

# Building Refurbishment & Demolition Survey

P4 Pellet Plant Workshops , Restart Program, SSI UK, Redcar Main Gate, Trunk Road, Redcar, TS10 5QW.



**Project No:** 25860

**Job No:** 190590

**For Customer:** Sahaviriya Steel Industries  
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c/o Financial Shared  
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# Contents

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<b>Section 1</b>	Introduction to Site, Survey and Scope
<b>Section 2</b>	Conclusion and Summary of Findings
<b>Section 3</b>	Survey Results
<b>Section 4</b>	Asbestos Register
<b>Section 5</b>	Plans
<b>Appendices:</b>	Appendix 1 - Bulk Analysis Certificate Appendix 2 - Technical Information and general limitations/methodology Appendix 3 - Material Assessment Key Information Appendix 4 - Priority Assessment Key Information Appendix 5 - Supporting Photographs
<b>Bibliography</b>	

# Section 1: Introduction to Site and Survey

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MIS Environmental Limited was requested to carry out an asbestos survey of The P4 pellet plant workshop building prior to a major refurbishment.

The survey methodology was that described in HSG 264 and MIS Internal Technical Procedure Book 3.

The building was constructed in (approximately) the 1960s and is a typical steel-reinforced concrete frame with brick non load-bearing partitions. There is a fibreglass insulated metal warehouse to the rear. There is a plant room with a heat exchanger, which appears to have never had its own boiler. Steam is supplied from elsewhere on site.

# Section 2: Conclusion and Summary of Findings

## Summary of areas containing ACMs

### Uses of ACMs in building

Asbestos was used in various products throughout the area for its heat resistant and reinforcing properties.

Typical examples of asbestos containing materials found were:

Insulation board to ceilings and within switchgear

Mastics to ducting throughout

Vinyl floor tiles

“Eternit” window sills

A bitumen sink pad

### ACMs with High material assessment scores ( $\geq 7$ - medium risk):

RISK	Material Risk Score	Space Code	Room Use	Sample Point	Description of Material
MEDIUM RISK	8	1/01	Stairs/hall/landing	Ceiling Tile - Suspended, Solid - Within Ceiling Void	Insulating Board
MEDIUM RISK	8	0/14	Warehouse	Electrical Services - Arch Shields - In Live Switchgear	Insulating Board
MEDIUM RISK	7	1/07	Plant Room	Electrical Services - Arch Shields - In Live Switchgear	Insulating Board

### Areas not accessed - presumed to contain ACMs until proven otherwise:

Space Code	Room Use	Sample Point
E/1	External	Roof - Room/area - No Access Within/beyond - Presume Acms - Physically Restricted
0/09	Toilet(s)	Electrical Services - Sample Point - No Access Within/beyond - Presume Acms
0/07	Switch Room	Floor Void/Duct - Room/area - Limited Access Within- Presume Acms - Live Services
0/07	Switch Room	Electrical Services - Room/area - Limited Access Within- Presume Acms - Live Services
0/10	Room - Small Tea Room	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
0/05	Office	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
0/01	Staircase/stairwell	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
0/11	Staircase/stairwell	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
0/08	Plant Room	Electrical Services - Sample Point - No Access Within/beyond - Presume Acms
0/08	Plant Room	Restricted Access to Room/Area - Room/area - Limited Access Within- Presume Acms - Unsafe Access
0/03	Store Room	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
1/12	Stairs/hall/landing	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
1/09	Kitchen	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
1/08	Hallway/passageway To Kitchen	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms
1/10	Wash Room	Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms

### Inaccessible Areas

Access was restricted to items with live electrical equipment.

## Conclusion

Asbestos containing materials identified during this survey were:

Ceiling Tiles  
Floor Tiles (with adhesive)  
Window Sills  
Ductwork Joints  
Arch Shields - In Switchgear  
Under Sink Mat

See the asbestos register for details of locations.

No high risk materials were identified during the survey. The only medium risk material found was in the ceiling void of stairwell 1/01 where some pieces of redundant AIB were identified in poor condition. All the other AIB found had only slight damage, but it has the potential to become a high risk material if disturbed.

Work with insulation materials such as AIB must only be carried out by a licensed asbestos removal contractor under controlled conditions, and it is a term of the HSE Asbestos Removal License that the HSE must be notified at least 14 days in advance of any licensed work being carried out. The 14 day notification period should be borne in mind when scheduling works which may be affected by such a delay.

Removal of lower-risk ACMs must only be carried out by suitably trained and equipped personnel and asbestos must be disposed of as asbestos waste in accordance with the Hazardous Waste (England and Wales) Regulations 2005.

A licensed carrier will be required to transport the waste in most circumstances and only a licensed hazardous waste landfill will accept the material.

In practice it is simpler to use a licensed asbestos removal contractor as they will have the necessary training, experience and equipment to dispose of ACMs.

# Section 3: Survey Results (Inspection Records)

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
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**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/01 **Room Use:** Staircase/stairwell

Ceiling - Under Stairs	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	10 m2	SP As	ND0799/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	10 m2	SP As	ND0801/11	1 Occasionally disturbed
Floor - Nosing to stairs	Plastic	N/A	N/A	NAD	N/A	N/A	SP As	ND0800/11	N/A
Banister Trim/Hand Rail Cover	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Door - Firedoor, Inner Lining	Board	N/A	N/A	NAD	N/A	N/A	SP As	ND0808/11	N/A

**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/02 **Room Use:** Workshop

Electrical Services - Modern	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	1 Low Damage	0 Composite	1 Chrysotile	3	1 Item(s)	SP As	ND0802/11	1 Occasionally disturbed

**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/03 **Room Use:** Store Room

Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	8 m2	SP As	ND0801/11	1 Occasionally disturbed
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	8 m2	ID	ND0807/11	1 Occasionally disturbed
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Sill	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A



Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
<b>Block: Main Site Floor: Ground Floor Space Code: 0/03 Room Use: Store Room</b>									
Window - Beading	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
<b>Block: Main Site Floor: Ground Floor Space Code: 0/04 Room Use: Store Room 2</b>									
Door - Firedoor, Inner Lining	Board	N/A	N/A	NAD	N/A	N/A	ID	ND0808/11	N/A
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
Window - Sill	1 Composite Resinous/Reinforced Plastics	1 Low Damage	0 Composite	1 Chrysotile	3	1 Item(s)	SP As	ND0802/11	1 Occasionally disturbed
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
<b>Block: Main Site Floor: Ground Floor Space Code: 0/05 Room Use: Office</b>									
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	16 m2	SP As	ND0801/11	1 Occasionally disturbed
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	16 m2	SP As	ND0807/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Sill	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Beading	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	1 Low Damage	0 Composite	1 Chrysotile	3	1 Item(s)	SP As	ND0802/11	1 Occasionally disturbed
<b>Block: Main Site Floor: Ground Floor Space Code: 0/06 Room Use: Workshop 2</b>									
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Door - Header Panel	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Electrical Services - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
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**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/06 **Room Use:** Workshop 2

Window - Sill	1 Composite Resinous/Reinforced Plastics	1 Low Damage	0 Composite	1 Chrysotile	3	2 Item(s)	SP As	ND0802/11	1	Occasionally disturbed
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1	Occasionally disturbed
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A

**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/07 **Room Use:** Switch Room

Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Wall - Fire Check Modern	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Floor Void/Duct - Room/area - Limited Access Within- Presume Acms - Live Services	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A		N/A
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1	Occasionally disturbed
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Door - Header Panel	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Electrical Services - Room/area - Limited Access Within- Presume Acms - Live Services	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A		N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A

**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/08 **Room Use:** Plant Room

Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Pipework Insulation - Inner Green	Thermal Insulation Lagging	N/A	N/A	NAD	N/A	N/A	ID	ND0811/11		N/A
Pipework Insulation - Outer Green	Thermal Insulation Lagging	N/A	N/A	NAD	N/A	N/A	ID	ND0809/11		N/A
Pipework Insulation - Middle Green	Thermal Insulation Lagging	N/A	N/A	NAD	N/A	N/A	ID	ND0810/11		N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Tank Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Tank	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A



Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
<b>Block: Main Site Floor: Ground Floor Space Code: 0/08 Room Use: Plant Room</b>									
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework Insulation - Silver Composite	Thermal Insulation Lagging	N/A	N/A	NAD	N/A	N/A	ID	ND0812/11	N/A
Electrical Services - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Debris/Residue - To Pipes Throughout	Thermal Insulation Lagging	N/A	N/A	NAD	N/A	N/A	ID	ND0813/11	N/A
Restricted Access to Room/Area - Room/area - Limited Access Within- Presume Acms - Unsafe Access	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Pipework Gasket(s) - Throughout	Gasket	N/A	N/A	NAD	N/A	N/A	ID	ND0814/11	N/A
Drain Pipe	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

**Block: Main Site Floor: Ground Floor Space Code: 0/09 Room Use: Toilet(s)**

Electrical Services - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Modern	Plasterboard	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Void - Pipe Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework - Within Service Riser	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Drain Pipe - Within Service Riser	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (with adhesive) - To Entrance Only	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	3 High Damage	0 Composite	1 Chrysotile	5	6 m2	SP As	ND0815/11	1 Occasionally disturbed
Ceiling - To Entrance, Inspected Above	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Void - Inspected Within	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
<b>Block: Main Site Floor: Ground Floor Space Code: 0/09 Room Use: Toilet(s)</b>									
Toilet Cistern(s) - X3	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
<b>Block: Main Site Floor: Ground Floor Space Code: 0/10 Room Use: Room - Small Tea Room</b>									
Floor - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	4 m2	SP As	ND0801/11	1 Occasionally disturbed
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
<b>Block: Main Site Floor: Ground Floor Space Code: 0/11 Room Use: Staircase/stairwell</b>									
Banister Trim/Hand Rail Cover	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Door - Firedoor, Inner Lining	Board	N/A	N/A	NAD	N/A	N/A	SP As	ND0808/11	N/A
Ceiling - Under Stairs	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	10 m2	SP As	ND0799/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	10 m2	SP As	ND0801/11	1 Occasionally disturbed
Floor - Nosing to stairs	Plastic	N/A	N/A	NAD	N/A	N/A	SP As	ND0800/11	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
<b>Block: Main Site Floor: Ground Floor Space Code: 0/12 Room Use: Cupboard - Under Stairs From 0/01</b>									
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	6 m2	ID	ND0815/11	1 Occasionally disturbed
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Plasterboard	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
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**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/13 **Room Use:** Cupboard - Under Stairs

Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	10 m2	SP As	ND0799/11	1	Occasionally disturbed
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Wall	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A

**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/14 **Room Use:** Warehouse

Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Pipework Gasket(s) - Throughout	Gasket	N/A	N/A	NAD	N/A	N/A	SP As	ND0814/11	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Heater - High Level	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Electrical Services - Arch Shields - In Live Switchgear	2 Insulating Board	2 Medium Damage	2 Unsealed Board	2 Amosite	8	0 Non Quantifiable	SP	N/A	0	Unlikely to be disturbed
Ceiling	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Drain Pipe	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Wall - Panels	Metal with plastic coating	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Window - Beading	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Roof - Sheet/Cladding	Metal with plastic coating	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A

**Block:** Main Site **Floor:** Ground Floor **Space Code:** 0/15 **Room Use:** Store Room

Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	0	Unlikely to be disturbed
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	1 Low Damage	0 Composite	1 Chrysotile	3	1 Item(s)	SP As	ND0802/11	1	Occasionally disturbed
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A

**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/01 **Room Use:** Stairs/hall/landing

Boxing - Inspected Within	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A	N/A
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Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
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**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/01 **Room Use:** Stairs/hall/landing

Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	10 m2	ID	ND0801/11	1	Occasionally disturbed
Door - Window Beading	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Banister Trim/Hand Rail Cover	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Floor - Nosing to stairs	Plastic	N/A	N/A	NAD	N/A	N/A	ID	ND0800/11		N/A
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	10 m2	ID	ND0799/11	1	Occasionally disturbed
Ceiling Void - Inspected Within	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	0 Good	0 Composite	1 Chrysotile	2	1 Item(s)	ID	ND0802/11	1	Occasionally disturbed
Ceiling Tile - Suspended, Solid - Within Ceiling Void	2 Insulating Board	3 High Damage	1 Sealed Board	2 Amosite, Chrysotile	8	1 m2	ID	ND0803/11	1	Occasionally disturbed
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A

**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/02 **Room Use:** Room - Large Open Plan

Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	ID	ND0804/11	1	Occasionally disturbed
Drain Pipe - Packing	Loose Material	N/A	N/A	NAD	N/A	N/A	ID	ND0805/11		N/A
Wall - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Drain Pipe	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	0 Good	0 Composite	1 Chrysotile	2	4 Item(s)	SP As	ND0802/11	1	Occasionally disturbed
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	55 m2	SP As	ND0799/11	1	Occasionally disturbed
Boxing - Inspected Within	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Door - Window Beading	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A

**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/03 **Room Use:** Room 1

Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A		N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	0 Good	0 Composite	1 Chrysotile	2	1 Item(s)	SP As	ND0802/11	1	Occasionally disturbed

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
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**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/03 **Room Use:** Room 1

Floor - Covering	Carpet	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (Under floor covering)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	8 m2	SP As	ND0799/11	1 Occasionally disturbed
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
Wall - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/04 **Room Use:** Room 2

Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Solid	Compressed Cellulose	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	0 Good	0 Composite	1 Chrysotile	2	2 Item(s)	SP As	ND0802/11	1 Occasionally disturbed
Floor - Tile (Under floor covering)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	20 m2	SP As	ND0799/11	1 Occasionally disturbed
Wall - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Covering	Carpet	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/05 **Room Use:** Corridor

Ceiling Tile - Suspended, Solid	Compressed Cellulose	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Void - Fire Break(s)	Plasterboard	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Access Panel - To Riser	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Drain Pipe - Packing To Metal Pipe	Loose Material	N/A	N/A	NAD	N/A	N/A	SP As	ND0805/11	N/A
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Drain Pipe	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Drain Pipe	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	3 High Damage	0 Composite	1 Chrysotile	5	15 m2	SP As	ND0799/11	1 Occasionally disturbed
Ceiling Void - Inspected Within	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A



Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
<b>Block: Main Site Floor: Floor 1 Space Code: 1/05 Room Use: Corridor</b>									
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
<b>Block: Main Site Floor: Floor 1 Space Code: 1/06 Room Use: Room 3</b>									
Ceiling Tile - Suspended, Solid	Compressed Cellulose	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Covering	Carpet	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	0 Good	0 Composite	1 Chrysotile	2	2 Item(s)	SP As	ND0802/11	1 Occasionally disturbed
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Void - Inspected Within	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Void - Fire Break(s)	Plasterboard	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (Under floor covering)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	20 m2	SP As	ND0799/11	1 Occasionally disturbed
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
<b>Block: Main Site Floor: Floor 1 Space Code: 1/07 Room Use: Plant Room</b>									
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Window - Sill	1 Composite Resinous/Reinforced Plastics	0 Good	0 Composite	1 Chrysotile	2	1 Item(s)	SP As	ND0802/11	1 Occasionally disturbed
Ceiling	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Machinery/Mechanical Services - Air Handlers - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Electrical Services - Inspected Within	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Electrical Services - Arch Shields - In Live Switchgear	2 Insulating Board	1 Low Damage	2 Unsealed Board	2 Amosite	7	6 Item(s)	SP	N/A	0 Unlikely to be disturbed
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
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**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/08 **Room Use:** Hallway/passageway To Kitchen

Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Floor - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	4 m2	SP As	ND0801/11	1 Occasionally disturbed
Wall - Skirting	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/09 **Room Use:** Kitchen

Window - Sill	1 Composite Resinous/Reinforced Plastics	1 Low Damage	0 Composite	1 Chrysotile	3	1 Item(s)	SP As	ND0802/11	1 Occasionally disturbed
Under Sink Mat	1 Composite Bitumen	2 Medium Damage	0 Composite	1 Chrysotile	4	2 Item(s)	ID	ND0806/11	1 Occasionally disturbed
Tank	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	6 m2	SP As	ND0801/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Wall - Skirting	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

**Block:** Main Site **Floor:** Floor 1 **Space Code:** 1/10 **Room Use:** Wash Room

Wall - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Toilet Cistern(s)	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	6 m2	SP As	ND0801/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Wall - Skirting	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
<b>Block: Main Site Floor: Floor 1 Space Code: 1/11 Room Use: Toilet(s) - Male</b>									
Stench Pipe - Vertical - Within Boxing Vertical	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Void - Inspected Within	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Tile	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Toilet Cistern(s) - X3	Ceramic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Tile (with adhesive) - To Entrance Only	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	3 High Damage	0 Composite	1 Chrysotile	5	1 m2	SP As	ND0799/11	1 Occasionally disturbed
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Void - Pipe Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ductwork	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ductwork - Joint(s)	1 Composite Mastics	1 Low Damage	0 Composite	1 Chrysotile	3	0 Non Quantifiable	SP As	ND0804/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Modern	Plasterboard	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Boxing - Vertical - Inspected Within	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Lining - To L1/11	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling Tile - Suspended, Solid - To Shower Only	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	2 m2	SP As	ND0801/11	1 Occasionally disturbed

**Block: Main Site Floor: Floor 1 Space Code: 1/12 Room Use: Stairs/hall/landing**

Window - Sill	1 Composite Resinous/Reinforced Plastics	0 Good	0 Composite	1 Chrysotile	2	1 Item(s)	SP As	ND0802/11	1 Occasionally disturbed
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block and Plaster	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Skirting	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Banister Trim/Hand Rail Cover	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor - Nosing to stairs	Plastic	N/A	N/A	NAD	N/A	N/A	SP As	ND0800/11	N/A
Ceiling Tile - Suspended, Solid	2 Insulating Board	1 Low Damage	1 Sealed Board	2 Amosite, Chrysotile	6	10 m2	SP As	ND0801/11	1 Occasionally disturbed
Floor - Tile (with adhesive)	1 Composite Vinyl Tile, Vinyl/Lino with adhesive	1 Low Damage	0 Composite	1 Chrysotile	3	10 m2	SP As	ND0799/11	1 Occasionally disturbed
Ceiling Tile - Suspended, Solid - Sample Point - No Access Within/beyond - Presume Acms	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Door - Window Beading	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

Sample Point	Product Type	Condition	Surface Treatment	Result	Risk Score	Qty	Level of ID	Analyst Code	Accessibility
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**Block:** Main Site **Floor:** Floor 1, Loft **Space Code:** L1/11 **Room Use:** Tank Room

Ceiling	Wood wool Block/Stramit board	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Insulation	Foam	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Tank	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Tank Insulation	Polystyrene	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Floor	Concrete	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Pipework Insulation	Fibre-glass/Rockwool	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

**Block:** Main Site **Floor:** External **Space Code:** E/1 **Room Use:** External

Roof - Room/area - No Access Within/beyond - Presume Acms - Physically Restricted	N/A	N/A	N/A	N/A	N/A	N/A	No Access	N/A	N/A
Window - Infill Panel	Metal	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Door - Header Panel	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall - Sheet/Cladding	Metal with plastic coating	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Wall	Brick/Block	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Damp Proof Course	Plastic	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A
Ceiling - Over Entrance	Wood/Timber	N/A	N/A	NAD	N/A	N/A	SP	N/A	N/A

**Key:**

 Likely to require a licensed asbestos removal contractor for any works.

 Unlikely to require a licensed asbestos removal contractor for any works.

 No Access / Limited Access to area(s).

SP denotes Strongly Presumed

ID denotes sample taken/analysed using microscopy

P denotes Presumed

SP As denotes Strongly Presumed from an Identified Sample

ID (Comp) denotes composite sample from more than one area relating to referenced analyst code.

