

High hea hlys Holya Deganny Conny. LL31 9BN.

Tal. 01492 585442. Mob. 07974 354075.

Harrall, Taylor Cock.
Nightingale House
Redland Hill
Redland.
Biskel
BS 6 6 SH

F. AO. MANSELL HUGHES.

As discussed copy of 2007 Asbestos Report ablanded gov. Tymyn Fine Blakin.

Regards

Frank Midall

2.0. Asbestos Survey Summary Table

()

North Wales Fire & Rescue Service

Site Name: Tywyn Fire Station, Frankwell Street, Tywyn, Gwyneed, LL36 9EW

Information based upon D.M.W. Survey P25915 Survey Date 31st January 2007.

Next Inspection Date	31 Jan 2008	31 Jan 2008	31 Jan 2008	31 Jan 2008	31 Jan 2008	31 Jan 2008
Inspection Date	31 Jan 2007	31 Jan 2007	31 Jan 2007	31 Jan 2007	31 Jan 2007	31 Jan 2007
Status	Surveyed	Surveyed	Surveyed	Surveyed	Surveyed	Surveyed
Action	Manage and label	Manage and label	Manage and label	Manage and label	Manage and label	Manage and label
Risk Assessment	Very Low Risk	Very Low Risk	Very Low Risk	Low Risk	Very Low Risk	Very Low Risk
Overall Score	6	6	9	6	8	4
Priority Assessment Score	G	9	4	Ŋ	-	2
Material Assessment Score	ю	e .	5	4	7	2
Material	Floor Tile Chrysotile (White)	Floor TileChrysotil e (White)	Bitumen Chrysotile (White)	Reinforced Resin Amphibole asbestos excluding crocidolite	Woven Fabric Chrysotile (White)	Cement Chrysotile (White)
Item	Blue floor tiles below carpet tiles & adhesive	Beige & red floor tiles below carpet tiles & adhesive	Bitumen sink & drainer pad	Reinforced resin toilet cistern	Rope seals to metal latches on skylight covers	Cement soffits - high level only front fascias to appliance bay
Location	Ground G02	Ground G04	Ground G05	Ground G06	Ground EX01	Ground EX01
Ref.	P25915/01	P25915/02	P25915/03	P25915/04	P25915/05	P25915/06

P25915

DMW Environmental Safety Ltd

Page 4 of 29

Action	Manage and label
Risk Assessment	Low Risk
Overall Score	10
Priority Assessment Score	ß
Material Assessment Score	S
Material	Presumed to contain asbestos Flash pads
ltem	Flash pads within live electrics

Location

Ref.

Ground G09

Presumed 01

Next Inspection Date

Inspection Date

Status

02 Aug 2007

31 Jan 2007

Surveyed

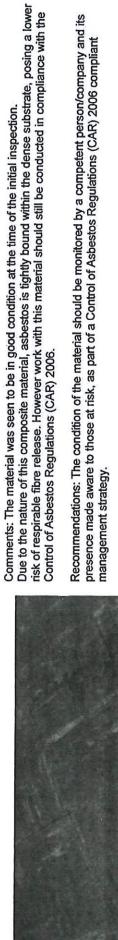
2.1 Site Locations

Room / Area Description Lab Certificate Number	G02 Blue floor tiles below carpet P25915
Building Floo	Main Groun
Location ID	P25915/01
Site ID	W21

()

Antion Account	THE PROPOSE HOLL	Independent proportion	manage and lane	
HSE Notifiable	I CE I CHIIDIE	- CN	2:	Surface Transferent
rce of Info		Dave Cox		Extent of Damage
Sou		3100)		Amount
Survey Tyr		I ype 2 (MDHS		Product Type
Next Inspection Date	. 10	31 Jan 2008		Asbestos Type
Last Inspection Date	24 12- 0007	31 Jan 2007		

Γ	-	T		
	Material Assessment	6	Priority Assessment Score	u
Surface Treatment	Sealed Composite Materials	0	faintenance Activity Score	-
Extent of Damage	Low Damage: a few scratches or surface marks	1	Human Exposure Score	2
Amount	< 14 Sq M		Human Ex	
Am	< 14		ince Likelihood Score	
Product Type	Floor Tile		Disturbance Lil Score	2
P		1	y Score	
Asbestos Type	Chrysotile (White)		Occupancy Activity Score	*
		-		
	Material Assessment	Score	Priority Score	Score



Recommendations: The condition of the material should be monitored by a competent person/company and its presence made aware to those at risk, as part of a Control of Asbestos Regulations (CAR) 2006 compliant



