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Noble Health and Safety are now part of the group of Companies providing a multi - disciplinary Health & Safety and Environmental Consultancy. Noble provide a national presence with offices throughout the UK and Ireland delivering impartial and practical advice on Health and Safety, Training, Quality Management Systems and Asbestos. Noble's high standing within all industry types, and the strength of the relationships forged with our clients has ensured the continuity of repeat business. Our professional staff all hold high level qualifications and undergo continuous professional development. They are ably supported by a team of highly skilled administrators, and together we strive to provide a high level of customer services.

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Refurbishment / Demolition

Asbestos Survey

Of

**Five Islands School
St. Marys
Isles of Scilly**

Total Number Of Pages in Report:	43
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Noble Health & Safety Consultancy Ltd (Company No. 3830216)

General Site Information

Site Details including postcode	Five Islands School Carn Gwaval, St. Marys, Isles of Scilly. TR21 0NA		
Survey Type	Refurbishment & Demolition Asbestos Survey		
Client Details	Kier Western 1 Victoria Wharf, Malpas Road Truro, Cornwall TR1 1QH		
Survey Date	18/02/2011 & 01-02/09/2011	Report Date	26/09/2011
Job No.	J14935 & J15758	Issue No:	Two
Surveyor	G. Stilton		
Area included within the survey	Five Islands School		
Areas Excluded from the survey	See section one		
Any agreed variations or deviations from our NSOP1	None		
Any agreed exclusions or inaccessible areas	See section one		



Noble is accredited by the United Kingdom Accreditation Services as an Asbestos Inspection Body and Laboratory
All Bulk Analysis not carried out by Noble will be carried out by a UKAS Laboratory
This survey has been undertaken as per HSG264 and Noble standard operating procedure no 1



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This report and its contents therein, form the opinions and results of Noble. All aspects of the production of this report have been done in strict adherence to documented in-house procedures and to the current HSG264 methodology. The content of this report may not be amended or altered in any manner by a third party without the express prior consent of Noble. Any further duplication of this survey must be done in its entirety. All relevant liabilities (actual, assumed or otherwise), under such circumstances will be withdrawn forthwith.

Please note Noble cannot be held responsible for the way in which the client may interpret or act upon the results of this report.

How To Use This Survey Report

The survey has been compiled to enable the building owner, duty holder, manager or visiting contractor to identify any room, void, duct, area, equipment, plant or item that contains or may contain any asbestos containing materials (ACM's).

Section 2 is an introduction to the survey and describes the type of survey carried out and the purpose of the survey. Also listed in this section are the areas that we were unable to access and a summary of any urgent works considered necessary by our Lead Surveyor.

Our recommendations to the correct approach to the urgent works mentioned in Section 1 are fully explained within section 6 of this report, which contains all our recommendations for the treatment of all the asbestos containing materials identified.

It is very important to understand the limitations of this report, by reading the survey parameters as detailed within section 8 of this report.

Identification of Asbestos

To identify the locations of asbestos containing materials, you will need to go to Section 4 - Annotated Floor Plans. Section 4 contains a sample point and a location of asbestos containing materials plan, we may include additional plans of the areas where we have surveyed.

- Step 1** - Look up the room where works are required, if the room is marked in red hatch then there are known asbestos containing materials in this room. You will then need to go to Section 3 – Table 1: Asbestos register - to identify the exact whereabouts, type and extent of the materials.
- Step 2** - If the room/area is marked with a N.A.V.D. it means that no known asbestos containing material was visually identified during the survey. This information is contained within Table 1.
- Step 3** - Where a room/area/item is marked with No Access, this signifies that no access was gained to this area/item during the survey, despite reasonable efforts. A competent person (BOHS P402 certificated, has a minimum of 6 months relevant experience and are accredited to in-house UKAS procedures) should be employed to conduct an asbestos survey of this area before any works are conducted.
- Step 4** - Section 3 – Table 2 Materials similar to asbestos containing materials specifies where there are asbestos look-alikes within the room or the sample has been analysed and does not contain asbestos N.A.D.I.S. (No Asbestos Detected In Sample).

Note: The photographs within section 5 should help to pin point their associated ACM's.

Section One

Executive Summary

Noble Health and Safety Consultancy were contracted to under take a Refurbishment / Demolition survey as defined in HSG 264, "Asbestos: The Survey Guide",

We were contracted to survey the following:
Five Islands School, St. Marys

Asbestos containing materials were identified in the following locations:

Materials	Locations
Loose Insulation	-
Sprayed Coatings	-
Thermal Insulation	-
Asbestos Board	External – Bike Shed, GF39
Insulation	-
Textiles	-
Gaskets	GF28
Paper	-
Friction Products	-
Cement Products	GF03
Textured Coatings	-
Bitumen Products	GF35, GF36, GF37, GF38, GF48
Flooring materials	-
Reinforced PVC	-
Reinforced Plastics & resin composites	-
	-

Areas Not Accessed: -

Location	Reasons
External	No access into boiler room chimney
GF35 – Hall high level ceiling	No access due to height
GF40 – Freezer Store	No access to pipes in concrete floor
GF44 - Classroom	No access to duct

Assume asbestos is present in the above locations until surveyed by a competent person

The arrangements for a revisit to survey the no accesses are: None

We have not inspected any part requiring specialist access equipment other than ladders and stepladders. Any requirement for specialist access equipment such as tower scaffolds, scissor lifts have been specifically excluded unless otherwise agreed with the client.

We have not reported on concealed spaces which may exist within the fabric of the building and where the extent and presence of these is not evident due to inaccessibility or insufficient knowledge of the structure at the time of the survey.

No responsibility can be accepted for the presence of asbestos in voids (under-floor, floor, wall or ceiling) other than those opened up during the investigation, as we simply have not seen them. There are some forms of asbestos that may well remain undetected until demolition. These could include overspray in a cavity wall, isolated and sporadic packers.

Samples have not been taken where the act of sampling would endanger the surveyor or affect the functional integrity of the item concerned. For example, fuses within electrical boxes, gaskets, fire doors, rope associated with heating, glazing or power and lift plant etc.