Risk Scores: Very Low: 2 - 4 Low: 5 - 6 Medium: 7 - 9 High: 10 - 12

# Section 4: Asbestos Register

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MIS Environmental Limited, Eden House, Unit 2, Watling Street Industrial Estate  
Leadgate, Consett, Co. Durham. DH8 6TA  
Tel/Fax: (01207) 500463/590240 Email: [info@mis-environmental.co.uk](mailto:info@mis-environmental.co.uk)

















# Section 4: Asbestos Register

<b>Room</b>	Main Site, Toilet(s) - 0/09, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	

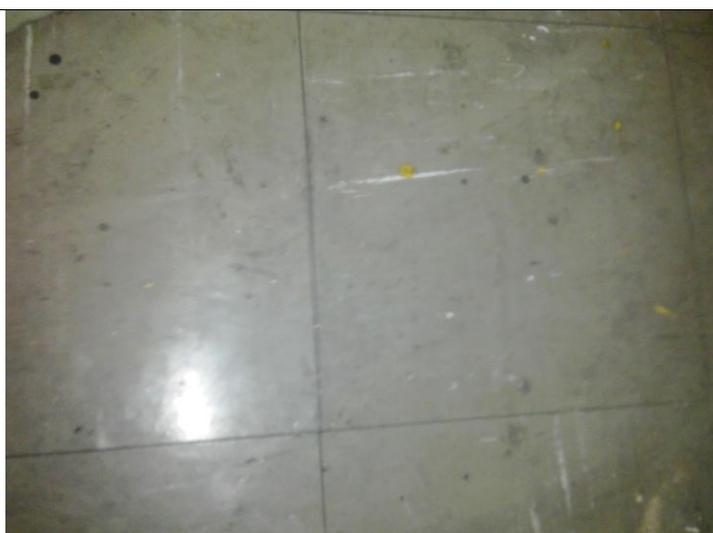


DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Toilet(s) - 0/09, Floor - Tile (with adhesive) - To Entrance Only					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0815/11	6 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	High Damage	Composite	Chrysotile	5	LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

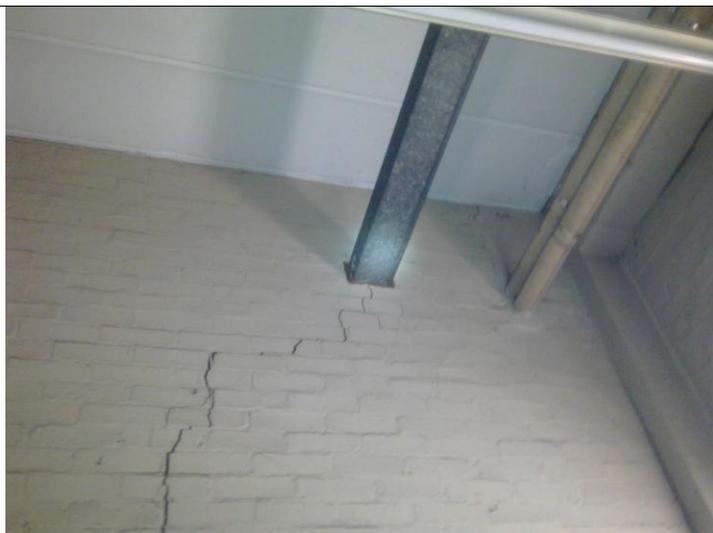






# Section 4: Asbestos Register

<b>Room</b>	Main Site, Store Room - 0/15, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Store Room - 0/15, Window - Sill					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0802/11	1 Item(s)	Composite Resinous/Reinforced Plastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	

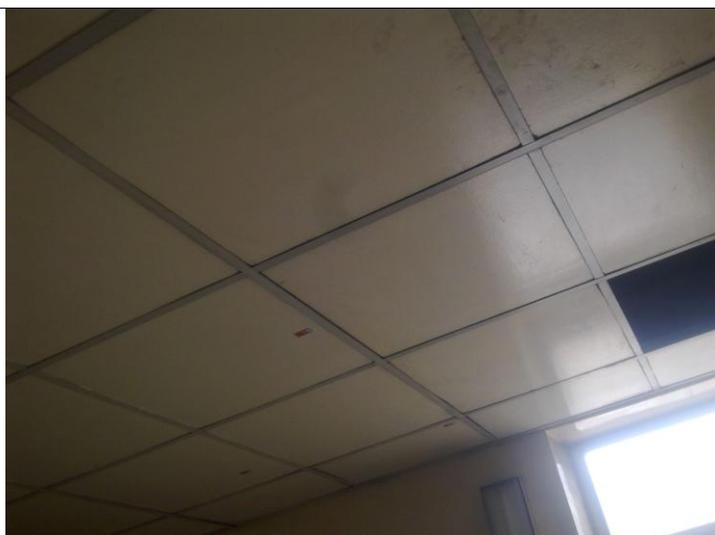


DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Stairs/hall/landing - 1/01, Ceiling Tile - Suspended, Solid					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
ID	ND0801/11	10 m2	Insulating Board	Low Damage	Sealed Board	Amosite, Chrysotile	6	LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Stairs/hall/landing - 1/01, Floor - Tile (with adhesive)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
ID	ND0799/11	10 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Stairs/hall/landing - 1/01, Window - Sill					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
ID	ND0802/11	1 Item(s)	Composite Resinous/Reinforced Plastics	Good	Composite	Chrysotile	2	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Stairs/hall/landing - 1/01, Ceiling Tile - Suspended, Solid - Within Ceiling Void					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
ID	ND0803/11	1 m2	Insulating Board	High Damage	Sealed Board	Amosite, Chrysotile	8	MEDIUM RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Room - Large Open Plan - 1/02, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
ID	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



Typical duct mastic throughout first floor

DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Room - Large Open Plan - 1/02, Window - Sill					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0802/11	4 Item(s)	Composite Resinous/Reinforced Plastics	Good	Composite	Chrysotile	2	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:



# Section 4: Asbestos Register

<b>Room</b>	Main Site, Room 1 - 1/03, Floor - Tile (Under floor covering)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0799/11	8 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Room 1 - 1/03, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Room 2 - 1/04, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



Typical duct mastic throughout first floor

DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Room 2 - 1/04, Window - Sill					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0802/11	2 Item(s)	Composite Resinous/Reinforced Plastics	Good	Composite	Chrysotile	2	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Room 2 - 1/04, Floor - Tile (Under floor covering)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0799/11	20 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	

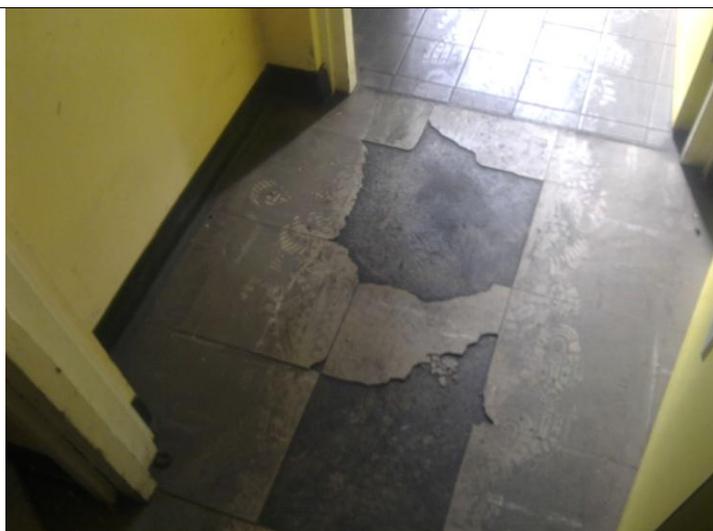


DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Corridor - 1/05, Floor - Tile (with adhesive)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0799/11	15 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	High Damage	Composite	Chrysotile	5	LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Room 3 - 1/06, Window - Sill					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0802/11	2 Item(s)	Composite Resinous/Reinforced Plastics	Good	Composite	Chrysotile	2	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Room 3 - 1/06, Floor - Tile (Under floor covering)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0799/11	20 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Room 3 - 1/06, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Plant Room - 1/07, Window - Sill					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0802/11	1 Item(s)	Composite Resinous/Reinforced Plastics	Good	Composite	Chrysotile	2	VERY LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Plant Room - 1/07, Electrical Services - Arch Shields - In Live Switchgear					<b>Survey Date</b>	13/09/2011	
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>
SP	N/A	6 Item(s)	Insulating Board	Low Damage	Unsealed Board	Amosite	7	MEDIUM RISK



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Plant Room - 1/07, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011	
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>
SP As	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:



# Section 4: Asbestos Register

<b>Room</b>	Main Site, Kitchen - 1/09, Under Sink Mat					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
ID	ND0806/11	2 Item(s)	Composite Bitumen	Medium Damage	Composite	Chrysotile	4	VERY LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Kitchen - 1/09, Ceiling Tile - Suspended, Solid					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0801/11	6 m2	Insulating Board	Low Damage	Sealed Board	Amosite, Chrysotile	6	LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Wash Room - 1/10, Ceiling Tile - Suspended, Solid					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0801/11	6 m2	Insulating Board	Low Damage	Sealed Board	Amosite, Chrysotile	6	LOW RISK	

	<p>DUTYHOLDER NOTES:</p> <p>Reinspection Due:</p>
	<p>Removal Date:</p>

<b>Room</b>	Main Site, Toilet(s) - Male - 1/11, Floor - Tile (with adhesive) - To Entrance Only					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0799/11	1 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	High Damage	Composite	Chrysotile	5	LOW RISK	

	<p>DUTYHOLDER NOTES:</p> <p>Reinspection Due:</p>
	<p>Removal Date:</p>

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Toilet(s) - Male - 1/11, Ductwork - Joint(s)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0804/11	0 Non Quantifiable	Composite Mastics	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



