

Project Number A-01764 (6146)

**Management
Asbestos Survey Report**

**Moorwell EP Shed
TR21 OJY**



Working in Partnership with Shield Services Group

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	1

Contents

Section	
1	Contacts & Authorisation
2	Executive Summary
3	Site Description & Survey Information
4	Positive and Presumed Photos Sheets
5	Negative Photos Sheets
6	Survey Objectives
7	Survey Techniques
8	Survey Caveat
9	Survey Notes
10	Material Assessment Algorithm
11	Certificates of Bulk Analysis
12	Site Plan

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	2



Section 1: Contact Details

Client Details:		Instructing Party:	
Council of the Isles of Scilly Town Hall St Marys Isles of Scilly TR21 0LW		Council of the Isles of Scilly Town Hall St Marys Isles of Scilly TR21 0LW	
Contact Name:	[REDACTED]	Contact Name:	[REDACTED]
Tel:	[REDACTED]	Tel:	[REDACTED]
	Fax: N/A		Fax: N/A

Site Address:		Report Author:	
Moorwell EP Shed TR21 0JY		Armour Analytical Services Unit 6 Guardian Street Industrial Estate Warrington WA5 1SJ	
Contact Name:	[REDACTED]	Contact Name:	[REDACTED]
Tel:	[REDACTED]	Mobile:	[REDACTED]
	Fax: N/A		

Lead Surveyor's Name:	Lead Surveyor's Authorising Signature:
David Kelly	[REDACTED]

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	3



Section 2: Executive Summary

Sample Number	Sample Type	Location	Analysis
DK/01	Roof Edging - Cement Product	External 001	Chrysotile
DK/02	Profiled Roof - Cement Product	External 002	Chrysotile
DK/03	Roof End Caps - Cement Product	External 003	Chrysotile
DK/04	Putty between Concrete Wall Sheets - PVC / Reinforced Plastics	External 004	Chrysotile

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

A.D – Asbestos Detected

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	4



Section 3: Site Description & Survey Information

Brief description on the general building construction

Concrete shed with a profiled cement roof.

Caveat for no access areas

N/A

EXTERNAL MATERIALS

Roof Type	Pitched
Roof Materials	Profiled Cement
Soffits	None
Fascia	Cement
Walls	Concrete
Verge Under cloaking	None
Guttering	Nonvisible
Downpipes	Nonvisible
Window/Door frames	Timber
Other Materials	N/A

INTERNAL MATERIALS

Loft Insulation	None
Roof Underlining	None
Ceilings	Profiled Cement
Walls <i>Internal</i>	Concrete
Floors	Concrete
Doors/Frames	Timber
Pipework/Insulation	None
Boxings	None
Boiler Make	None
Flue Pipes	None
Storage Heaters	None
Electrical Boxes/Machinery	Modern
Ducting/Risers	None
Stairs	None
Lift Shafts	None
Other Materials	N/A

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	5

Section 4: Positive and Presumed Photos Sheets

Item No:	1	Sample No:	DK/01
Location:	External - 001		



Material Description:	Roof Edging - Cement Product	
Identification:	Sampled - Asbestos Detected	
Approx. quantity:	4 LM	
Accessibility	Difficult	<i>Assessment Score</i>
Product type:	Cement	1
Extent of Damage:	Slight / minor damage	1
Surface Treatment:	Unsealed Cement	1
Asbestos type:	Chrysotile	1
Material Assessment Score:		4
Risk Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	6

Item No:	2	Sample No:	DK/02
Location:	External - 002		



Material Description:	Profiled Roof - Cement Product	
Identification:	Sampled - Asbestos Detected	
Approx. quantity:	16 m ²	
Accessibility	Difficult	<i>Assessment Score</i>
Product type:	Cement	1
Extent of Damage:	Slight / minor damage	1
Surface Treatment:	Unsealed Cement	1
Asbestos type:	Chrysotile	1
Material Assessment Score:		4
Risk Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

