

ASBESTOS DEMOLITION SURVEY

LOCATION:

Hafod Industrial Estate Hafod Road LL14 6ET

SURVEYED ON:

25 Feb 2024

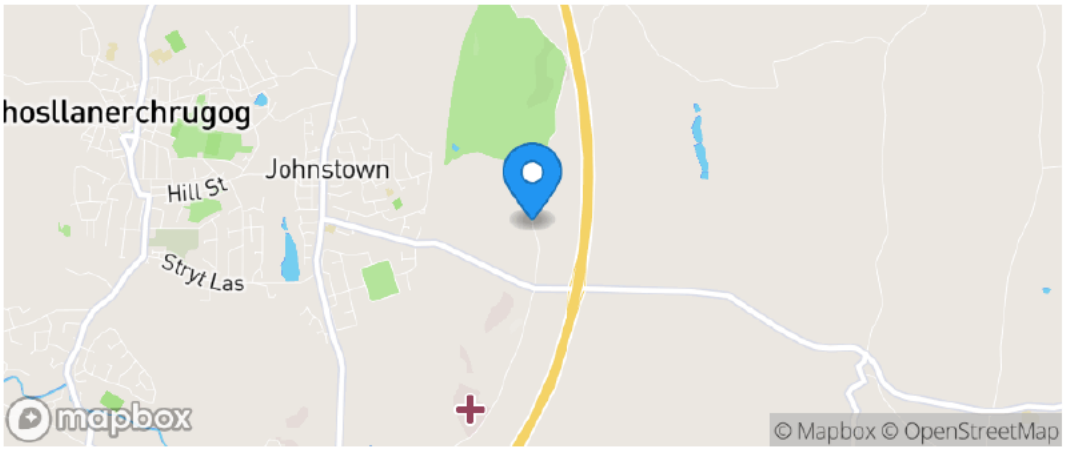
OUR REF:

RES 394

Rivington Environmental Services Ltd
01942 375565
admin@rivingtonenvironmental.co.uk

RIVINGTON ENVIRONMENTAL SERVICES

Report Details

Report By	Rivington Environmental Services Ltd
Client	ST Demolition & Groundwork Ltd
Project	RES 394
Site Address	Hafod Industrial Estate Hafod Road LL14 6ET
Site Coordinates	53.0074337, -3.0269535
Site Location	
Site Description	Western area of the site. Portal frame large shed, attached brick built building and smaller concrete and brick buildings to the rear of the portal frame shed
Scope of Work	Demolition survey
Purpose of Survey	Locate the presence of and extent of any suspect acms within the building that could be damaged or disturbed during planned demolition works
Surveyors	Rick Bradbury
Survey Dates	25 Feb 2024
QC Date	28 Feb 2024

Totals

An overview of the data collected on site, during the survey

Very Low	Low	Medium	High
11	4	1	0

Table of Contents

Sign Off 4

Introduction 4

Executive Summary 4

Agreed Exclusions and Caveats 4

- Variations to Scope 4
- Summary of Asbestos-Containing Materials 5
- Summary of Non-Asbestos-Containing Materials 6
- Summary of Locations or Items of Limited Access 7

Register 8

Inspected Locations and Items 10

Inspection Photographs 13

Appendices 40

- Bulk Sample Test Certificates 40
- Types of Asbestos Survey 42
- Material Assessment Scores 43
- Asbestos Materials 44

Sign Off

Quality Control
Rick Bradbury
28th Feb 2024



Introduction

This survey was conducted in accordance with **HSG 264 (Asbestos: The Survey Guide)**. Rivington Environmental Services Ltd cannot accept any liability for loss, injury, damage or penalty issues that arise for reasons of survey scope limitations. Rivington Environmental Services Ltd cannot be held responsible for asbestos potentially present in areas of the building not explicitly specified within the client instruction, not indicated on provided site plans or not physically possible to access. Rivington Environmental Services Ltd cannot be held responsible for any damage caused as part of this survey carried out on your behalf. Due to the nature and necessity of sampling for asbestos some damage is unavoidable and will be limited to that necessary for taking of the samples.