Typical duct mastic throughout first floor

DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Toilet(s) - Male - 1/11, Ceiling Tile - Suspended, Solid - To Shower Only					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0801/11	2 m2	Insulating Board	Low Damage	Sealed Board	Amosite, Chrysotile	6	LOW RISK	



DUTYHOLDER NOTES:  
Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Stairs/hall/landing - 1/12, Window - Sill					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0802/11	1 Item(s)	Composite Resinous/Reinforced Plastics	Good	Composite	Chrysotile	2	VERY LOW RISK	

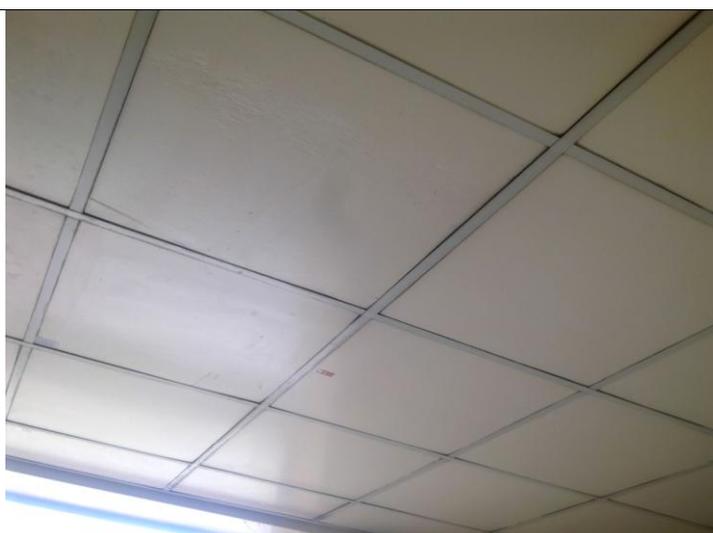


DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

<b>Room</b>	Main Site, Stairs/hall/landing - 1/12, Ceiling Tile - Suspended, Solid					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0801/11	10 m2	Insulating Board	Low Damage	Sealed Board	Amosite, Chrysotile	6	LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

# Section 4: Asbestos Register

<b>Room</b>	Main Site, Stairs/hall/landing - 1/12, Floor - Tile (with adhesive)					<b>Survey Date</b>	13/09/2011		
<b>Level of ID</b>	<b>Analyst Code</b>	<b>Quantity</b>	<b>Product</b>	<b>Condition</b>	<b>Surface Treatment</b>	<b>Result</b>	<b>Material Score</b>	<b>Risk Category</b>	
SP As	ND0799/11	10 m2	Composite Vinyl Tile, Vinyl/Lino with adhesive	Low Damage	Composite	Chrysotile	3	VERY LOW RISK	



DUTYHOLDER NOTES:

Reinspection Due:

Removal Date:

# Section 5: Plans

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# PLAN KEY

**Customer:** Sahaviriya Steel Industries UK Ltd  
**Survey Date:** 13/09/2011  
**Site:** P4 Pellet Plant Workshops , Restart Program, SSI UK, Redcar Main Gate, Trunk Road, Redcar, TS10 5QW.

Listed below is a summary of the asbestos containing materials found on site:

## **Block: Main Site**

<u>Plan No</u>	<u>Room use</u>	<u>Material</u>	<u>Material Key</u>
0/01	Staircase/stairwell	Insulating Board	 Insulating Board
0/01	Staircase/stairwell	Composite Vinyl Tile, Vinyl/Lino with adhesive	 Vinyl Tiles
0/02	Workshop	Composite Resinous/Reinforced Plastics	 Composites
0/03	Store Room	Insulating Board	 Insulating Board
0/03	Store Room	Composite Vinyl Tile, Vinyl/Lino with adhesive	 Vinyl Tiles
0/04	Store Room 2	Composite Resinous/Reinforced Plastics	 Composites
0/05	Office	Insulating Board	 Insulating Board
0/05	Office	Composite Resinous/Reinforced Plastics	 Composites
0/05	Office	Composite Vinyl Tile, Vinyl/Lino with adhesive	 Vinyl Tiles

<b>Project Ref. No:</b>	<b>Report No:</b>	<b>Office Code:</b>
25860	190590	Con

Page 1 of 5

# PLAN KEY

**Customer:** Sahaviriya Steel Industries UK Ltd  
**Survey Date:** 13/09/2011  
**Site:** P4 Pellet Plant Workshops , Restart Program, SSI UK, Redcar Main Gate, Trunk Road, Redcar, TS10 5QW.

Listed below is a summary of the asbestos containing materials found on site:

0/06	Workshop 2	Composite Mastics		Composites
0/07	Switch Room	Composite Mastics		Composites
0/08	Plant Room	Composite Mastics		Composites
0/09	Toilet(s)	Composite Mastics		Composites
0/09	Toilet(s)	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
0/10	Room - Small Tea Room	Insulating Board		Insulating Board
0/11	Staircase/stairwell	Insulating Board		Insulating Board
0/11	Staircase/stairwell	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
0/12	Cupboard - Under Stairs From 0/01	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles

<b>Project Ref. No:</b>	<b>Report No:</b>	<b>Office Code:</b>
25860	190590	Con

Page 2 of 5

# PLAN KEY

**Customer:** Sahaviriya Steel Industries UK Ltd  
**Survey Date:** 13/09/2011  
**Site:** P4 Pellet Plant Workshops , Restart Program, SSI UK, Redcar Main Gate, Trunk Road, Redcar, TS10 5QW.

Listed below is a summary of the asbestos containing materials found on site:

0/13	Cupboard - Under Stairs	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
0/14	Warehouse	Insulating Board		Insulating Board
0/15	Store Room	Composite Resinous/Reinforced Plastics		Composites
1/01	Stairs/hall/landing	Insulating Board		Insulating Board
1/01	Stairs/hall/landing	Composite Resinous/Reinforced Plastics		Composites
1/01	Stairs/hall/landing	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
1/02	Room - Large Open Plan	Composite Mastics		Composites
1/02	Room - Large Open Plan	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
1/03	Room 1	Composite Resinous/Reinforced Plastics		Composites
1/03	Room 1	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles

Project Ref. No:	Report No:	Office Code:
25860	190590	Con

Page 3 of 5

# PLAN KEY

**Customer:** Sahaviriya Steel Industries UK Ltd  
**Survey Date:** 13/09/2011  
**Site:** P4 Pellet Plant Workshops , Restart Program, SSI UK, Redcar Main Gate, Trunk Road, Redcar, TS10 5QW.

Listed below is a summary of the asbestos containing materials found on site:

1/04	Room 2	Composite Resinous/Reinforced Plastics		Composites
1/04	Room 2	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
1/05	Corridor	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
1/06	Room 3	Composite Resinous/Reinforced Plastics		Composites
1/06	Room 3	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
1/07	Plant Room	Insulating Board		Insulating Board
1/07	Plant Room	Composite Mastics		Composites
1/08	Hallway/passageway To Kitchen	Insulating Board		Insulating Board
1/09	Kitchen	Insulating Board		Insulating Board
1/09	Kitchen	Composite Resinous/Reinforced Plastics		Composites

Project Ref. No:	Report No:	Office Code:
25860	190590	Con

Page 4 of 5

# PLAN KEY

**Customer:** Sahaviriya Steel Industries UK Ltd  
**Survey Date:** 13/09/2011  
**Site:** P4 Pellet Plant Workshops , Restart Program, SSI UK, Redcar Main Gate, Trunk Road, Redcar, TS10 5QW.

Listed below is a summary of the asbestos containing materials found on site:

1/10	Wash Room	Insulating Board		Insulating Board
1/11	Toilet(s) - Male	Insulating Board		Insulating Board
1/11	Toilet(s) - Male	Composite Mastics		Composites
1/11	Toilet(s) - Male	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles
1/12	Stairs/hall/landing	Insulating Board		Insulating Board
1/12	Stairs/hall/landing	Composite Resinous/Reinforced Plastics		Composites
1/12	Stairs/hall/landing	Composite Vinyl Tile, Vinyl/Lino with adhesive		Vinyl Tiles