Item No:	3	Sample No:	DK/03
Location:	External - 003		



Material Description:	Roof End Caps - Cement Product	
Identification:	Sampled - Asbestos Detected	
Approx. quantity:	10 LM	
Accessibility	Difficult	<i>Assessment Score</i>
Product type:	Cement	1
Extent of Damage:	Slight / minor damage	1
Surface Treatment:	Unsealed Cement	1
Asbestos type:	Chrysotile	1
Material Assessment Score:		4
Risk Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	

Item No:	4	Sample No:	DK/04
Location:	External - 004		



Material Description:	Putty between Concrete Wall Sheets - PVC / Reinforced Plastics	
Identification:	Sampled - Asbestos Detected	
Approx. quantity:	Entire Building	
Accessibility	Difficult	<i>Assessment Score</i>
Product type:	Vinyl	1
Extent of Damage:	Moderate damage	2
Surface Treatment:	Non-friable	0
Asbestos type:	Chrysotile	1
Material Assessment Score:		4
Risk Assessment Score:		Negligible
Action:	Manage	
Comments:	N/A	



Section 5: Negative Photos Sheets

No negative items were found during this survey.

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	10



Section 6: Survey Objectives

Instructions were received from Serena Balkwill of Council of the Isles of Scilly to carry out a Management asbestos survey at Moorwell EP Shed, TR21 0JY in accordance with HSG264 and Armour Analytical's quality procedures.

The survey was carried out on 23 September 2022 by David Kelly with the objective of facilitating a Management report.

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

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

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	11



Section 7: Survey Techniques

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

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

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

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

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	12



Section 8: Survey Caveat

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

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

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

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

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

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

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

Inspection under floor slab is not included unless core hole sampling has been specifically requested.

This survey report is not a bill of quantities.

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	13



Section 9: Survey Notes

This report has been written with reference to the various Guidance Notes etc, issued, and current at the date of this report and describes circumstances at the site on the date the investigation took place.

Where similar items exist in the building, only one or two samples have been taken to ascertain the material content. It was assumed that similar products were of the same material.

Any person undertaking work within the buildings should be told of the presence of asbestos. This briefing also applies to any other person associated with the site, including staff, sub-contractors and others.

The drawings in the report are not to scale and are illustrative only to indicate approximate locations. The descriptions used are for location identification purposes.

All the recommendations described in this report are based upon assumptions made after consideration of the type of material, condition of the material, its location, analysis result and type of use the area is thought to be subjected to. However, statutory authorities or others could require amendments based on local knowledge, change in legislation, change in use or indeed other conditions or criteria.

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

Due to the artex being non-homogenous, it is recommended to treat all areas as containing asbestos if you have a positive sample of artex.

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	14



Section 10: Material Assessment Algorithm

Variable	Score	Examples
Product type	1	Vinyl, 'Bakelite', Cement, Textured Coating, Non-Friable Debris, Floor Tiles, Bitumen, Reinforced Plastics, Mastic (putty), Windowsills
	2	Asbestos Insulating Board, Paper, Rope, Burned Cement Debris, Flashguards, Gaskets
	3	Pipe Insulation, Spray Coating, Friable Debris, Loose Fill Asbestos
Condition / Damage	0	Good
	1	Slight / Minor Damage
	2	Moderate Damage – Breakage to Surface Treatment
	3	Major Damage – Smashed or Exposed Material
Surface Treatment	0	Non-Friable E.G. Vinyl
	1	Enclosed Insulation, Encapsulated AIB, Unsealed Cement, Woven Material, Paper
	2	Unsealed AIB, Encapsulated Insulation, Encapsulated Pipe Lagging
	3	Unsealed Insulation, Spray Coating, Unsealed Pipe Lagging
Asbestos Type	1	Chrysotile
	2	Amosite & Other Amphiboles
	3	Crocidolite

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

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

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	15

Section 11: Certificates of Bulk Analysis



Our Ref: J244867 Fl: 4
Your Ref: 6146
Date: 03/10/2022

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

Asbestos Fibre Identification Report

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

Site Address: Moorwell EP Shed, Isles of Scilly, Cornwall, TR21 0JY

Sampled By: Armour Analytical Services Ltd

Date sampled/received: 27th September 2022

Date analysed: 3rd October 2022

Analyst/s: Ewelina Kowalczyk Pariyar

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.