Executive Summary

Agreed Exclusions and Caveats

Electrical room to rear of steel portal frame building. Area under marshy land flooding.

Variations to Scope

All areas within scope were accessed during the survey

Summary of Asbestos-Containing Materials

These suspected materials were assessed as **asbestos-containing**.

Building / Level / Location	Item	Material	Material Score	Recommendation	Page
Hafod Industrial Estate / 0 / Rear of shed under canopy brick structure	Roof covering	Felt	3 Very Low	Removal by trained operatives	15
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed	Ridge tiles	Cement	4 Very Low	Removal by trained operatives	18
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed	Roof sheets	Cement	4 Very Low	Removal by trained operatives	19
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed.	Ceiling board	Insulating board	7 Medium	Removal by licensed contractor	22
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris mound	Cement	5 Low	Removal by trained operatives	32
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris pile	Cement	5 Low	Removal by trained operatives	30
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris pile	Cement	5 Low	Removal by trained operatives	31
Hafod Industrial Estate / 0 / Steel portal frame shed	Fascia board	Cement	4 Very Low	Removal by trained operatives	23
Hafod Industrial Estate / 0 / Steel portal frame shed	Gutters	Cement	4 Very Low	Removal by trained operatives	24
Hafod Industrial estate / 0 / Steel portal frame shed	Pipework	Gaskets	3 Very Low	Removal by trained operatives	29

table continued from previous page...

Building / Level / Location	Item	Material	Material Score	Recommendation	Page
Hafod Industrial Estate / 0 / Steel portal frame shed	Rear loading bay wall and canopy roof sheets	Cement	4 Very Low	Removal by trained operatives	25
Hafod Industrial Estate / 0 / Steel portal frame shed	Roof sheets	Cement	3 Very Low	Removal by trained operatives	26
Hafod Industrial Estate / 0 / Steel portal frame shed	Side wall sheets	Cement	4 Very Low	Removal by trained operatives	27
Hafod industrial estate / 0 / Steel portal frame shed	Wall sheets	Cement	3 Very Low	Removal by trained operatives	28
Hafod Industrial estate / 0 / Steel portal frame shed external	Gutter	Cement	4 Very Low	Removal by trained operatives	37
Hafod Industrial Estate / 0 / Steel portal frame shed various areas	Debris to floor	Cement	5 Low	Removal by trained operatives	39

Summary of Non-Asbestos-Containing Materials

These suspected materials were assessed as **non-asbestos-containing**.

Building / Level / Location	Item	Material	Page
Hafod Industrial Estate / 0 / Steel portal frame shed	Insulation to large pipework to kiln roofs	Mmmf insulation	33

Summary of Locations or Items of Limited Access

These locations or items could not be fully accessed during survey. Asbestos should be presumed to be present until a further assessment can be undertaken. Note that the survey scope may exclude other areas - see **Report Details (p. 2)** and **Variations to Scope (p. 4)**.

Building / Level / Location	Inspect	Access / Notes	Photo 1	Photo 2	Page
Hafod industrial estate / 0 / Rear of steel portal frame shed electrical room	Location	No Access / Flooding			16

Register

Building / Level / Location	Item	Material	Strategy / Sample Id	Extent	Fibre Type	Product Type	Extent of Damage	Surface Treatment	Material Score	Recommendation	Page
Hafod Industrial Estate / 0 / Rear of shed under canopy brick structure	Roof covering	Felt	Sample 6	30m2	Chrysotile	1	1	0	3 Very Low	Removal by trained operatives	15
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed	Ridge tiles	Cement	Strongly Presume 1	50 linear metres	Chrysotile	1	1	1	4 Very Low	Removal by trained operatives	18
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed	Roof sheets	Cement	Strongly Presume 1	600m2	Chrysotile	1	1	1	4 Very Low	Removal by trained operatives	19
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed.	Ceiling board	Insulating board	Sample 7	60m2	Amosite and Chrysotile	2	1	2	7 Medium	Removal by licensed contractor	22
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris mound	Cement	Sample 4	Presumed throughout mound of debris	Chrysotile	1	2	1	5 Low	Removal by trained operatives	32
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris pile	Cement	Sample 3	Not quantified	Chrysotile	1	2	1	5 Low	Removal by trained operatives	30
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris pile	Cement	Strongly Presume 3	Approx 4 tonne	Chrysotile	1	2	1	5 Low	Removal by trained operatives	31
Hafod Industrial Estate / 0 / Steel portal frame shed	Fascia board	Cement	Strongly Presume 1	72 linear metres	Chrysotile	1	1	1	4 Very Low	Removal by trained operatives	23
Hafod Industrial Estate / 0 / Steel portal frame shed	Gutters	Cement	Strongly Presume 1	120 linear metres x 2	Chrysotile	1	1	1	4 Very Low	Removal by trained operatives	24

