materials likely to be affected by such works. Where materials are suspected to be present and consist of or contain Asbestos, contractors should, (prior to commencing refurbishment works), first confirm the existence of such materials under controlled conditions. Such contractors must be licensed to work with Asbestos materials in accordance with the Control of Asbestos Regulations 2012.

ASBESTOS CONTAINING MATERIAL TYPES

DEALING WITH ASBESTOS CEMENT (AC)

Works on or removal of the Asbestos cement items should be carried out using precautions in accordance with the guidelines within the Health and Safety Executive guidance 'Asbestos Essentials', HSG210, 2012. These guidelines outline basic precautions that should be used to prevent fibre release during works, such as wetting of the materials before removal and preventing unauthorised persons from entering the work area. Using these guidelines, it is expected that Asbestos fibre levels would be low. While there is no requirement of these works to be undertaken by a contractor licensed to work with Asbestos, in practice it is unlikely that an unlicensed contractor will possess the necessary expertise or carry the necessary insurances to undertake such works properly.

DEALING WITH ASBESTOS INSULATING BOARD (AIB)

Works on or removal of Asbestos containing insulating board (AIB) will, in many cases, have to be carried out under controlled conditions by an HSE licensed contractor - licensed to work with Asbestos under the Control of Asbestos Regulations 2012. It should be noted that licensed Asbestos contractors, under the terms of their licence, have to notify the relevant authority of their intention to remove such items. A notification of such works is normally subject to a 14-day period, except for unusual or exceptional circumstances when the enforcing authority (either the Health and Safety Executive or local Environmental Health Department) may grant a waiver if there is immediate risk to health, i.e. an accident.

DEALING WITH ASBESTOS CONTAINING COMPOSITES

Works on or removal of the Asbestos containing composites (e.g. bitumen, plastic, resin or rubber) should be carried out using precautions in accordance with the guidelines within the Health and Safety Executive guidance 'Asbestos Essentials', HSG210, 2012. These guidelines outline basic precautions that should be used to prevent fibre release during works, such as wetting of the materials before removal and preventing unauthorised persons from entering the work area. Using these guidelines, it is expected that Asbestos fibre levels would be low. While there is no requirement of these works to be undertaken by a contractor licensed to work with Asbestos, in practice it is unlikely that an unlicensed contractor will possess the necessary expertise or carry the necessary insurances to undertake such works properly. ***NOTE*: Removal of flooring with an asbestos-paper backing will be notifiable non-licensed work (NNLW) - see 'Dealing with Asbestos Paper Lining'.**

DEALING WITH ASBESTOS PAPER LININGS

Works on or removal of the Asbestos Paper items should be carried out using precautions in accordance with the guidelines within the Health and Safety Executive guidance 'Asbestos Essentials', HSG210, 2012. These guidelines outline basic precautions that should be used to prevent fibre release during works, such as wetting of the materials before removal and preventing unauthorised persons from entering the work area. Due to the deterioration of the paper linings during removal the work will be notifiable non-licensed work (NNLW). A notification of such works is normally subject to a 14-day period, except for unusual or exceptional circumstances when the enforcing authority (either the Health and Safety Executive or local Environmental Health Department) may grant a waiver if there is immediate risk to health, i.e. an accident. While there is no requirement of these works to be undertaken by a contractor licensed to work with Asbestos, in practice it is unlikely that an unlicensed contractor will possess the necessary expertise or carry the necessary insurances to undertake such works properly.

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DEALING WITH ASBESTOS INSULATION

Works on or removal of Asbestos containing insulation will, in the majority of cases, have to be carried out under controlled conditions by an HSE licensed contractor - licensed to work with Asbestos under the Control of Asbestos Regulations 2012. It should be noted that licensed Asbestos contractors, under the terms of their licence, have to notify the relevant authority of their intention to remove such items. A notification of such works is normally subject to a 14-day period, except for unusual or exceptional circumstances when the enforcing authority (either the Health and Safety Executive or local Environmental Health Department) may grant a waiver if there is immediate risk to health, i.e. an accident.

DEALING WITH ASBESTOS TEXTURED COATINGS

Works on or removal of the Asbestos containing textured coatings, (e.g. decorative coatings and paints), should be carried out using precautions in accordance with the guidelines within the Health and Safety Executive guidance 'Asbestos Essentials' HSG210 2012. These guidelines outline basic precautions that should be used to prevent fibre release during works, such as wetting of the materials before removal and preventing unauthorised persons from entering the work area. Using these guidelines, it is expected that Asbestos fibre levels would be low. While there is no requirement of these works to be undertaken by a contractor licensed to work with Asbestos, in practice it is unlikely that an unlicensed contractor will possess the necessary expertise or carry the necessary insurances to undertake such works properly.

DEALING WITH ASBESTOS TEXTILES

Works on or removal of Asbestos-containing textile items should be carried out using precautions in accordance with the guidelines within the Health and Safety Executive guidance 'Asbestos Essentials', HSG210, 2012. Also see HSE 'Asbestos Essentials Task Sheets' 'A.33' and A.35'. These guidelines outline basic precautions that should be used to prevent fibre release during works, such as wetting of the materials before removal and preventing unauthorised persons from entering the work area. Due to the fibrous content and possible deterioration of the textiles during removal the work may be notifiable non-licensed work (NNLW). A notification of such works is normally subject to a 14-day period, except for unusual or exceptional circumstances when the enforcing authority (either the Health and Safety Executive or local Environmental Health Department) may grant a waiver if there is immediate risk to health, i.e. an accident. While there is no requirement of these works to be undertaken by a contractor licensed to work with Asbestos, in practice it is unlikely that an unlicensed contractor will possess the necessary expertise or carry the necessary insurances to undertake such works properly.

DEALING WITH ASBESTOS GASKETS AND ROPE SEALS

Works on or removal of Asbestos-containing gaskets and rope seals should be carried out using precautions in accordance with the guidelines within the Health and Safety Executive guidance 'Asbestos Essentials', HSG210, 2012. These guidelines outline basic precautions that should be used to prevent fibre release during works, such as wetting of the materials before removal and preventing unauthorised persons from entering the work area. If the gasket or seals are substantially broken up or damaged during removal then the work will be notifiable non-licensed work (NNLW). A notification of such works is normally subject to a 14-day period, except for unusual or exceptional circumstances when the enforcing authority (either the Health and Safety Executive or local Environmental Health Department) may grant a waiver if there is immediate risk to health, i.e. an accident. While there is no requirement of these works to be undertaken by a contractor licensed to work with Asbestos, in practice it is unlikely that an unlicensed contractor will possess the necessary expertise or carry the necessary insurances to undertake such works properly.

Referenced Resources and Useful Links	
Health and Safety Executive (HSE) 'Asbestos Health and Safety'	https://www.hse.gov.uk/asbestos/index.htm
Health and Safety Executive (HSE) 'Asbestos Essentials'	https://www.hse.gov.uk/asbestos/essentials/index.htm
legislation.gov.uk 'The Control of Asbestos Regulations (CAR) 2012'	https://www.legislation.gov.uk/uksi/2012/632/contents/made