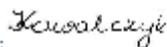
RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
DK/01	BS804646	External. Roof edging.	Yes	Chrysotile
DK/02	BS804647	External. Profiled roof.	Yes	Chrysotile
DK/03	BS804648	External. Roof end caps.	Yes	Chrysotile
DK/04	BS804649	External. Putty between concrete wall with panels.	Yes	Chrysotile

NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthrophyllite, 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.
8. Samples are retained for 6 months, report kept for 5 years from the date of authorisation of this report.

SIGNATURE:



Authorised signatory PRINT NAME: Ewelina Kowalczyk Pariyar

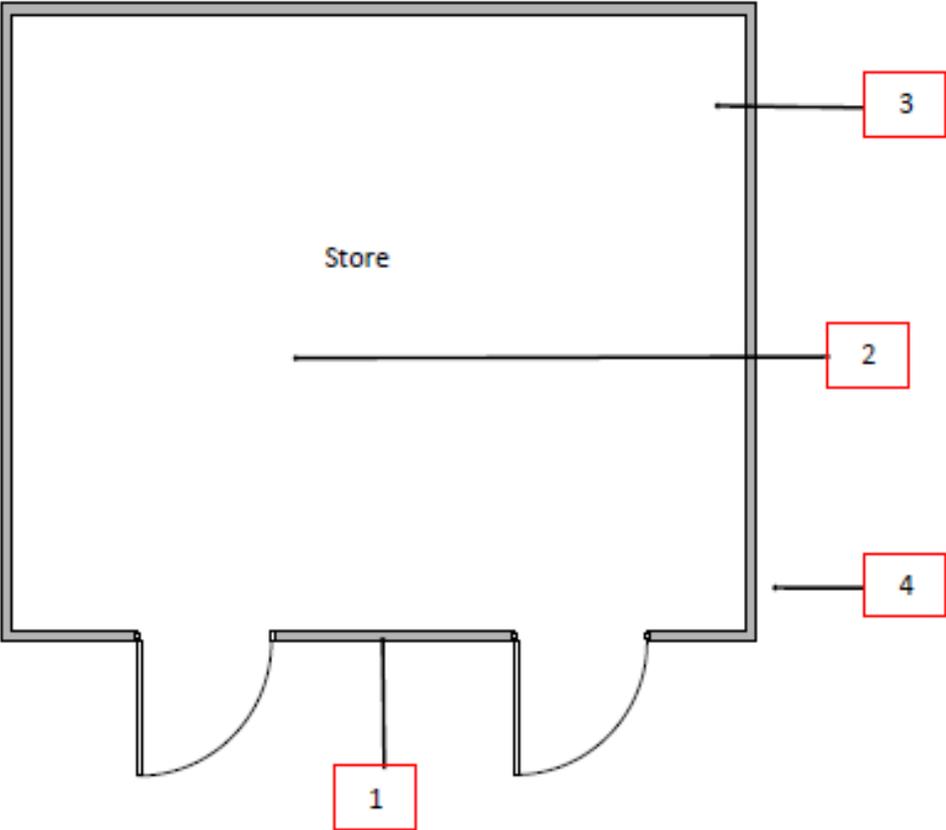
DATE AUTHORISED:
03/10/2022

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

Page 1 of 1

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	16

Section 12: Site Plan



Key	
	Visual Inspection
	Asbestos Detected (Positive Item)
	No Asbestos Detected (Negative Item)
	Presumed to Contain Asbestos
	Strongly Presumed to Contain Asbestos
	No Access

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	17



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

Checked by: Will Fyles

Date: 06/10/2022

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

Checked by: Kacey Lillis

Date: 05/10/2022

Report Compiled By

Armour Analytical Services Ltd, Unit 6, Guardian Street Industrial Estate,

Warrington, WA5 1SJ

Document Name	Author	Issued by	Revision Number	Issue Date	Page No
2022	David Kelly	Armour AS	0	05/10/2022	18