table continued from previous page...

Building / Level / Location	Item	Material	Strategy / Sample Id	Extent	Fibre Type	Product Type	Extent of Damage	Surface Treatment	Material Score	Recommendation	Page
Hafod Industrial estate / 0 / Steel portal frame shed	Pipework	Gaskets	Sample 2	To flanges of pipework	Chrysotile	1	1	0	3 Very Low	Removal by trained operatives	29
Hafod Industrial Estate / 0 / Steel portal frame shed	Rear loading bay wall and canopy roof sheets	Cement	Strongly Presume 1	150m2	Chrysotile	1	1	1	4 Very Low	Removal by trained operatives	25
Hafod Industrial Estate / 0 / Steel portal frame shed	Roof sheets	Cement	Sample 1	5500m2	Chrysotile	1	1	0	3 Very Low	Removal by trained operatives	26
Hafod Industrial Estate / 0 / Steel portal frame shed	Side wall sheets	Cement	Strongly Presume 1	120m2	Chrysotile	1	1	1	4 Very Low	Removal by trained operatives	27
Hafod industrial estate / 0 / Steel portal frame shed	Wall sheets	Cement	Strongly Presume 1	70m2	Chrysotile	1	1	0	3 Very Low	Removal by trained operatives	28
Hafod Industrial estate / 0 / Steel portal frame shed external	Gutter	Cement	Strongly Presume 1	Not quantified within rubble pile to external	Chrysotile	1	1	1	4 Very Low	Removal by trained operatives	37
Hafod Industrial Estate / 0 / Steel portal frame shed various areas	Debris to floor	Cement	Strongly Presume 3	Throughout	Chrysotile	1	2	1	5 Low	Removal by trained operatives	39

Inspected Locations and Items

A summary of all locations and items inspected during the survey, including ACMs, non-ACMs and items & locations that could not be fully accessed.

Building / Level / Location	Item	Material	Access / Notes	Material Score	Recommendation	Page
Hafod Industrial Estate / 0 / 2no. brick buildings rear of portal frame shed	Brick walls. Concrete slab floor and roof. Non asbestos containing electrical units.					14
Hafod Industrial Estate / 0 / Rear of shed under canopy brick structure	Roof covering	Felt		3 Very Low	Removal by trained operatives	15
Hafod industrial estate / 0 / Rear of steel portal frame shed electrical room	No access. Marshy and flooded		No Access / Flooding			16
Hafod Industrial estate / 0 / Rear of steel portal frame shed under canopy structure	Quarry floor tiles. Stramit type roof. Brick walls.					17
Hafod industrial estate / 0 / Smaller brick built building adjacent steel portal frame shed	Tiled / concrete slab floor. Brick walls. Non asbestos electrical unit.					21
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed	Gutters and downpipes	Plastic				20
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed	Ridge tiles	Cement		4 Very Low	Removal by trained operatives	18
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed	Roof sheets	Cement		4 Very Low	Removal by trained operatives	19
Hafod Industrial Estate / 0 / Smaller brick built building adjacent steel portal frame shed.	Ceiling board	Insulating board		7 Medium	Removal by licensed contractor	22
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris mound	Cement		5 Low	Removal by trained operatives	32