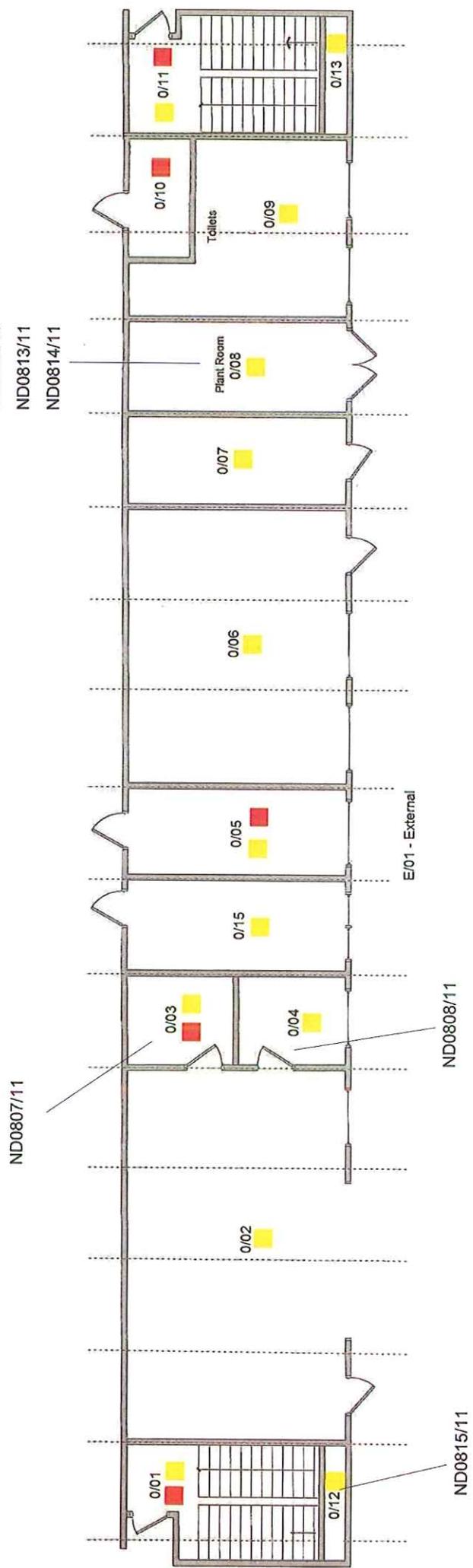
**THESE PLANS MUST BE READ IN CONJUNCTION WITH THE FULL REPORT**

Project Ref. No:	Report No:	Office Code:
25860	190590	Con

Page 5 of 5

Ground Floor

- ND0809/11
- ND0810/11
- ND0811/11
- ND0812/11
- ND0813/11
- ND0814/11



Site: P4 Pellet Plant Workshops, SSI UK, Redcar, TS10 5QW

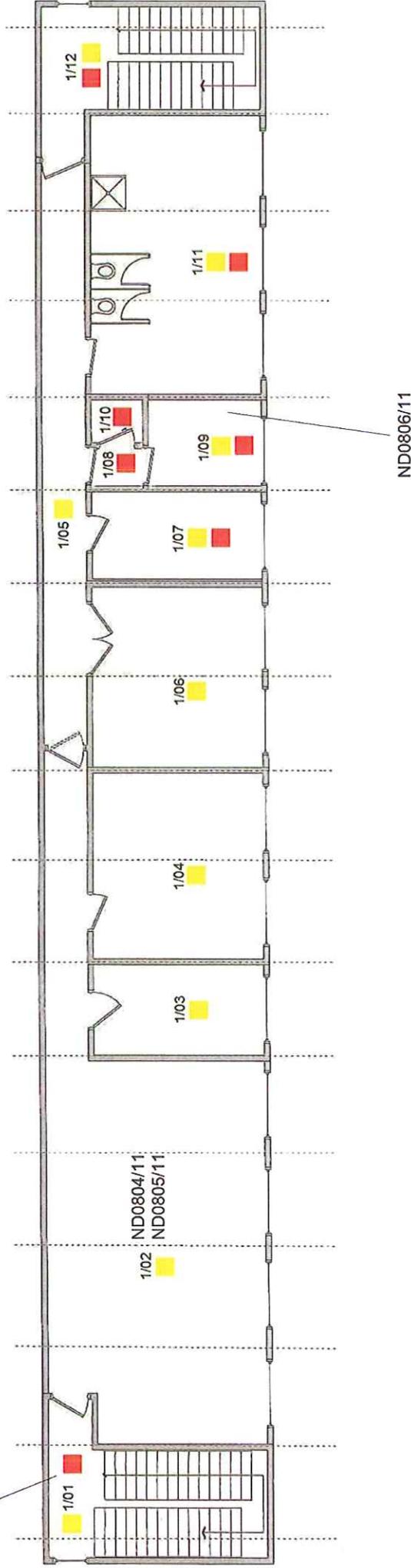


Not to scale - To be read in conjunction with report

Project No.	Job No.	Office
25860	190590	YOR

First Floor

ND0799/11  
 ND0800/11  
 ND0801/11  
 ND0802/11  
 ND0803/11

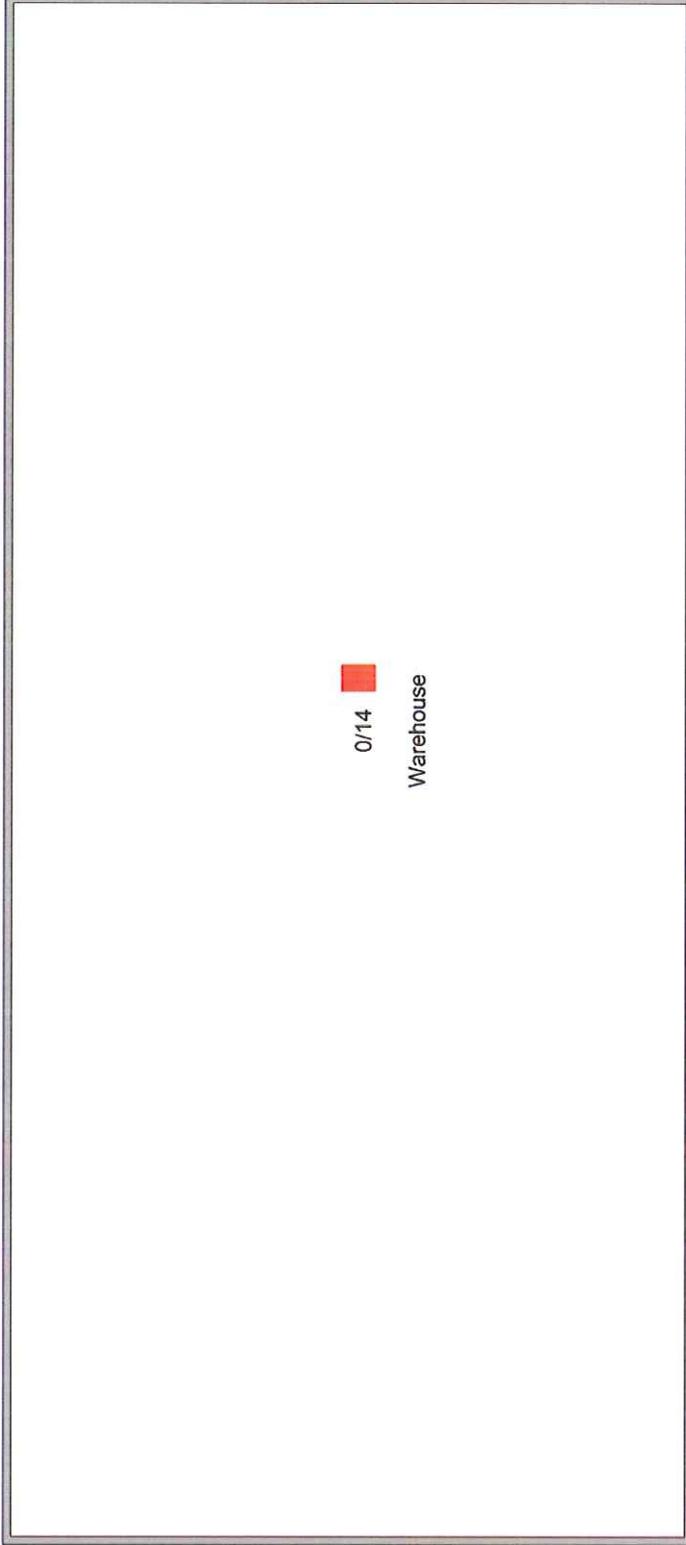


Site: P4 Pellet Plant Workshops, SSI UK, Redcar, TS10 5QW



Not to scale – To be read in conjunction with report

Project No.	Job No.	Office
25860	190590	YOR



Project No.	Job No.	Office
25860	190590	YOR

# Appendix 1: Bulk Analysis

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MIS Ref: 25860/190590 Page 1 of 1



# BULK ANALYSIS REPORT - ENV03



<b>Customer Address:</b> Sahaviriya Steel Industries UK Ltd c/o Financial Shared Services, Tata Steel UK Ltd., PO Box 108, Port Talbot Works Port Talbot, Wales SA13 2NG	<b>Tel No:</b>	
	<b>Fax Number:</b>	
	<b>Order Number:</b>	See job card
	<b>Contact:</b>	Colin Dorward
<b>Sampled By:</b> Adam Calvert; Neil Drayton		<b>Site Location:</b> P4 Pellet Plant Workshops , Restart Program, SSI UK, Redcar Main Gate, Trunk Road, Redcar, TS10 5QW.

**ANALYTICAL PROCEDURE (In house document based on HSE Publication HSG 248 Appendix 2)**

Fibres found in the sample or small portions of the sample were mounted on glass slides in specific refractive index liquids and examined using polarised light and dispersion staining microscopy. Fibres were identified by comparison of their optical properties with those of standard asbestos materials and published data. If only 1-2 asbestos fibres seen - Trace asbestos will be reported. MIS Environmental Limited accepts responsibility only for results obtained from samples received. No responsibility is accepted for errors which may have arisen during the sampling or transportation of the samples by a third party. Re: Artex Samples - analysis is carried out to HSG 248, however we would recommend that SEM (Scanning Electron Microscopy) analysis be used for this type of material. Re: Floor tiles which do not contain asbestos may be affixed using asbestos-containing mastic or bitumen. Where such material is detected, the floor tile to which it is adhered will be reported as containing asbestos.

**KEY:** Crocidolite (Blue Asbestos)      Amosite (Brown Asbestos)      Chrysotile (White Asbestos)      NAD (No asbestos Detected)  
 The analytical method is not quantitative, typical % of asbestos content used in various products is available in HSG264 Appendix 2.

Lab Code	Analyst Code	Sample Details/Location	Material	Result
<i>Dan Kelly - 19/09/2011</i>				
388749	ND0799/11	1/01, Stairs/hall/landing, Floor - Tile (with adhesive)	Composite Vinyl Tile, Vinyl/Lino with adhesive	Chrysotile
<i>&gt; Beige floor tile with chrysotile fibres</i>				
388750	ND0800/11	1/01, Stairs/hall/landing, Floor - Nosing to stairs	Plastic	NAD
<i>&gt; Black plastic with no visible fibres</i>				
388751	ND0801/11	1/01, Stairs/hall/landing, Ceiling Tile - Suspended, Solid	Insulating Board	Amosite, Chrysotile
<i>&gt; Board with multiple asbestos fibres</i>				
388752	ND0802/11	1/01, Stairs/hall/landing, Window - Sill	Composite Resinous/Reinforced Plastics	Chrysotile
<i>&gt; Black plastic with chrysotile fibres</i>				
388753	ND0803/11	1/01, Stairs/hall/landing, Ceiling Tile - Suspended, Solid, Within Ceiling Void	Insulating Board	Amosite, Chrysotile
<i>&gt; Board with multiple asbestos fibres</i>				
388754	ND0804/11	1/02, Room - Large Open Plan, Ductwork - Joint(s)	Composite Mastics	Chrysotile
<i>&gt; Brown/red mastic with chrysotile fibres</i>				
388755	ND0805/11	1/02, Room - Large Open Plan, Drain Pipe, Packing	Loose Material	NAD
<i>&gt; Loose material with no visible fibres</i>				
388756	ND0806/11	1/09, Kitchen, Under Sink Mat	Composite Bitumen	Chrysotile

\* Comments, observations and opinions are outside of the UKAS Accreditation Scope.