A limited inspection only has been carried out on pipe work concealed by overlying non-asbestos insulation. Inspection of pipe work has been restricted primarily to the insulation visible. The presence of debris to pipe work, which is not readily visible or would require the removal and replacement of all overlying non-asbestos insulation, has been considered outside the scope of this survey.

The Asbestos Containing materials with a high material assessment scores identified during the survey are:

None

We would recommend the following urgent actions:

None

Section Two

Introduction

This report contains the findings of a Refurbishment/Demolition survey carried out to provide information for future Refurbishment works and demolition.

The building is used as a School. We have considered the building to be classified as Commercial as per HSG 264.

One building comprising of a single story school built from concrete blocks with a timber and metal framework. The roof is also a timber and metal frame with polystyrene and MMMF insulation. Internally, ceilings are suspended, and concrete floors.

Heating is provided by an externally accessed boiler room with pipework feeding radiators from above the floor. Pipework is lagged with MMMF insulation and appears not to have been previously lagged.

Our inspection was carried out in accordance with the requirements of HSG 264. The definition of a Refurbishment and Demolition surveys in HSG 264 is as follows:

“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 is reasonably practicable, all ACM's in the area where refurbishment work will take place or the whole building is 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 e.g. when more intrusive maintenance and repair work will be carried out or for plant removal or dismantling.”

So far as is “reasonably practicable” all asbestos containing materials have been identified. . For reasons such as health and safety and contractual limits, not all areas may have been surveyed. These will be listed as not accessed

The buildings were occupied at the time of our survey. This means that we could not be as invasive as if they were empty. This was made clear in the project proposal as was the likelihood that a check by a competent person when the building is empty would be required. Where possible we have highlighted specific concerns about this

When we sent our proposal we asked for information so we can conduct a desktop study.

We were supplied with the following:

√ X	Item
√	Clear plans
X	Details of service risers
X	Details of service ducts
√	Details of live services on site
√	Details of any restrictions concerning access
√	Details of any restrictions on "damage"
√	Details of any Health and Safety requirements
√	Name and telephone number of site contact
X	Date building was built
√	Number of rooms
√	Copy of any existing asbestos information
X	Up to date asbestos management plan
√	MDHS Type 1 or Type 2 or Management Asbestos Survey
X	Details of removal work undertaken since surveying

Where the client has been unable to supply us with the relevant information, we have attempted to complete the desktop study at the time of the survey.

"Reasonably practicable" is a defined legal term that infers a balance of cost versus risk and means that for example it is unlikely that we would find asbestos material used as a rawl plug as that would mean breaking open all the walls. We would also respectfully point out that we have been asked to carry out a survey, not a demolition soft strip. This means that for example we will not normally remove all non-asbestos insulation to check for asbestos debris on a previously lagged pipe, and we will not lift all floors looking for asbestos packers. We will carry out a survey and make and test reasoned hypothesis of where asbestos containing materials could have been used.

Clients must be aware that surveying is not a science and there may be undetected asbestos containing materials within the building. Quantities within the report are estimates, and a full specification for removal can be prepared if required.

The buildings surveyed were occupied when we attended site, which means that the extent of the invasive works has had to be limited.

In the survey proposal we sent we explained that further intrusive survey work may be required but the extent of this could not be fully confirmed until the initial survey was carried out. The proposal will have detailed whether this has been included in the price or whether a separate proposal will cover this additional work.

We would be happy to discuss what this means in this specific case.

Quantities of asbestos containing materials noted within this report are estimates. For any subsequent removal work, we suggest that a detailed specification is produced.

The survey report contains colour drawings. If you are working from a black & white photocopy you may have difficulty interpreting the report.

Section Three

Table of Incidence

The Control of Asbestos Regulations 2006 places a requirement on the employer or self employed person carrying out the work with asbestos to make an assessment of the likely fibre release and decide whether this will make the work licensable or non-licensable work. Where we have indicated licensed or non- licensed work it is for guidance only and assumes that the contractor will be competent and will follow best practice. It is very easy for what should be a simple non-licensed job to be done in such a way that it would require an asbestos licence – we can accept no liability under any circumstances for how work is carried out unless we are project managing the removal.

Table 1 Asbestos Register

Table 2 Materials similar to asbestos containing materials

TABLE 1

REFURBISHMENT DEMOLITION SURVEY - Incident spreadsheet, asbestos register

Site Address: Specific Areas of Five Islands School, St. Marys, Isles of Scilly

Date: 18/02/2011

Key:

Presumed / Strongly Presumed / No Access

N.A.V.D = No asbestos visually detected

Material scores above 10 have a high potential to release fibres

LOCATION: Building No. Floor Level and Room Number	POSITION / DESCRIPTION	Material Type	Level of I.D.	Asbestos Type	Extent m ² Quantity	Photo No.	Access	Surface Treat.	Condition	Fixing	Material Assessment Score Actions
External	Site					550 1129					
External	Undercloaking	Asbestos Cement	GS010911/10 IDENTIFIED	Chrysotile (White)	200 Lm	1126 548	Low	None	Low	Nailed	4 - Remove for refurbishment / demolition works
External	No access into boiler room chimney		No Access			549					
Bike Shed	Ceiling panels	Asbestos Insulating Board	GS010911/06 IDENTIFIED	Amosite (Brown)	2x 10m ²	1121	High	None	Low	Screwed	5 - Remove
Ground Floor											
GF01 - Staff Room			N.A.V.D								
GF02 - Cleaner's Store			N.A.V.D								
GF03 - W.C.	Pipe above suspended ceiling	Asbestos Cement	GS180211/02 IDENTIFIED	Chrysotile (White)	1 Lm	538	Low	Unsealed	Medium Damage	Clipped	5 - Remove
GF04 - Store			N.A.V.D								
GF05 - Disabled W.C.			N.A.V.D								
GF06 - Corridor			N.A.V.D								
GF07 - Corridor outside W.C.s			N.A.V.D								
GF08 - Boy's W.C. and Shower			N.A.V.D								
GF09 - Girls W.C.			N.A.V.D								
GF10 - Office			N.A.V.D								
GF11 - Head's Office			N.A.V.D								