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Building / Level / Location	Item	Material	Access / Notes	Material Score	Recommendation	Page
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris pile	Cement		5 Low	Removal by trained operatives	30
Hafod Industrial Estate / 0 / Steel portal frame shed	Debris pile	Cement		5 Low	Removal by trained operatives	31
Hafod Industrial Estate / 0 / Steel portal frame shed	Distribution/fuse boxes	Modern				34
Hafod Industrial Estate / 0 / Steel portal frame shed	Down pipe	Plastic				35
Hafod Industrial Estate / 0 / Steel portal frame shed	Fascia board	Cement		4 Very Low	Removal by trained operatives	23
Hafod Industrial Estate / 0 / Steel portal frame shed	Floor	Concrete slab				36
Hafod Industrial Estate / 0 / Steel portal frame shed	Gutters	Cement		4 Very Low	Removal by trained operatives	24
Hafod Industrial Estate / 0 / Steel portal frame shed	Insulation to large pipework to kiln roofs	Mmmf insulation		0 None		33
Hafod Industrial estate / 0 / Steel portal frame shed	Pipework	Gaskets		3 Very Low	Removal by trained operatives	29
Hafod Industrial Estate / 0 / Steel portal frame shed	Rear loading bay wall and canopy roof sheets	Cement		4 Very Low	Removal by trained operatives	25
Hafod Industrial Estate / 0 / Steel portal frame shed	Roof sheets	Cement		3 Very Low	Removal by trained operatives	26
Hafod Industrial Estate / 0 / Steel portal frame shed	Side wall sheets	Cement		4 Very Low	Removal by trained operatives	27
Hafod industrial estate / 0 / Steel portal frame shed	Wall sheets	Cement		3 Very Low	Removal by trained operatives	28
Hafod Industrial estate / 0 / Steel portal frame shed external	Gutter	Cement		4 Very Low	Removal by trained operatives	37

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Building / Level / Location	Item	Material	Access / Notes	Material Score	Recommendation	Page
Hafod Industrial Estate / 0 / Steel portal frame shed kiln	Concrete slab floor. Brick walls. Concrete roof.					38
Hafod Industrial Estate / 0 / Steel portal frame shed various areas	Debris to floor	Cement		5 Low	Removal by trained operatives	39

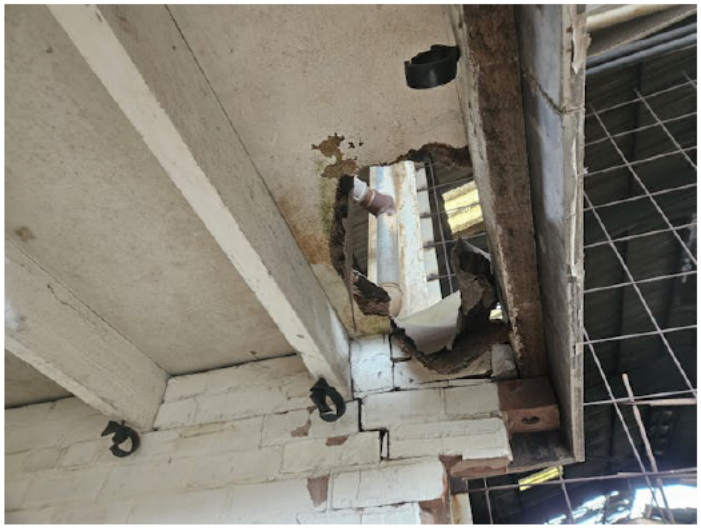
Inspection Photographs

See following pages for additional photographs,
notes and scores for inspected locations and items...

Hafod Industrial Estate > 0 > 2no. brick buildings rear of portal frame shed > Location Notes

Building	Hafod Industrial Estate	**Level**	0
Location	2no. brick buildings rear of portal frame shed	**Item**	
			
Location Notes	Brick walls. Concrete slab floor and roof. Non asbestos containing electrical units.		