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<b>Project Ref. No:</b>	<b>Job No:</b>	<b>Office Code:</b>
25860	190590	Man

Lab Code	Analyst Code	Sample Details/Location	Material	Result
> Bitumen with chrysotile fibres				
388757	ND0807/11	0/03, Store Room, Floor - Tile (with adhesive)	Composite Vinyl Tile, Vinyl/Lino with adhesive	Chrysotile
> Grey floor tile with chrysotile fibres in the adhesive				
388758	ND0808/11	0/04, Store Room 2, Door - Firedoor, Inner Lining	Board	NAD
> Board with non asbestos fibres				
388759	ND0809/11	0/08, Plant Room, Pipework Insulation, Outer Green	Thermal Insulation Lagging	NAD
> Lagging with non asbestos fibres				
388760	ND0810/11	0/08, Plant Room, Pipework Insulation, Middle Green	Thermal Insulation Lagging	NAD
> Lagging with MMMF				
388761	ND0811/11	0/08, Plant Room, Pipework Insulation, Inner Green	Thermal Insulation Lagging	NAD
> Lagging with MMMF				
388762	ND0812/11	0/08, Plant Room, Pipework Insulation, Silver Composite	Thermal Insulation Lagging	NAD
> Lagging with MMMF				
388763	ND0813/11	0/08, Plant Room, Debris/Residue, To Pipes Throughout	Thermal Insulation Lagging	NAD
> Lagging with non asbestos fibres				
388764	ND0814/11	0/08, Plant Room, Pipework Gasket(s), Throughout	Gasket	NAD
> Gasket with non asbestos fibres				
388765	ND0815/11	0/12, Cupboard - Under Stairs From 0/01, Floor - Tile (with adhesive)	Composite Vinyl Tile, Vinyl/Lino with adhesive	Chrysotile
> Floor tile with chrysotile fibres				

**This document has been electronically signed by:**

Dan Kelly (Bulk Analyst) - 19/09/2011

\* Comments, observations and opinions are outside of the UKAS Accreditation Scope.

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Tel: (0845) 0020165 / Fax: (0845) 0020681 E-mail: [Info@mis-environmental.co.uk](mailto:Info@mis-environmental.co.uk)

Project Ref. No:	Job No:	Office Code:
25860	190590	Man

# Appendix 2: Technical Information

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## Introduction

There are two types of asbestos building survey and a condition inspection. The exact type and scope of this survey is detailed in Section 1. Broadly speaking, the types can be summarised as follows:

**Management Survey** - a comprehensive survey of readily accessible surfaces and easily accessible voids. The Management Survey does not involve destructive sampling / intrusion, but may involve limited controlled intrusion by prior agreement.

**Refurbishment / Demolition** – An in-depth, exhaustive investigation of a building prior to demolition, or controlled and targeted intrusive investigation into a specific area or related to a specific project or refurbishment area, such as IT cabling installation or kitchen / bathroom improvements.

**Re-inspection Audit** – Review of the original survey showing historical changes to ACMs in accordance with the Control of Asbestos Regulations 2006.

This survey is a Refurbishment and Demolition Survey. Further detail regarding its purpose and scope is given in Section 1.

## Desk Top Study

Before commencing the building survey, the customer commissioning the work is requested to supply the following information to MIS Environmental Limited:

HSG264 Box 7: Information to be collected by the surveyor

- Description and use of the property (i.e. industrial, office, retail, domestic, education, health care etc.)
- Number of buildings: age, type and construction details
- Number of rooms / spaces
- Any unusual features, underground sections
- Details about whether the buildings have been extended, adapted or refurbished, and if they have, when the work was done.
- Any plant or equipment installed
- Whether a listed building, conservation area etc.
- Type, Extent and scope of survey required (possibly mark details on a site plan)
- Current plans or drawings of the site
- Previous plans, including architect's original drawings and specifications and subsequent plans for major changes and refurbishments
- Whether premises are vacant or occupied
- Any restrictions on access
- Special requirements or instructions
- Responsibility and arrangements for access
- Whether survey damage is to be made good (refurbishment / demolition surveys)
- Site-specific hazards (mechanical, electrical, chemical etc.)
- Responsibility for isolation of services, power, gas, chemicals etc.
- Working machinery or plant (including lifts) to be made safe
- If photos are to be taken
- How many bulk samples will be necessary (note: these may be subcontracted to another UKAS lab)
- The location of all services, heating and ventilation ducts, plant rooms, riser shafts and lift shafts
- Details of any previous asbestos surveys (Type 1/2/3 Surveys), current asbestos registers and all records of asbestos removal or repairs
- Information on possible repairs to ACMs, e.g. pipe/thermal insulation
- History of the site: any buildings previously demolished; presence of underground ducts or shafts etc.

## ACCESS RESTRICTIONS



MIS Environmental Limited, Eden House, Unit 2, Watling Street Industrial Estate  
Leadgate, Consett, Co. Durham. DH8 6TA  
Tel/Fax: (01207) 500463/590240 Email: info@mis-environmental.co.uk

MIS Ref: 25860/190590 Page 1 of 6



The surveyor will not put himself at risk during the survey. The client will have been requested to reach agreement on various aspects during Contract Review and informed that failure to reach agreement or provide direction on such matters could potentially limit the effectiveness and accuracy of the survey. As such, the survey could be restricted by the absence of any of the following:

- A pre-start site inspection with someone familiar with the premises.
- A contact person familiar with the building(s) to be surveyed
- Assistance with access to locked rooms, ducts, plant rooms etc.
- Agreement on approach/costs associated with access to areas over 3m in height.
- Agreement on approach/costs/assistance with access to floors / sealed service risers.
- Agreement on approach/costs/assistance with confined spaces or other building hazards
- Agreement on requirement and costs associated with provision of lighting where natural or electrical lighting is absent or insufficient for the needs of the surveyor.
- Agreement on areas where access must be made to floor, wall and ceiling cavities and sealed service risers where hand tools are insufficient.

Further, without the Client providing dedicated technical assistance from approved contractors of the relevant discipline, the surveyor will not gain access to the following:

- Live electrical appliances
- Live gas appliances
- Areas with biological hazards including rooms infested by vermin or insects, rooms with flooded toilets, discarded syringes etc. where these have not been raised by the client or addressed in the method statement / risk assessment.
- Areas with chemical hazards not specifically raised by the client addressed in the method statement / risk assessment.
- Beyond areas with an asbestos barrier.
- Areas considered being unstable or unsafe due to fire or other damage or deterioration unless considered Declared safe in writing by a structural engineer or other qualified competent person contracted by the client.

### Survey Method

The survey is conducted to current asbestos legislation and surveying guidance (see bibliography) and the MIS Environmental Limited Internal Quality Management System Procedures.

In order to locate asbestos materials and determine the recommended action, the surveyor enters each area of the building or specified survey area, where practical and safe to do so. Frequency of access is reduced where such access would cause disturbance of asbestos materials or health and safety issues are identified or the building is under occupation during the survey or must be returned to occupation following the survey.

Where buildings remain under occupation, such as in partial surveys or refurbishment surveys in occupied properties, it may be necessary to reduce sampling frequency (and / or levels of invasion) or to adopt discreet sampling regimes more sensitive to the occupant's needs, health and demeanour. It is MIS Environmental policy not to sample in occupied rooms, therefore when areas cannot be vacated by their occupants or where the occupants are unwilling or unable to leave the surveyors alone to carry out sampling, samples will not be taken. This is particularly relevant in domestic properties under occupation, such conditions will generally be agreed with the client at Contract Review stage.

The surveyor inspects the construction materials at locations where access is obtained to achieve confidence in the presence and type of asbestos materials.

Limited destruction / additional intrusion is normally carried out by way of hand tools and with the client's authorisation may extend to use of floor breakers and powered tools where deemed safe and suitable to do so. The purpose of the survey is critical to determining the extent and type of intrusive investigation required and this is discussed and agreed with the client either ahead of work commencing in Contract Review, or where this is not possible, on site and documented in triplicate, signed by the Client's representative. This is particularly important for Refurbishment Surveys, where both parties seek to avoid creating unnecessary damage investigating areas out-with the intended scope of works.

The client will have been requested to remove items such as tenant's possessions that may impede the progress of the survey. Where the survey is required in occupied areas, MIS take no responsibility for any accidental or incidental damage caused as a result of the survey.

In some instances where the surveyor has other information / evidence relating to the property and its' materials (such as previous survey reports, Bills of Quantity from construction, or views from already damaged areas) he may feel he has sufficient information to make a strong presumption from this evidence. These situations can reduce the number of collected samples recommended in current guidance.



The survey information is recorded in a controlled manner. Each survey location is identified by a unique Space Code reference number assigned by the surveyor (where possible this is done sympathetically with any existing site room numbering system in mind) along with the room name, number or a description of the purpose of the area as observed on-site. In each area the surveyor records information about the building's structural components and common room elements investigated. Particular attention is paid to elements with a known history of potential asbestos content or which may be confused with asbestos materials by a layman.