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Date: 18/02/2011

Key:

Presumed / Strongly Presumed / No Access

N.A.V.D = No asbestos visually detected

Material scores above 10 have a high potential to release fibres

LOCATION: Building No. Floor Level and Room Number	POSITION / DESCRIPTION	Material Type	Level of I.D.	Asbestos Type	Extent m ² Quantity	Photo No.	Access	Surface Treat.	Condition	Fixing	Material Assessment Score Actions
GF11A - Meeting Room			N.A.V.D								
GF12 - Corridor			N.A.V.D								
GF13 - Reception / Office			N.A.V.D								
GF14 - Resource Area			N.A.V.D								
GF15 - Corner Room 1			N.A.V.D								
GF16 - Corner Room 2			N.A.V.D								
GF17 - Classroom			N.A.V.D								
GF18 - Resource Area / Lobby			N.A.V.D								
GF19 - Electrical Switchgear / Store			N.A.V.D								
GF20 - Maths Store			N.A.V.D								
GF21 - Store			N.A.V.D								
GF22 Resource Area			N.A.V.D								
GF23 - Corner Room 3			N.A.V.D								
GF24 - Corner Room 4			N.A.V.D								
GF25 - Classroom			N.A.V.D								
GF26 - Library			N.A.V.D								

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REFURBISHMENT DEMOLITION SURVEY - Incident spreadsheet, asbestos register

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Date: 18/02/2011

Key:

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Material scores above 10 have a high potential to release fibres

LOCATION: Building No. Floor Level and Room Number	POSITION / DESCRIPTION	Material Type	Level of I.D.	Asbestos Type	Extent m ² Quantity	Photo No.	Access	Surface Treat.	Condition	Fixing	Material Assessment Score Actions
GF27 - Electrical Intake			N.A.V.D								
GF28 - Boiler Room	Gaskets to pipework	Gasket	GS180211/07 IDENTIFIED		x10	545	Low	Unsealed	Good	Sandwiched	4 - Remove for refurbishment / demolition works
GF29 - Classroom			N.A.V.D								
GF30 - Corridor			N.A.V.D								
GF31 - Girls W.C.			N.A.V.D								
GF32 - Shower			N.A.V.D								
GF33 - Boys W.C.			N.A.V.D								
GF33A - Entrance Lobby			N.A.V.D								
GF34 - Store			N.A.V.D								
GF35 - Hall	Adhesive to parquet flooring	Bitumen	GS010911/03 IDENTIFIED	Chrysotile (White)	110m ²	1114	High	None	Good	Glued/Nailed	3 - Remove for refurbishment / demolition works
GF35 - Hall	No access to ceiling high level areas		No Access			1115					
GF36 - Hall Store	Adhesive to parquet flooring	Bitumen	Refer to sample GS010911/03 IDENTIFIED	Chrysotile (White)	10m ²		High	None	Good	Glued/Nailed	3 - Remove for refurbishment / demolition works
GF37 - Servery	Adhesive to parquet flooring	Bitumen	Refer to sample GS010911/03 IDENTIFIED	Chrysotile (White)	10m ²		High	None	Good	Glued/Nailed	3 - Remove for refurbishment / demolition works
GF38 - Hall Store 2	Adhesive to parquet flooring	Bitumen	Refer to sample GS010911/03 IDENTIFIED	Chrysotile (White)	10m ²		High	None	Good	Glued/Nailed	3 - Remove for refurbishment / demolition works
GF39 - Kitchen	Panel to deep fat fryer	Asbestos Insulating Board	GS010911/05 IDENTIFIED	Amosite (Brown)	2m ²	1117 1118	High	None	Medium	Clipped	8 - Remove for refurbishment / demolition works
GF40 - Freezer Store	No access to pipes entering concrete floor		No Access			1120					

TABLE 1

REFURBISHMENT DEMOLITION SURVEY - Incident spreadsheet, asbestos register

Site Address: Specific Areas of Five Islands School, St. Marys, Isles of Scilly

Date: 18/02/2011

Key:

Presumed / Strongly Presumed / No Access

N.A.V.D = No asbestos visually detected

Material scores above 10 have a high potential to release fibres

LOCATION: Building No. Floor Level and Room Number	POSITION / DESCRIPTION	Material Type	Level of I.D.	Asbestos Type	Extent m ² Quantity	Photo No.	Access	Surface Treat.	Condition	Fixing	Material Assessment Score Actions
GF41 - Kitchen W.C.			N.A.V.D								
GF42 - Store			N.A.V.D								
GF43 - Store			N.A.V.D								
GF44 - Classroom	No access to duct		No Access								
GF45 - Store/Corridor			N.A.V.D								
GF46 - W.C./Boys Changing Room			N.A.V.D								
GF47 - Infants W.C.			N.A.V.D								
GF48 - Kitchen	Sink pad	Bitumen	GS010911/09 IDENTIFIED	Chrysotile (White)	2x 1m ²	1123	Low	None	Low	Glued	3 - Remove for refurbishment / demolition works
GF49 - Corridor			N.A.V.D								
GF50 - Cloakroom/Store			N.A.V.D								
GF51 - Cloakroom			N.A.V.D								
GF52 - Classroom			N.A.V.D								
GF53 - Classroom			N.A.V.D								
GF54 - Resources Area			N.A.V.D								
GF55 - Corridor			N.A.V.D								
GF56 - W.C.			N.A.V.D								
Loft above GF44			N.A.V.D								
Loft above Boiler Room			N.A.V.D								

Table 2**Material similar to asbestos containing materials****Key:****Site Address:** Five Islands School, St. Marys, Isles of Scilly**N.A.D.I.S.** = No asbestos detected in sample**Date:** 18/02/2011