Hafod Industrial Estate > 0 > Rear of shed under canopy brick structure > Roof covering

Building	Hafod Industrial Estate	**Level**	0
Location	Rear of shed under canopy brick structure	**Item**	Roof covering
Material	Felt	**Extent**	30m2
			
Strategy / Sample Id	Sample / 6	**Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	0	Asbestos Type	1
Material Score		3 / Very Low	

Hafod industrial estate > 0 > Rear of steel portal frame shed electrical room > Location Notes

Building	Hafod industrial estate	**Level**	0
Location	Rear of steel portal frame shed electrical room	**Item**	
			
Location Notes	No access. Marshy and flooded		
Access / Notes	No Access / Flooding		
General Comments	Once safe to enter conduct surveying prior to demolition		

Hafod Industrial estate > 0 > Rear of steel portal frame shed under canopy structure > Location Notes

Building	Hafod Industrial estate	**Level**	0
Location	Rear of steel portal frame shed under canopy structure	**Item**	
			
Location Notes	Quarry floor tiles. Stramit type roof. Brick walls.		

Hafod Industrial Estate > 0 > Smaller brick built building adjacent steel portal frame shed > Ridge tiles

Building	Hafod Industrial Estate	**Level**	0
Location	Smaller brick built building adjacent steel portal frame shed	**Item**	Ridge tiles
Material	Cement	**Extent**	50 linear metres
			
Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score		4 / Very Low	

Hafod Industrial Estate > 0 > Smaller brick built building adjacent steel portal frame shed > Roof sheets

Building	Hafod Industrial Estate	**Level**	0
Location	Smaller brick built building adjacent steel portal frame shed	**Item**	Roof sheets
Material	Cement	**Extent**	600m2
			
Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score		4 / Very Low	

Hafod Industrial Estate > 0 > Smaller brick built building adjacent steel portal frame shed > Gutters and downpipes

Building	Hafod Industrial Estate	**Level**	0
Location	Smaller brick built building adjacent steel portal frame shed	**Item**	Gutters and downpipes
Material	Plastic	**Extent**	





Hafod industrial estate > 0 > Smaller brick built building adjacent steel portal frame shed > Location Notes

Building	Hafod industrial estate	**Level**	0
Location	Smaller brick built building adjacent steel portal frame shed	**Item**	
			
Location Notes	Tiled / concrete slab floor. Brick walls. Non asbestos electrical unit.		

Hafod Industrial Estate > 0 > Smaller brick built building adjacent steel portal frame shed. > Ceiling board

Building	Hafod Industrial Estate	**Level**	0
Location	Smaller brick built building adjacent steel portal frame shed.	**Item**	Ceiling board
Material	Insulating board	**Extent**	60m2
			
Strategy / Sample Id	Sample / 7	**Fibre Type**	Amosite and Chrysotile
Recommendation	Removal by licensed contractor		

Material Assessment

Product Type (or Debris from Product)	2	Extent of Damage / Deterioration	1
Surface Type / Treatment	2	Asbestos Type	2
Material Score		7 / Medium	

Hafod Industrial Estate > 0 > Steel portal frame shed > Fascia board

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Fascia board
Material	Cement	**Extent**	72 linear metres
			
Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score		4 / Very Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Gutters

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Gutters
Material	Cement	**Extent**	120 linear metres x 2
			
Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score		4 / Very Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Rear loading bay wall and canopy roof sheets

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Rear loading bay wall and canopy roof sheets
Material	Cement	**Extent**	150m2
			
Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score		4 / Very Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Roof sheets

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Roof sheets
Material	Cement	**Extent**	5500m2
			
Strategy / Sample Id	Sample / 1	**Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	0	Asbestos Type	1
Material Score		3 / Very Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Side wall sheets

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Side wall sheets
Material	Cement	**Extent**	120m2
			
Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score		4 / Very Low	

Hafod industrial estate > 0 > Steel portal frame shed > Wall sheets

Building	Hafod industrial estate	**Level**	0
Location	Steel portal frame shed	**Item**	Wall sheets
Material	Cement	**Extent**	70m2
			
Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	0	Asbestos Type	1
Material Score		3 / Very Low	

Hafod Industrial estate > 0 > Steel portal frame shed > Pipework

Building	Hafod Industrial estate	**Level**	0
Location	Steel portal frame shed	**Item**	Pipework
Material	Gaskets	**Extent**	To flanges of pipework
			