During the survey, materials suspected of containing asbestos are identified based on the surveyor's training and knowledge of the historic use of asbestos-containing products. Visual identifications of suspect materials are supported by evidence obtained through the collection and analysis of bulk samples using microscopy. It is known that inconsistencies within construction or later repair or renovation may result in deviation from the general pattern represented by the sampling. Without sampling every square metre of wall, every linear metre of pipe section, every ceiling tile etc. it is not possible to definitively characterise every material present with 100% accuracy, indeed, even bulk sampling with such regularity would not guarantee 100% success due to variations in the make-up of the material itself. Any samples taken are considered to be representative of any mechanical insulation, sprayed insulation, ceiling tiles, etc. Visual identification of materials that are visually similar are strongly presumed and traceable to the materials where samples were collected.

The information collected during the survey is used to compile the report.

### **Commonly Encountered Asbestos Products**

During the survey, particular attention is focused on the following materials with an established history of asbestos content, as limited by accessibility of the material and health and safety considerations.

**Although not exhaustive, the majority of common asbestos containing materials are listed here in descending order of friability:**

#### **Sprayed / Hand Applied Materials:**

- Fire Protection
- Thermal Insulation
- Acoustic Insulation (Texture finishes/decorative purposes (Not Artex)).

#### **Insulation On:**

- Boilers and tanks
- Ductwork
- Exhausts
- Pipes
- Equipment and machinery

#### **Asbestos Insulation Board Products:**

- Door protection
- Ceilings
- Insulation panels / fire-breaks
- Boxing
- Suspended ceiling tiles
- Cladding to structural columns

#### **Decorative Coatings**

Some types of decorative finish such as Artex and textured coatings etc. can contain small amounts of asbestos fibre. The content and consistency can vary a great deal over a coated surface, both in area and depth of sample. This type of material is generally regarded as being low hazard risk due to its negligible friability. In tenanted properties, often only small samples can be collected in occupied buildings due to the damage to decor etc. 2 or 3 scrapings of coated surfaces in different areas of the material are taken to achieve a sample size of 20mm<sup>2</sup> minimum. Analysis is carried out using Polarised Light Microscopy (PLM) - Scanning Electron Microscopy analysis and multi-sample collection is only carried out if specifically requested by the client.

#### **Composite Sampling of Decorative Coatings ( ID(Comp) )**

Composite sampling of decorative coatings is regularly undertaken. This allows material from up to 3 rooms or 25m<sup>2</sup> area originating from an ostensibly similar source to be compiled into a single sample, facilitating analysis of all surfaces without generating large numbers of samples, thereby minimising cost without reducing the likelihood of identifying asbestos within the surfaces / rooms included within the composite sample. Due to the low concentration and sporadic distribution of asbestos in decorative coatings, it is good practise where a textured coating in one area is found to contain asbestos, to strongly presume adjacent areas to contain the same asbestos material, hence net accuracy of survey reporting is not significantly reduced by inclusion of all such adjacent surfaces in a single sample.

## Pipe Debris

Only limited inspections are carried out on pipe-work concealed by overlying non-asbestos insulation. Inspection of pipe-work is restricted primarily to the insulation visible and (on demolition surveys or by prior agreement) selective removal of sections of insulation to inspect below. The presence of residue to pipe-work, which is not readily visible or would require the removal and replacement of large quantities of overlying non-asbestos insulation may occasionally escape detection and will therefore be presumed to be present where it cannot be accessed.

## Other Asbestos Products

The report also identifies non-friable or potentially friable materials found during the survey.

It should be noted some non-friable products may be present that were not identified due to concealment or sporadic replacement of sections of materials. Such materials may be anticipated during demolition, noted by Asbestos Awareness trained contractors and easily disposed of in a controlled fashion without undue concern or delay.

Examples of these products include:

- Tape or mastic on joints of ductwork
- Expansion joints
- Packing / rawl plugs
- Gaskets

A practical consideration in surveying for vinyl floor coverings and floor tiles is that many patterns and colours may be present. Visually identical tiles may or may not contain asbestos as some tiles may have been replaced.

The majority of vinyl tiles produced in the 1970's contained asbestos, and it remains common in floor tiles from other periods, therefore all vinyl tiles in buildings where analysis has shown some asbestos tiles to be present could be assumed to contain asbestos for the avoidance of confusion. The possible overestimation of the extent of asbestos floor tiles should not pose an undue difficulty, as the controls required for work on non-friable materials are relatively simple and inexpensive to follow.

## Warranty

Due to the nature of the building construction, some limitations may exist as to the possible completeness of the survey. Examples of these limitations (such as fire-doors in the case of refurbishment surveys in occupied properties) are identified within this section of the report.

The field observations, measurements, and analysis are considered sufficient in detail and scope to form a reasonable basis for a general asbestos hazard assessment of the building.

MIS Environmental Limited warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos hazard evaluation methods, for the building or specified area referenced in this report.

## Residential Properties

The following convention is used to identify rooms in residential properties where no survey plan is employed. Each room is indicated by two numbers separated by a slash. The number before the slash indicates the floor, with 0 being ground. The number after the slash is the assigned space code, these are assigned as follows.

On the ground floor, the first room accessed by the main (Front) entrance is designated 1, with the first room on the left being 2 and then progressing in a clockwise direction.

The first room on the left of the stairs or main entrance to the corridor or landing is designated as Room 1, with further rooms of that type numbered clockwise around the landing or corridor from which they are entered.

## Archetype Registers / Worst Case Scenario Reports

Current Surveying Guidance highlights the need to develop a register of ACMs per building type, rather than on an individual basis, allowing the client to examine the summation of information about asbestos content within each property type to inform his works and management of all buildings within the type. This reduces the likelihood of errors and inaccuracies arising from tenants distracting the surveyor, tenants' possessions impeding the survey, or the presence of over-boarding or replacement of ACMs disguising their presence leading to disturbance during maintenance or other minor works. MIS willingly offer this service at cost to the client, but cannot be expected to provide it either free of charge, without request, or without detailed archetype information being provided by the client alongside address lists allowing MIS surveyors to easily identify which properties fall within each archetype. It is the client's responsibility to provide such information and without it, no archetype register can be prepared.

## Communal Areas

For the purposes of the survey, a Communal Area is defined as any space or area that is accessible to the general public, authorised personnel or shared by various occupants of a property and not specifically owned or rented by a named occupant for the express purpose of exclusive domestic use. Such areas include but are not limited to:

- Walkways
- Passages / Corridors
- Stairs / Lobby / Foyer
- Laundry / Washroom



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MIS Ref: 25860/190590 Page 4 of 6



- Shared Day Room / Game Room / Sitting Room
- Bin Cupboards / Stores / Bike Sheds
- Shared Kitchens / Offices / Workshops
- Shared Bathrooms / Toilets / Showers
- External Areas
- Plant / Service rooms

### **Bulk Analysis of Samples**

Bulk sample analysis is conducted by using Polarised Light and Dispersion Staining techniques as set out in current guidance HSG 248. Dispersion Staining is used to ascertain the colour effects produced when a transparent colourless particle or fibre is immersed in a liquid having a refractive index near to that of the particle or fibre, and is viewed under a microscope using transmitted white light. A UKAS accredited laboratory undertakes all analysis.

### **Professional Indemnity Insurance Clauses**

#### **SAMPLES WARRANTY**

It is hereby warranted that the following clause is to be enforced on all reports and certificates.

"Certified that the above mentioned samples/parts/materials have been tested/examined in accordance with the terms of the contract/order applicable and unless otherwise stated conform fully to the standards/ specifications quoted. This does not however, guarantee the balance of production from which the tested samples/parts/materials have been taken to be of equal quality".

For the avoidance of doubt "injury" includes death, illness or disease.

It is understood and agreed that no survey can guarantee that all the asbestos present in a building has been identified and the underwriters shall only be liable for claims arising out of financial loss if there is a negligent mis-statement in respect of those specific areas identified as having been tested and or investigated.

It is agreed that where the Assured provide advice and guidance relating to the removal of asbestos such advice is limited to identification and safe elimination of asbestos and is qualified by a statement avoiding liability arising out of the demolition, dismantling and / or removal, of asbestos material.

MIS Environmental Limited is committed to providing a comprehensive and quality service to their clients, if you experience any problems then please contact us at the earliest convenience so we can endeavour to rectify them and maintain customer satisfaction.

A number of material types and areas that may contain asbestos may not be included in a Refurbishment Survey except where identified in the client's scope of works, as they are not readily accessible and/or cannot be safely sampled without demolition, dismantling or causing irreparable damage. These include, but are not limited to the following:

- Machinery and ducting (Except where client provides and engineer to make safe access).
- Sealed or inaccessible loft spaces.
- Lift shafts, elevator brakes, escalators and power transmission (except where the client provides an engineer).
- Components or wiring within meters, lights, transformers components etc. (Except where the client provides an electrician to make safe) .
- High voltage wiring (Except where the client provides an electrician to make safe).
- Mechanical packing and gaskets.
- Interior insulation on boilers (except where the client provides an engineer).
- Sealed voids or ducts.
- Areas requiring specialist access equipment (Except where the client provides suitable equipment and personnel to make access safely).
- Within boxing / fascias in live / occupied buildings or tenanted domestic properties except with express written prior agreement with the client).

Even after a Demolition survey some of the areas listed above may have been impossible to fully access as only investigations using hand tools is normally carried out (except where use of power tools is agreed with the Client at Contract Review stage). MIS Environmental Limited can accept no responsibility for the failure to detect or presence of asbestos in voids other than those able to be opened up during the survey with agreed means of access on the day, or any area which was not evident due to insufficient information being provided by the client regarding the structure at the time of the survey.

Access to areas restricted by the Client, tenants, occupants or health and safety concerns at the time of the survey must be inspected at the earliest convenience and must be surveyed prior to any works in the relevant locations. Until the inspection has been conducted, it is our strong recommendation that no refurbishment or repair works be undertaken. Ultimately, it is the client's responsibility to arrange access to such areas, and MIS Environmental Limited accept no liability for asbestos materials subsequently uncovered in areas that are not inspected.