LOCATION: Building No., Floor Level and Room Number	POSITION / DESCRIPTION	Material Type	Level Of I.D. Result	Extent m² Quantity, thickness, volume	Photo No,
External					
External	Damp proof course	Felt	Refer to Sample: GS180211/03 N.A.D.I.S.	200 Lm	
External	Undercloaking	Cement	Refer to Sample: GS180211/06 N.A.D.I.S.	200 Lm	548
Ground Floor					
GF01 - Staff Room	Residue of sink pad	Bitumen	GS180211/01 N.A.D.I.S.	<1 m2	537
GF01 - Staff Room	Cavity closure in wall	Felt	GS180211/03 N.A.D.I.S.	30 m2	
GF03 - W.C.	Cavity closure above door	Felt	Refer to Sample: GS180211/03 N.A.D.I.S.	2 Lm	539, 540
GF04 - Store	Cavity closure above door	Felt	Refer to Sample: GS180211/03 N.A.D.I.S.	2 Lm	

Table 2**Material similar to asbestos containing materials****Key:****Site Address:** Five Islands School, St. Marys, Isles of Scilly**N.A.D.I.S.** = No asbestos detected in sample**Date:** 18/02/2011

LOCATION: Building No., Floor Level and Room Number	POSITION / DESCRIPTION	Material Type	Level Of I.D. Result	Extent m² Quantity, thickness, volume	Photo No,
GF14 - Resource Area	Sink pad	Bitumen	GS180211/04 N.A.D.I.S.	<1 m2	541
GF19 - Electrical Switchgear / Store	Floor sheet	Vinyl Tile	GS180211/05 N.A.D.I.S.	2 m2	542
GF22 Resource Area	Sink pad	Bitumen	Refer to Sample: GS180211/04 N.A.D.I.S.	<1 m2	543
GF27 - Electrical Intake	Redundant roof slates	Cement	GS180211/06 N.A.D.I.S.	x2	544
GF28 - Boiler Room	Panel to loft hatch	Board	GS180211/08 N.A.D.I.S.	1 m2	546
GF28 - Boiler Room	Debris to old calorifier	Insulation	GS180211/09 N.A.D.I.S.	2 m2	547
GF29 - Classroom	Old vinyl floor sheet under modern pink vinyl floor sheet	Vinyl Floor Tile	GS010911/01 N.A.D.I.S.	40m ²	1112

Table 2**Material similar to asbestos containing materials****Key:****Site Address:** Five Islands School, St. Marys, Isles of Scilly**N.A.D.I.S.** = No asbestos detected in sample**Date:** 18/02/2011

LOCATION: Building No., Floor Level and Room Number	POSITION / DESCRIPTION	Material Type	Level Of I.D. Result	Extent m² Quantity, thickness, volume	Photo No,
GF30 - Corridor	Old vinyl floor sheet under modern pink vinyl floor sheet	Vinyl Floor Tile	Refer to Sample GS010911/01 N.A.D.I.S.	8m ²	
GF34 - Store	Ceiling tiles	Board	GS010911/02 N.A.D.I.S.	1m ²	1113
GF39 - Kitchen	Bitumen paint under large sink	Bitumen	GS010911/07 N.A.D.I.S.	2m ²	1119
GF39 - Kitchen	Sink pad under low sink	Bitumen	GS010911/04 N.A.D.I.S.	<1m ²	1116
GF44 - Classroom	Sink pads	Bitumen	GS010911/08 N.A.D.I.S.	4 x <1m ²	1122
GF50 - Cloakroom/Store	Sink pad	Bitumen	Refer to sample GS010911/04 N.A.D.I.S.	<1m ²	1124
GF54 - Resources Area	Sink pad	Bitumen	Refer to sample GS010911/04 N.A.D.I.S.	<1m ²	1125

Section Four

Annotated Floor Plans

**0001 – Sample Point Plan and Location of Asbestos Containing Materials Plan
Ground floor**

**0002 – Sample Point Plan and Location of Asbestos Containing Materials Plan
External**




Isles of Scilly

Asbestos Containing Materials Plan

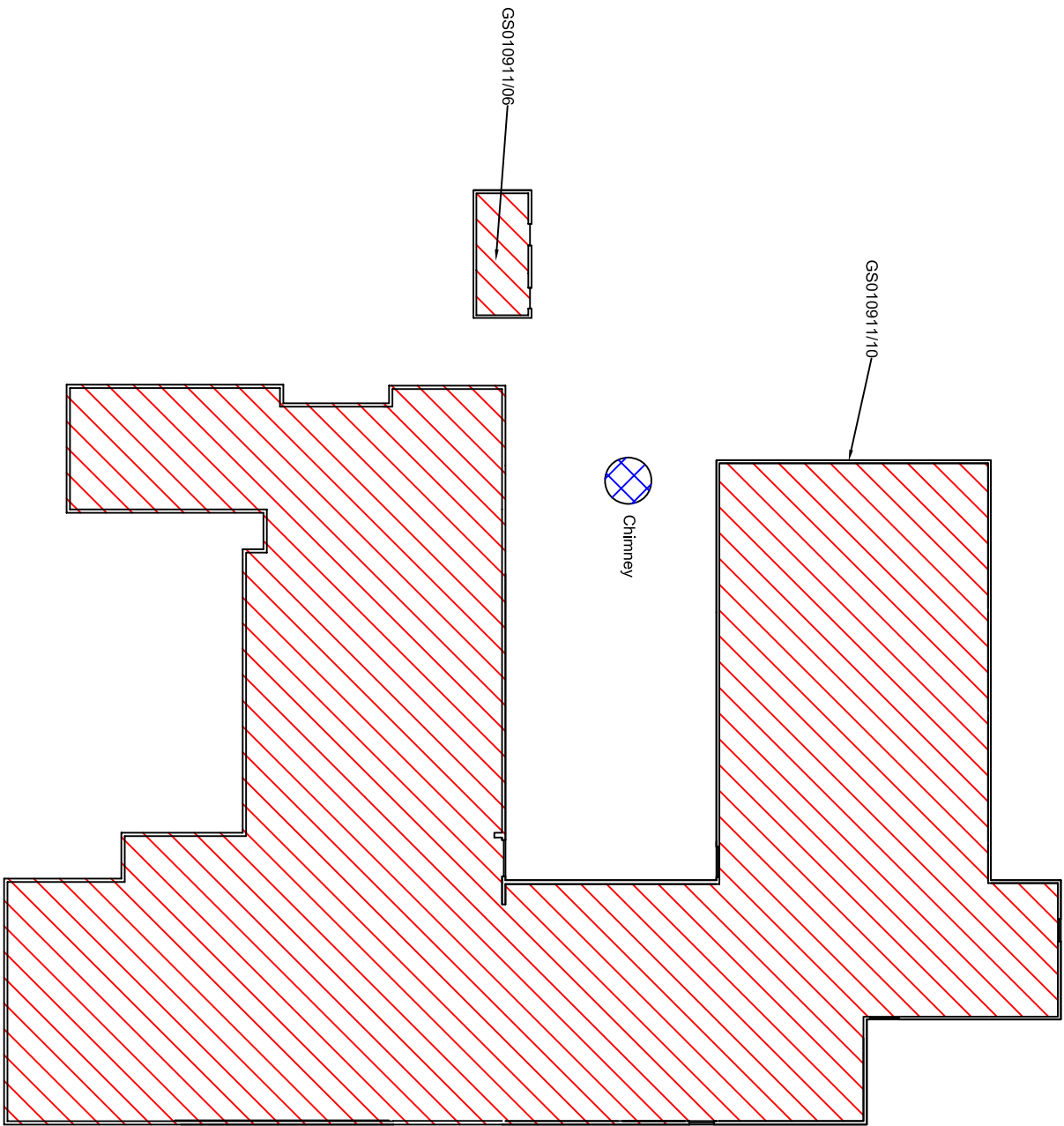
N.T.S.