Strategy / Sample Id	Sample / 2	**Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	0	Asbestos Type	1
Material Score		3 / Very Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Debris pile

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Debris pile
Material	Cement	**Extent**	Not quantified
			
Strategy / Sample Id	Sample / 3	**Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	2
Surface Type / Treatment	1	Asbestos Type	1
Material Score		5 / Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Debris pile

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Debris pile
Material	Cement	**Extent**	Approx 4 tonne
			
Strategy / Sample Id	Strongly Presume / 3	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	2
Surface Type / Treatment	1	Asbestos Type	1
Material Score		5 / Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Debris mound

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Debris mound
Material	Cement	**Extent**	Presumed throughout mound of debris
			
Strategy / Sample Id	Sample / 4	**Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	2
Surface Type / Treatment	1	Asbestos Type	1
Material Score		5 / Low	

Hafod Industrial Estate > 0 > Steel portal frame shed > Insulation to large pipework to kiln roofs

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Insulation to large pipework to kiln roofs
Material	Mmmf insulation	**Extent**	Throughout kiln roof area
			
Strategy / Sample Id	Sample / 5	**Fibre Type**	NADIS

Hafod Industrial Estate > 0 > Steel portal frame shed > Distribution/fuse boxes

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Distribution/fuse boxes
Material	Modern	**Extent**	





Hafod Industrial Estate > 0 > Steel portal frame shed > Down pipe

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Down pipe
Material	Plastic	**Extent**	





Hafod Industrial Estate > 0 > Steel portal frame shed > Floor

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed	**Item**	Floor
Material	Concrete slab	**Extent**	





Hafod Industrial estate > 0 > Steel portal frame shed external > Gutter

Building	Hafod Industrial estate	**Level**	0
Location	Steel portal frame shed external	**Item**	Gutter
Material	Cement	**Extent**	Not quantified within rubble pile to external





Strategy / Sample Id	Strongly Presume / 1	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score		4 / Very Low	

Hafod Industrial Estate > 0 > Steel portal frame shed kiln > Location Notes

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed kiln	**Item**	
			
Location Notes	Concrete slab floor. Brick walls. Concrete roof.		

Hafod Industrial Estate > 0 > Steel portal frame shed various areas > Debris to floor

Building	Hafod Industrial Estate	**Level**	0
Location	Steel portal frame shed various areas	**Item**	Debris to floor
Material	Cement	**Extent**	Throughout
			
Strategy / Sample Id	Strongly Presume / 3	**Presumed Fibre Type**	Chrysotile
Recommendation	Removal by trained operatives		
General Comments	Litter pick prior to commencement of works within shed		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	2
Surface Type / Treatment	1	Asbestos Type	1
Material Score		5 / Low	

Appendices

Bulk Sample Test Certificates

See following pages...

TVS Analysis

Unit 821, Birchwood Boulevard, Birchwood, Warrington, Cheshire. WA3 7QZ
Telephone/Fax: (01925) 811622 E-mail: tvsanalysis@btconnect.com

2684

CERTIFICATE OF ASBESTOS FIBRE IDENTIFICATION.

Customer Name and Address: Rivington Environmental Services Ltd, 1st Floor, 45 Market Street, Westhougton, Bolton. BL5 3AG
Site Reference: Hafod Industrial Estate
Date Received: 26/02/24 & 27/02/24 Certificate Number: TVS/24/901
Date Analysed: 27/02/24 Analyst: N Tully

Sample Number		**Sample Location	*Description of Product	Content
Lab	Customer			
001	1	Roof Sheets	Cement	Chrysotile
002	2	Portal Frame Shed Pipework	Gasket	Chrysotile
003	3	Portal Frame Shed Debris	Cement	Chrysotile
004	4	Portal Frame Shed Mound Debris	Cement	Chrysotile
005	5	Portal Frame Shed Pipework above kilns	Insulation	No Asbestos Detected
006	6	Brick Built Building Ceiling	Insulating Board	Amosite Chrysotile
007	7	Portal Frame Rear Building Roof	Bituminous Felt	Chrysotile