Items that may require further investigation include:



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## **VOIDS UNDER FLOORS/INACCESSIBLE SERVICE RISERS**

At the time of the survey, the surveyor will have made every attempt to access voids or beneath floors as agreed with the client prior to the start of the survey. For a Refurbishment survey, particularly in occupied properties or those to be re-occupied soon after the survey, this will normally only be via access panels / hatches or cellars / ducts. Where agreed with the client for a Refurbishment Survey or for a Demolition survey, inspection may involve creating access points through the floor at logical points with hand tools (or power tools with prior written agreement of the Client). This will only be done in vacant areas of any building and at points agreed with the Client. The Client will have been requested to provide help with access to these areas in the Contract Review documentation sent out prior to starting work on site and the amount of access gained will be determined by his ability to help beyond the simple hand-tools (or power tools by prior agreement) carried by our surveyors. Where pipe-work is thought to run beneath the floors, we will attempt to determine whether or not it is lagged with asbestos to the best of our ability. Our surveyors are able to lift floorboards and will attempt to penetrate concrete and other solid floors with pneumatic floor breakers by prior written agreement and in suitable environments. It is not usually possible to see the whole area under any floor due to joists, foundations, walls and debris and some pipe-work may be hidden from view. It is therefore important to call the surveyor to site when floors are removed or pipe-work is discovered to complete the assessment. The report will usually outline the likelihood of concealed lagged pipes and a contingency sum should be set aside in case of the discovery of such, where the client considers it likely, when planning works that may potentially disturb or penetrate such areas.

Note that surveyors will endeavour not to damage the structural integrity of a building during the survey, but cannot be held responsible for damage to unusual building features the purpose of which are not readily apparent without specialist knowledge of building construction. The client should identify such features and specify in their scope of work that these should not be invasively investigated.

## **FIRE-DOORS**

The quantity and location and asbestos content of fire doors in buildings cannot always be determined during a survey in an occupied building as such investigation may compromise the fire resisting properties of the door. Core sampling of fire doors may be required to determine if asbestos is present, if doors are to be altered, or removed for disposal. Fire doors are normally investigated only as part of a Demolition or Refurbishment Survey (in the latter, only where specified by the Client).

## **TOILET SEATS**

Due to the use of this product and potential hygiene concerns, the surveyors will not always obtain confirmation samples, however, they will use their professional opinion to establish and record it as an ACM when applicable.

## **BOILER/PLANT ROOMS**

Where boilers, plant and attendant services have originally been lagged with asbestos, contamination debris and residue can be found in many obscure areas. It is often physically impossible to examine every such area even during a dedicated Demolition / Refurbishment investigation. We bring such areas to the attention of the clients so that these areas can be addressed during major works or demolition. Such areas include: Beneath boilers, beneath tank support brackets, behind wall panels/skirting, concrete joints, inside boilers, below floor ducts & sumps, within or beneath wall & floor paints, upper flue linings and / or inside structures.

## **STRING SEALS TO METAL FRAMED WINDOWS**

This material is normally only accessible by removing the window panel and is often found in the skylights of industrial premises. A cost for removal of string seals on a per window basis should be obtained as part of any tender for works involving windows of this type. Arrangements should be made to contain suspect material until its presence can be confirmed.

## **DAMP PROOF MEMBRANES**

Where damp proof courses are visible in brickwork or around windows and accessible they will be sampled by the surveyor. Often, however, these are entirely contained within the brickwork or surface finish, not accessible at the time of the survey and discovered only when the wall is demolished. A price for removal of DPC's per linear metre should be obtained as part of any demolition contract, to account for any discovered during demolition, to protect the client from excessive extras being claimed by the demolition contractor.

## **FIRE SEPARATIONS**

Asbestos containing preformed block insulation applied on internal walls to provide a fire rated separation may be concealed in a random fashion below floors or above ceilings. Floor or ceiling finishes are not destroyed or removed to locate this material. Prior to demolition or disturbance of fire rated areas, destructive testing, core samples and analysis may be required.

# Appendix 3: Material Assessment Key Information

<b>Product Type</b> (Description of sample)	<b>Score</b>	<b>Description Earning Score</b>	<b>Condition</b> (Extent of damage/ deterioration)	<b>Score</b>	<b>Description Earning Score</b>
	<b>1</b>	Asbestos reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement etc.)		<b>0</b>	Good condition, no visible damage
	<b>2</b>	Asbestos insulating board, mill boards, other low density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt		<b>1</b>	Low damage, a few scratches or surface marks, broken edges on boards, tiles etc.
	<b>3</b>	Thermal insulation (e.g. pipe and boiler lagging) sprayed asbestos, loose asbestos, asbestos mattresses and packing.		<b>2</b>	Medium damage, significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres.
<b>Surface Treatment</b>	<b>Score</b>	<b>Description Earning Score</b>	<b>Asbestos Type</b> (Analysis Result)	<b>Score</b>	<b>Description Earning Score</b>
	<b>0</b>	Composite material containing asbestos; reinforced plastics, resins, vinyl tiles		<b>1</b>	Chrysotile
	<b>1</b>	Enclosed sprays and lagging, AIB (with exposed face painted or encapsulated), asbestos cement sheets etc.		<b>2</b>	Amosite, Tremolite, Actinolite or Anthophyllite
	<b>2</b>	Unsealed AIB, or encapsulated lagging and sprays		<b>3</b>	Crocidolite
	<b>3</b>	Unsealed lagging and sprays		<b>NAD</b>	No asbestos Detected

# Appendix 4: Priority Assessment Key Information

A) Normal Occupant Activity				B) Likelihood Of Disturbance					
Ai) Main type of activity		Aii) Secondary activities		Bi) Location		Bii) Accessibility		Biii) Extent/amount	
Score	Description	Score	Description	Score	Description	Score	Description	Score	Description
0	Rare disturbance activity (e.g. little used store room)	0	Rare disturbance activity (e.g. little used store room)	0	Outdoors	0	Unusually inaccessible or unlikely to be disturbed	0	Small amounts or items (e.g. strings, gaskets)
1	Low disturbance activities (e.g. office type activity)	1	Low disturbance activities (e.g. office type activity)	1	Large rooms or well ventilated areas >100 m <sup>2</sup>	1	Occasionally likely to be disturbed	1	<=10m <sup>2</sup> or <=10m pipe run
2	Periodic disturbance (e.g. industrial or vehicular activity which may contact ACMs)	2	Periodic disturbance (e.g. industrial or vehicular activity which may contact ACMs)	2	Rooms up to 100 m <sup>2</sup>	2	Easily disturbed	2	>10 to <50m <sup>2</sup> or >10 to <50m pipe run
3	High levels of disturbance, (e.g. fire door with AIB sheet in constant use)	3	High levels of disturbance, (e.g. fire door with AIB sheet in constant use)	3	Confined Spaces	3	Routinely disturbed	3	>50m <sup>2</sup> or >50m pipe run

## C) Human Exposure Potential

Ci) Number of Occupants				Cii) Frequency of Use				Ciii) Average Time Each Use			
0	1	2	3	0	1	2	3	0	1	2	3
None	1 – 3	4 – 10	>10	Infrequent	Monthly	Weekly	Daily	<1 hour	>1<3 hours	>3<6 hours	>6 hours

## D) Maintenance Activity

Di) Type of Maintenance Activity				Dii) Frequency of Maintenance Activity			
0	1	2	3	0	1	2	3
Minor disturbance (e.g. possibility of contact when gaining access)	Low disturbance (e.g. changing light bulbs in asbestos ceiling)	Medium disturbance (e.g. lifting one or two AIB ceiling tiles to access a valve)	High levels of disturbance (e.g. removing a number of AIB ceiling tiles to replace a valve or for re-cabling)	ACM unlikely to be disturbed for maintenance	<=1 per year	>1 per year	>1 per month

A+B+C+D= Priority Assessment Score

Where  $A = (A_i + A_{ii}) / 2$   
 $B = (B_i + B_{ii} + B_{iii}) / 3$   
 $C = (C_i + C_{ii} + C_{iii}) / 3$   
 $D = (D_i + D_{ii}) / 2$

(each section score is the mean of the subsection scores)

**\*Please Note: This assessment falls beyond the UKAS accreditation scope for the indicated survey type.**

# **Appendix 5: Supporting Photos (where applicable)**

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# Bibliography:

Current asbestos related documentation

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- [1] Control Of Asbestos Regulations - 2006
- [2] HSG 264 – Asbestos: The Survey Guide - 2010
- [3] HSG 248 – Asbestos: The Analysts’ Guide for Sampling, Analysis and Clearance Procedures - 2006
- [4] L127 Acop Reg. 4 – The Management of Asbestos in Non-Domestic Premises - 2006
- [5] HSG 227 – A Comprehensive Guide to Management of Asbestos in Premises - 2002
- [6] HSG247 – Asbestos: The Licensed Contractors’ Guide - 2005
- [7] L143 Acop – Work with Materials Containing Asbestos – 2006
- [8] MDHS 87 – Fibres In Air – 1998
- [9] HSG 189/1 – Controlled Asbestos Stripping Techniques for Work Requiring a Licence – 2<sup>nd</sup> Edition 2003
- [10] HSG 189/2 – Working with Asbestos Cement – 2<sup>nd</sup> Edition 2000
- [11] DETR – Department Environmental Transport Regions – Asbestos and Man-Made Mineral Fibres In Buildings Practical Guidance – 1999
- [12] CLASP Buildings – Scape Asbestos Awareness Handbook – 2003
- [13] Department of Transport Merchant Shipping Notice No. M1428 Asbestos – Health Hazards & Precautions – 1990
- [14] HSE Asbestos Essentials – HSG 213
- [15] HSE Asbestos Task Manual – HSG 210
- [16] Construction (Design & Management) Regulations 2007
- [17] UKAS Lab 30 – Application of ISO/IEC 17025 For Asbestos Sampling & Testing Edition 2 April 2008
- [18] UKAS RG8 – Accreditation of Bodies Surveying for Asbestos in Premises Edition 2 November 2008



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