Location of Asbestos Containing Materials



Location of Non-Accessed Areas



External

<div><div></div><div>Noble Health And Safety Consultancy Ltd 13 Barn Close, Langage Business Park, Plymouth, Devon, PL7 5HQ</div></div>			
<div><div>Survey Address:</div><div>Five Islands School St. Marys Isles of Scilly</div></div>			
<div><div>Drawing:</div><div>Location of Sample Points and Asbestos Containing Materials Plan</div></div>			
<div><div>Drawn by:</div><div>G.S.</div></div>	<div><div>Date:</div><div>26/02/2011</div></div>	<div><div>Dwg. No:</div><div>0002</div></div>	<div><div>N.T.S.</div></div>

Section Five

Photo Display

J14935 / Five Islands School



Photograph No.
537

Description
**GF01 – Staff Room.
Sink pad residue**



Photograph No.
538

Description
**GF03 – W.C.
Flue pipe above
suspended ceiling**



Photograph No.
539

Description
**GF03. W.C. Cavity
closure above door**

J14935 / Five Islands School



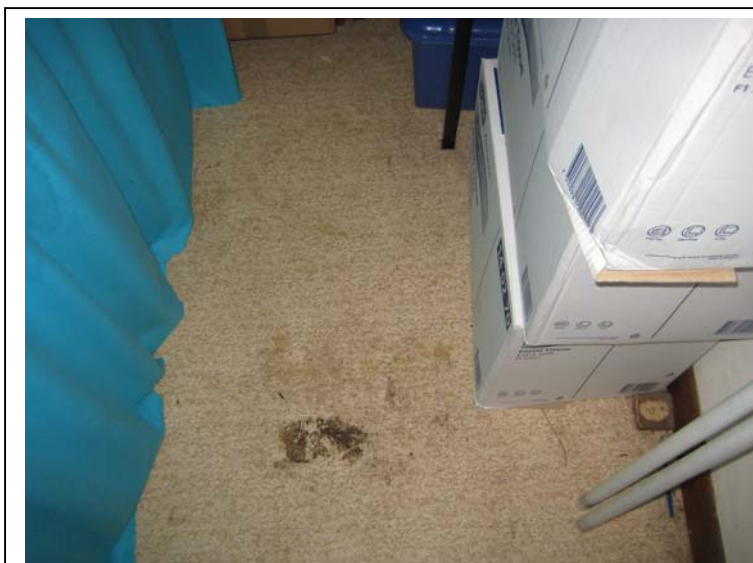
Photograph No.
540

Description
**GF03. W.C. Cavity
closure above door**



Photograph No.
541

Description
**GF14 – Resource Area.
Sink pad**



Photograph No.
542

Description
**GF19 – Store.
Vinyl floor sheet**

J14935 / Five Islands School



Photograph No.
543

Description
**GF22 – Resource Area.
Sink pad**



Photograph No.
544

Description
**GF27 – Electrical
Intake.
Loose Roofing sheets**



Photograph No.
545

Description
**GF28 – Boiler Room.
Gaskets to pipework**

J14935 / Five Islands School



Photograph No.
546

Description
**GF28 – Boiler Room.
Panel to loft hatch**



Photograph No.
547

Description
**GF28 – Boiler Room.
Debris to old calorifier**



Photograph No.
548

Description
External. Undercloaking

J14935 / Five Islands School



Photograph No.
549

Description
**External. No access
into live chimney stack**



Photograph No.
550

Description
Site Photo

J15758/ Five Island School



Photograph No.
1112

Description
GF29 – Classroom
Old Vinyl floor sheet
under modern vinyl
floor sheet