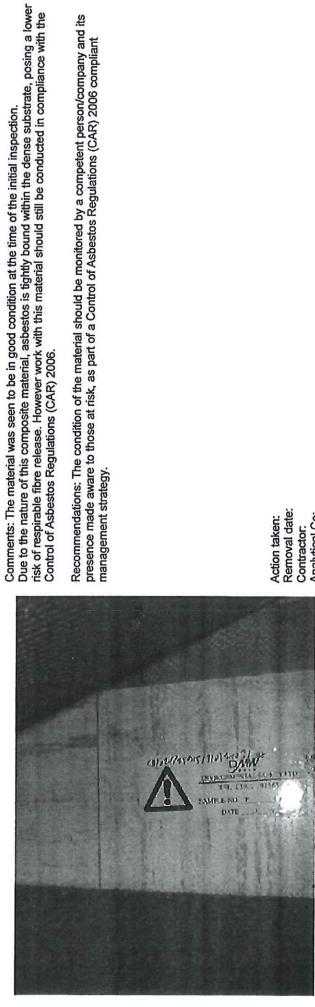
DMW Environmental Safety Ltd Photo File: ../MailMergePhotos/164153_DSCF0004.JPG

P25915

Page 6 of 29

Lab Certificate Number	P25915
Description	Beige & red floor tiles below carpet tiles & adhesive
Room / Area	G04
Floor	Ground
Building	Main
Location ID	P25915/02
Site ID	W21

als	67	vity Priority Assessment	9
Materials	0	Maintenance Activity	1
scratches or surface marks	1	Human Exposure Score	2
< 70 Sq M			
Floor lile	•	Disturbance Likelihood Score	2
onlysome (vorme)	1	Occupancy Activity Score	1
	Score 1	Priority Score	Score



Action taken: Removal date: Contractor. Analytical Co:

Page 7 of 29

DMW Environmental Safety Ltd

Photo File: ../MailMergePhotos/164154_DSCF0005.JPG

P25915

Lab Certificate Number	pad P25915
Description	Bitumen sink & drainer pa
Room / Area	G05
Floor	Ground
Building	Main
Location ID	P25915/03
Site ID	W21

(

st inspection Date Next inspection Date Survey Type	Source of Info	HSE Notifiable	Action Assessment
			The state of the s
31 Jan 2007 1 ype 2 (MDHS 1	0) Dave Cox	S	Manage and takel

Material Assessment Chrysotile (White) Bifumen < 1 Sq M		Asbestos Type	Product Type	Amount	Extent of Damage	Surface Treatment	
1 Control of the cont	Material Assessment		Bitumen	< 1 Sq M	Good condition: No	Sealed Composite	Material Assessment
	Score	-	1	Ž		Matchais	

Priority Score	Occupancy Activity Score	Disturbance Likelihood Score	Human Exposure Score	Maintenance Activity Score	Priority Assessment Score
Score		,		-	*



Due to the nature of this composite material, asbestos is tightly bound within the dense substrate, posing a lower risk of respirable fibre release. However work with this material should still be conducted in compliance with the Control of Asbestos Regulations (CAR) 2006. Recommendations: The condition of the material should be monitored by a competent person/company and its presence made aware to those at risk, as part of a Control of Asbestos Regulations (CAR) 2006 compliant management strategy.

Photo File: ../MailMergePhotos/164155_DSCF0006.JPG

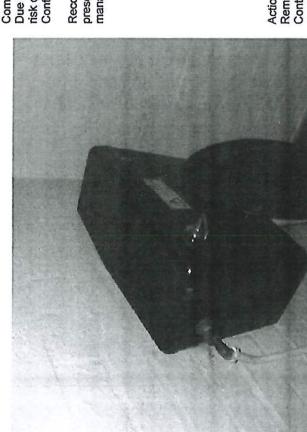
ate Number	25915
Lab Certifica	P25
Description	Reinforced resin toilet cistem
Room / Area	909
Floor	Ground
Building	Main
Location ID	P25915/04
Site ID	W21

0

200 100	Source of Info	HSE Notifiable	Action Accocomont
31 Jan 2007 31 Jan 2008 Type 2 (MDHS 100)	Dave Cox	ON	Indel bac exercit

31 Jan 2007	31 Jan 2008	Type 2 ((MDHS 100)	Dave Cox	No	Manage and label
						500
	Asbestos Type	Product Type	Amount	Extent of Damage	Surface Treatment	
ılaterial Assessment	Amphibole Asbestos Excluding Crocidolite	Reinforced Resin	< 1 Sq M	Good condition: No visible damage	Sealed Composite	Material Assessment
Score	2	2		0	0	4

ssment	Priority Assessn Score	Maintenance Activity Score	Human Exposure Score	Disturbance Likelihood Score	Occupancy Activity Score	riority Score
--------	---------------------------	----------------------------	----------------------	---------------------------------	--------------------------	---------------



Comments: The material was seen to be in good condition at the time of the initial inspection.