Approved: Sig [redacted] **Date: 27/02/24**
(Issued)
Print: N Tully
(Approved Signatory)

Samples detailed above have been analysed qualitatively for asbestos by polarized light & dispersion staining as described in our in-house procedures (Appendix 1 of our 'Quality Manual Policy and Procedures'), based on the content of HSG 248 Appendix 2. The report shall not be reproduced except in full without our approval and the laboratory can provide assurances that parts of the report are not taken out of context. Results relate only to the items tested. *Description of Product is outside the scope of our UKAS accreditation. **TVS Analysis Ltd accepts no responsibility for errors which may have arisen during sampling or transportation of samples and cannot take responsibility for the accuracy, representative nature and location of samples taken by external customers.

Types of Asbestos Survey

HSG 264 (Asbestos: The Survey Guide) describes two types of survey:

Management Surveys

A management survey is the standard survey. Its purpose is to locate, as far as reasonably practicable, the presence and extent of any suspect ACMs in the building which could be damaged or disturbed during normal occupancy, including foreseeable maintenance and installation, and to assess their condition. Management surveys can involve a combination of sampling to confirm asbestos is present or presuming asbestos to be present.

Refurbishment and Demolition Surveys

A refurbishment and demolition survey is needed before any refurbishment or demolition work is carried out. This type of survey is used to locate and describe, as far as reasonably practicable, all ACMs in the area where the refurbishment work will take place or in the whole building if demolition is planned. The survey will be fully intrusive and involve destructive inspection, as necessary, to gain access to all areas, including those that may be difficult to reach. A refurbishment and demolition survey may also be required in other circumstances, eg when more intrusive maintenance and repair work will be carried out or for plant removal or dismantling.

Material Assessment Scores

Where ACMs have been identified or presumed, a material score is calculated in accordance with HSG 264 (Asbestos: The Survey Guide). The value assigned to each of the four sample variables is added together to give a total material score between 2 and 12.

Sample Variable	Score	Examples of Score
Product Type (or Debris from Product)	1	Asbestos reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement etc)
	2	Asbestos insulating board, mill boards, other low density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt
	3	Thermal insulation (eg pipe and boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses and packing
Extent of Damage / Deterioration	0	Good condition: no visible damage
	1	Low damage: a few scratches or surface marks; broken edges on board, tiles etc.
	2	Medium damage: significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres
	3	High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.
Surface Treatment	0	Composite materials containing asbestos: reinforced plastics, resins, vinyl tiles
	1	Enclosed sprays and lagging, asbestos insulating board (with exposed face painted or encapsulated), asbestos cement sheets etc.
	2	Unsealed asbestos insulating board, or encapsulated lagging and sprays
	3	Unsealed laggings and sprays
Asbestos Type	1	Chrysotile
	2	Amphibole asbestos excluding crocidolite
	3	Crocidolite

The material score determines the potential for a material to release asbestos fibres when disturbed. This score is then categorised to describe the potential:

Material Score	2	3	4	5	6	7	8	9	10	11	12
Category	Very Low			Low		Medium			High		

Asbestos Materials

Asbestos is a naturally occurring mineral composed of soft and flexible fibers that are resistant to heat, electricity and corrosion. These qualities make the mineral useful, but they also make asbestos exposure highly toxic.

Asbestos is a group of six naturally occurring fibrous minerals composed of thin, needle-like fibers. Exposure to asbestos causes several cancers and diseases, including mesothelioma and asbestosis.

Asbestos Morphology

Mineral Group	Fibre Type	Common Name
Serpentine	Chrysotile	White
Amphibole	Amosite	Brown
	Crocidolite	Blue
	Anthophyllite	n/a
	Tremolite	n/a
	Actinolite	n/a

Note: *Anthophyllite was used in limited quantities for insulation products and construction materials. It also occurs as a contaminant in chrysotile asbestos, vermiculite and talc. Tremolite and actinolite are not used commercially, but they can be found as contaminants in chrysotile asbestos, vermiculite and talc.*