Photograph No.
1113

Description
GF34 – Store
Ceiling tiles



Photograph No.
1114

Description
GF35 – Hall
Adhesive to parquet
flooring

J15758/ Five Island School



Photograph No.
1115

Description
GF35 – Hall
No access to high level
areas



Photograph No.
1116

Description
GF39 – Kitchen
Sink pad under low
level sink



Photograph No.
1117

Description
GF39 – Kitchen
Panel to deep fat fryer

J15758/ Five Island School



Photograph No.
1118

Description
**GF39 – Kitchen
Panel to deep fat fryer**



Photograph No.
1119

Description
**GF39 – Kitchen
Bitumen paint under
sink**



Photograph No.
1120

Description
**GF40 – Freezer Store
No access to pipe
entering concrete floor**

J15758/ Five Island School



Photograph No.
1121

Description
**External – Bike Shed
Ceiling panels**



Photograph No.
1122

Description
**GF44 – Classroom
Sink pad**



Photograph No.
1123

Description
**GF48 – Kitchen
Sink pad**

J15758/ Five Island School



Photograph No.
1124

Description
**GF50 –
Cloakroom/Store
Sink pad**



Photograph No.
1125

Description
**GF54 – Resources Area
Sink pad**



Photograph No.
1126

Description
**External
Undercloaking**

J15758/ Five Island School



Photograph No.
1128

Description
Duct Run
(not referenced)



Photograph No.
1129

Description
Site Photo

Section Six

Conclusions and Recommendations

The Control of Asbestos Regulations 2006 places a requirement on the employer or self employed person carrying out the work with asbestos to make an assessment of the likely fibre release and decide whether this will make the work licensable or non-licensable work. Where we have indicated licensed or non-licensed work it is for guidance only and assumes that the contractor will be competent and will follow best practice. It is very easy for what should be a simple non-licensed job to be done in such a way that it would require an asbestos licence – we can accept no liability under any circumstances for how work is carried out unless we are project managing the removal.

For complicated removal work we strongly recommend the need for a detailed specification and asbestos project manager.

We draw attention to the fact that HSE strongly suggest the UKAS Laboratory carrying out the clearance air monitoring for a removal contract is appointed directly by the client rather than by the removal contractor.

We would be happy to discuss our asbestos project management service, which can cover all aspects of asbestos removal

- Specification writing
- Drawing up tender lists
- Project management
- Air Monitoring
- 4 Stage Clearances

Noble hold and regularly use our HSE Asbestos Supervisory Licence.

Our recommendations are made based upon each items' assessed potential for fibre release as recommended by the guidance published by the Department of the Environment and the Health and Safety Executive, and with regard to the safety of asbestos in buildings.

Asbestos Insulating Board (AIB)

The Asbestos Insulating Board (AIB) located at the Bike Shed and the panel in the fryer was sampled and identified by analysis as containing Amosite (Brown) asbestos.

The panels in the fryer may remain in place, however the fryer should not be sold or transferred to a new company. If removal is required, the unit should be wrapped in 1000-gauge polythene and disposed of as hazardous waste.

If the bike sheds are to be demolished, a Licensed Asbestos Removal Contractor should remove the board. This work normally requires a 14-day prior notification to the HSE by the licensed contractor, the construction of an enclosure and the use of Negative Pressure Units. An independent UKAS laboratory is required to issue a certificate of reoccupation after air monitoring. HSE suggest that they are appointed directly by the client. This is a service Noble can provide should it be required.

A registered waste carrier should dispose of all arisings as hazardous waste to a suitably licensed waste facility.

Asbestos Cement (AC)

The Asbestos Cement (AC) flue pipe located above the suspended ceiling in GF03 – W.C. was sampled and identified by analysis as containing Chrysotile (White) asbestos.

The AC pipe can be removed by an Unlicensed Contractor using a safe system of work. A suggested safe system can be found on the HSE website at <http://www.hse.gov.uk/asbestos/essentials/index.htm>. A registered waste carrier should dispose of all arisings as hazardous waste to a suitably licensed waste facility.

Bonded Gaskets

The Gaskets located in GF28 (Boiler Room) have been sampled and identified by analysis as containing Chrysotile (White) Asbestos.

The Gasket can remain in situ, monitored and managed correctly, unless refurbishment or demolition works are planned in the boiler room. If works are required with these materials an unlicensed contractor in accordance with a safe system of work may conduct it. A suggested safe system can be found on the HSE website at <http://www.hse.gov.uk/asbestos/essentials/index.htm>.

The gaskets when removed should be removed with the minimal use of impact, cutting or abrasive power tools and double bagged in 1000-gauge polythene, labelled appropriately and disposed of as hazardous waste to a suitable licensed waste facility or to an approved landfill site by a registered.

The Parquet Flooring Adhesive

The Adhesive to the parquet flooring located in GF35 (Hall), GF36 (Hall Store), GF37 (Serving) and GF38 (Hall Store 2) was sampled and identified by analysis as containing Chrysotile (White) Asbestos.

Removal is next to impossible, and may cause far more risk than simply leaving in place and managing.

For refurbishments we would simply recommend the application of a self-levelling screed possibly after the application of a PVA tack coat subject to manufacturers recommendations. The presence of the asbestos should be noted in the asbestos management plan to stop people using powered abrasive tools and releasing fibre.

For demolition, consideration should be given to simply leaving in situ and demolishing. Noble can advise on the latest guidance on this subject if required.

Anti Drumming Pads

Anti-drumming pad(s) located at GF48 (Kitchen) have been found through laboratory analysis to contain Chrysotile (White) asbestos.

Anti drumming pads found to contain asbestos through laboratory analysis may remain in situ as the asbestos fibres are well bonded in the Bitumastic material. If replacement of the sink is required then the sink and pad should be removed whole, double bagged in 1000 gauge polythene, labelled appropriately and disposed of as hazardous waste, to a suitably licensed

waste facility or an approved landfill site by a registered waste carrier. An unlicensed contractor may conduct this work

No Access to Exhaust Chimney

The chimney has not been accessed as the boilers were live and still heating the school.

If work is carried out on this chimney, the heating should be switched off and the chimney checked by a competent person.

No Access to Pipes and Ducts Under Concrete Floor

The pipes could not be accessed under the concrete floor between the oil tank and the holes. We have not been provided with a service diagram.

If work is to be carried out below this concrete floor, the area will need to be checked by a competent person or a competent person is present to check while the area is accessed.

The Duct in the GF44 (Classroom) was not accessed.

It is assumed that this duct runs under the school to an oil tank, however, the exact location and route/s of the duct could not be defined during the survey. Also the location of the oil tank was unknown, though the fill point is located on the access road to the south of the school.

Note: See photo 1128 in Section 5 Photo Display.

Definition of terms:

Enclosure:	An enclosure is formed from a framework (normally of wood) and covered with 250 micron (1000 gauge) polythene or the room structure which acts as a barrier to prevent the spread of Asbestos fibres during ACM removal work.
Encapsulation:	Provision of paint type coating to effect a continuous seal to the surface of the material and thereby prevent fibre release.
Protection:	Provision of a protective barrier to the ACM or enclosure such as wooden panelling etc.
Labelling:	Fixing of labels – standard ‘red A’ labels as per Schedule 2 of the Control of Asbestos Regulations 2006 (CAR), Approved Code of Practice for Work L143 to the surface of the material to warn of the hazard.
Registering:	Entering of details, including nature/ location/ extent of material in a register which is brought to the attention of all persons who might plan or undertake works in the building.
Periodic Inspection:	Inspection of the material at regular (defined) intervals to verify that its condition has not deteriorated such as to necessitate enclosure/ encapsulation/ removal.
Repair:	Addition of a seal to the material to prevent the further deterioration and breakdown of the material. Should also be carried out with labelling.
Removal:	Complete removal of the material under controlled conditions so as to comply with CAR.
Manage:	Provision of a policy of regular (periodic) inspection together with procedures, including but not exclusively limited to action should deterioration be observed, as well as training for staff and persons possibly coming into contact with the material.
Licensed Asbestos Removal Contractor:	An organisation holding an appropriate asbestos removal license issued by the HSE under the Control of Asbestos Regulations 2006. The organisation needs to give 14 days notice to the HSE if they are working with a licensed asbestos material.

Asbestos Supervisory**License Holder:**

An organisation licensed by the HSE under the Control of Asbestos Regulations 2006 to carry out project management and other supervisory work of licensed asbestos removal contractors. The organization needs to give 14 days notice to the HSE if they are supervising asbestos removal work.

Unlicensed**Contractor:**

An organisation that does not necessarily hold an asbestos removal license but to comply with the Control of Asbestos Regulations 2006 they must be able to demonstrate the following.

- Evidence of training to work with the type of asbestos they intend to work with. This must be refreshed on an annual basis.
- A competent person has produced a specific risk assessment for the work they are to conduct.
- They have produced a specific method of work, (Method Statement) and work to it.

We strongly suggest that evidence of current insurance to work on asbestos containing materials is checked. Most insurances do not cover asbestos work, so the insurance must state they are covered to work with asbestos containing materials. The insurance should be for Employers Liability and Public Liability.

Registered**Waste Carrier:**

An organisation which is registered with the waste regulatory authority to carry hazardous waste.

Section Seven

Bulk Sample Report (Laboratory Results Certificate)

Please note: a UKAS accredited laboratory undertakes all sample analysis.



Asbestos Bulk Analysis Report

Client	Kier Western	Job Number	J14935
Client Job Ref		Batch Number	1299579027724
Client Address	1-Victoria Wharf Malpas Road TRURO Cornwall TR1 1QH	Samples From Address	Five Islands School Carn Gwaval St. Mary's Isles of Scilly TR21 0NA
Report Version	08-03-2011 10:44:13 - v1	Date Received	08-03-2011
Page #	1 of 1	Date Analysed	08-03-2011
Analysis By	Gavin Stilton		

Test #	Bag #	Material Type	Location	Asbestos Types
38776	GS180211/01	Bitumen	GF01. Staff room. Sink pad debris.	1) No Asbestos Detected in Sample
38777	GS180211/02	Asbestos Cement	GF03. WC. Flue pipe above suspended ceiling.	1) Chrysotile
38778	GS180211/03	Felt	GF01. Staff room. Cavity closure.	1) No Asbestos Detected in Sample
38779	GS180211/04	Bitumen	GF14. Resource area. Sink pad.	1) No Asbestos Detected in Sample
38780	GS180211/05	Vinyl Tile	GF19. Store. Floor sheeting.	1) No Asbestos Detected in Sample
38781	GS180211/06	Cement	GF27. ESG Room. Loose roof sheets.	1) No Asbestos Detected in Sample
38782	GS180211/07	Gasket	GF28. Boiler room. Gasket to pipe.	1) Chrysotile
38783	GS180211/08	Board	GF28. Boiler room. Loft hatch panel.	1) No Asbestos Detected in Sample
38784	GS180211/09	Insulation	GF28. Boiler room. Insulation to calorifier.	1) No Asbestos Detected in Sample
End Of Report				

Authorised By: J. Cleal

Name: JANIE CLEAL

Position: LABORATORY MANAGER

Fibre analysis has been carried out to the Noble Health and Safety Consultancy in-house method (NSOP7), which is based on HSG248 Appendix 2

No responsibility can be taken for information supplied by the client or for errors resulting from the clients sampling procedure. Material type has been reported using information submitted to the laboratory with the sample or by visual identification and fibre content in the laboratory. Changes to material type will only be made with the client's consent.

No Responsibility will be taken for subsequent interpretation and reproduction of these results by bodies other than Noble Health and Safety Consultancy. This test report shall not be reproduced except in full, without written approval of this laboratory.



Asbestos Bulk Analysis Report

Client	Kier Western	Job Number	J15758
Client Job Ref		Batch Number	1315226095497
Client Address	1-Victoria Wharf Malpas Road TRURO Cornwall TR1 1QH	Samples From Address	Five Islands School Carn Gwaval St Mary's Isles of Scilly TR 21 0N
Report Version	05-09-2011 03:06:15 - v1	Date Received	05-09-2011
Page #	1 of 1	Date Analysed	05-09-2011
Analysis By	Colin Wilkes		

Test #	Bag #	Material Type	Location	Asbestos Types
44407	GS010911/01	Vinyl Tile	29. Classroom. Floor sheet under modern flooring.	1) No Asbestos Detected in Sample
44408	GS010911/02	Board	32. Boiler Cupboard / Store. Suspended ceiling tiles.	1) No Asbestos Detected in Sample
44409	GS010911/03	Bitumen	35. Hall. Adhesive to parquet floor.	1) Chrysotile
44410	GS010911/04	Bitumen	39. Kitchen. Sink pad to low level sink.	1) No Asbestos Detected in Sample
44411	GS010911/05	Asbestos Insulating Board	39. Kitchen. Panel to rear of deep fat fryer.	1) Amosite
44412	GS010911/06	Asbestos Insulating Board	External. Bike Sheds. Ceiling panels to both sides.	1) Amosite
44413	GS010911/07	Bitumen	39. Kitchen. Bitumen paint under sinks.	1) No Asbestos Detected in Sample
44414	GS010911/08	Bitumen	44. Classroom. Sink pads.	1) No Asbestos Detected in Sample
44415	GS010911/09	Bitumen	48. Kitchen. Sink pad.	1) Chrysotile
44416	GS010911/10	Asbestos Cement	External. Undercloaking.	1) Chrysotile
End Of Report				

Authorised By: <u>gmllis</u>	Name: <u>COLIN WILKES</u>
Position: <u>Asbestos Bulk Analyst</u>	

Fibre analysis has been carried out to the Noble Health and Safety Consultancy in-house method (NSOP7), which is based on HSG248 Appendix 2

No responsibility can be taken for information supplied by the client or for errors resulting from the clients sampling procedure. Material type has been reported using information submitted to the laboratory with the sample or by visual identification and fibre content in the laboratory. Changes to material type will only be made with the client's consent.

No Responsibility will be taken for subsequent interpretation and reproduction of these results by bodies other than Noble Health and Safety Consultancy. This test report shall not be reproduced except in full, without written approval of this laboratory.



Air Test Report

Air Test Report Number
J14935.ATR.01
Version
v1

**Client
Address**

 Kier Western
1 Victoria Wharf, Malpas
Road, Truro. TR1 1QH

Contractor

N/A

**Site
Address**

 Five Islands School, Carn
Gwaval, St. Mary's, Isles of
Scilly. TR21 0NA

Date

18-Feb-11

Sample Prep

Onsite

X

Laboratory

Sample Analysis

Onsite

X

Laboratory

Calibration Data
No.

Flow Meter

274

Low Flow Meter

-

Microscope

99

Calibrated Timer

383

Exp. Filter Diam.

22.5

Slide Box No.

124

Environmental Data

Temperature

N/A

Equip No.

51

Pressure

N/A

Equip No.

46

WB Grat. Dia.

100

Equip No.

94

5 Bands on HSE

Y

Equip No.

279

Description of Works (air testing methods are as per HSG248 and in-house methods)

Reassurance run in various locations post survey. Locations: GF01: Staff Room, GF13: Reception Office, GF22: Resource Area

Enclosure Location

None

Certificate(s) of Reoccupation associated with this report:

N/A

N/A

KEY


NPU Unit



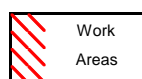
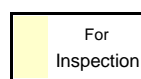
Sample Point



Decon Unit



Waste/transit


 Work
Areas

 For
Inspection

	Name	Signature	Content Of Diagram Agreed	
Field Analyst	James Macfarlane	<i>J Macfarlane</i>	Analyst	James Macfarlane
Lab Analyst	N/A	N/A		<i>J Macfarlane</i>
Date	18-Feb-11	18-Feb-11	Supervisor	N/A

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Noble Health & Safety Consultancy Ltd (Company No. 3830216)



Non Licenced Certificate of Reoccupation

NLC Report Number Version

J14395.NLC.01 v1



Client
Address

Kier Western
1 Victoria Wharf, Malpas
Road, Truro, TR1 1QH

Contractor

Kier Western

Site
Address

Five Islands School,
Carn Gwaval, St.
Mary's, Isles of Scilly

Date

18-Feb-11

This procedure is outside the scope of our UKAS Accreditation.

Description of Works

Asbestos Survey. No asbestos containing materials were damaged during the survey excepting sampling of two items; a flue pipe in GF03 and pipe gaskets in the boiler room

Specific areas inspected

Areas are outlined in the main report that this document is attached to. Surveyed areas were defined by Kier Western.

Air Test Report Number

J14395.ATR.01

Slide Number	Type	Location / Description	Result
B = Background / R = Reassurance			(Pass or Fail)
			PASS

The area inspected as detailed above has been thoroughly cleaned (Pass or Fail)

PASS

and has no visible trace of dust or debris remaining.

The area is Suitable/Unsuitable for re-occupation

Analysts Name

G. Stilton

Supervisors Name

-

Signature
Analyst

Signature
Site Supervisor

-

Date

18.02.2011

Date

-

Noble Health & Safety Consultancy Ltd

Unit 13, Barn Close, Langage Business Park, Plymouth PL7 5HQ

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Noble Health & Safety Consultancy Ltd (Company No. 3830216)

Section Eight

Specific Exclusions

1. Manufactured products containing asbestos have been extremely diverse. Therefore responsibility cannot be accepted for any consequential loss or damage resulting from the presence of asbestos in products where it would not be “expected”.
2. Samples have not been taken where prohibited or prevented by the client, tenant or their representative.
3. Materials have been referred to as Asbestos Insulating Board or Asbestos Cement based upon their asbestos content and visual appearance alone. Water adsorption checks have not been made without the permission of the client.
4. Any reference to the type of contractor required for work is made in good faith and we cannot be held liable for any misinterpretations of the Control of Asbestos Regulations 2006.
5. Any reference to areas is an estimate and we will not be held responsible for subsequent loss.
6. Any reference to fixing type is for guidance and we will not be held responsible for subsequent loss.
7. Our liability for civil damages is limited to a sum not exceeding ten (10) times the cost of the survey of the relevant area on a pro rata basis.



Part of the REC group of companies



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