Due to the nature of this composite material, asbestos is tightly bound within the dense substrate, posing a lower risk of respirable fibre release. However work with this material should still be conducted in compliance with the Control of Asbestos Regulations (CAR) 2006.

Recommendations: The condition of the material should be monitored by a competent person/company and its presence made aware to those at risk, as part of a Control of Asbestos Regulations (CAR) 2006 compliant management strategy.

Removal date: Contractor. Analytical Co: Action taken:

DMW Environmental Safety Ltd

Photo File: ../MailMergePhotos/164156_DSCF0007.JPG

Lab Certificate Number	170000	CLECZA
Description	Rope seals to metal latches on	skylight covers
Room / Area	EX01	
Floor	Ground	
Building	Main	
Location ID	P25915/05	
Site ID	W21	

r		Т	7		
	ACTION ASSESSMENT	Monogon buc oncore	manage and label		Material Assessment
JOE Modification	non nonliable	Yes		Surface Treatment	Unsealed Non- Composite Materials
Source of Info		Dave Cox		Extent of Damage	Low Damage: a few scratches or surface marks
and S	300			Amount	< 1 Sq M
Survey Tyr		Type 2 (MDHS 100)		Product Type	Woven Fabric
Next Inspection Date		31 Jan 2008		Asbestos Type	Chrysotile (White)
Last Inspection Date		31 Jan 2007			Material Assessment

ŧ	T	7		
Material Assessment	-		Priority Assessment	alos
Unsealed Non- Composite Materials			laintenance Activity	7
Low Damage: a few scratches or surface marks	2		Human Exposure Score	
< 1 Sq M			Ince Likelihood Human E Score	5
Woven Fabric			Disturbance Lik Score	C
Chrysotile (White)	2		Occupancy Activity Score	0
terial Assessment	Score 1		Priority Score	Score

Comments: The material was seen to be in fair condition at the time of the initial inspection.

Recommendations: The condition of the material should be monitored by a competent person/company and its presence made aware to those at risk, as part of a Control of Asbestos Regulations (CAR) 2006 compliant management strategy.



DMW Environmental Safety Ltd

Photo File: ../MailMergePhotos/164158_DSCF0009.JPG

Lab Certificate Number	P25915
Description	Cement soffits - high level only front fascias to appliance bay
Room / Area	EX01
Floor	Ground
Building	Main
Location ID	P25915/06
Site ID	W21

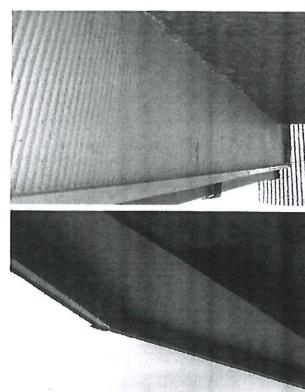
1

A. A. Manual deal						
Last inspection Date	Next Inspection Date	Survey	VDE	Source of Info	UCE NOTHING	
7000 1 70					ISE Moundable	ACTION ASSESSMENT
31 Jan 2007	31 Jan 2008	Type 2 (MDHS 100)		Dave Cox	No.	Maria
				V00 011	ONI	Manage and label
		1				
	Aspestos Iype	Product Type	Amount	Extent of Damage	Surface Treatment	
Material Assessment				,	200000000000000000000000000000000000000	
	Chrysotile (White)	Cement	< 100 Sa M	Good condition: No	Sealed Composite	Material Assessment
			m ho oo:	vicible damage	Matarial	

Cons				Malchais	
SCOLC	-		0	_	•
				>	7
Priority Score	Occupancy Activity Score	Disturbance Likelihood	Human Exposure Score	Maintenance Activity	Priority Assessment
		aimo		Score	Score
Score	0		0		
			,		7

Recommendations: The condition of the material should be monitored by a competent person/company and its presence made aware to those at risk, as part of a Control of Asbestos Regulations (CAR) 2006 compliant management strategy.

Comments: The material was seen to be in good condition at the time of the initial inspection.



Action taken:
Removal date:
Contractor:
Analytical Co:

DMW Environmental Safety Ltd

Photo File: ../MailMergePhotos/164160_DSCF0011.JPG

Photo File: ../MailMergePhotos/164157_DSCF0008.JPG

Lab Certificate Number	cs P25915
Description	Flash pads within live electric
Room / Area	605
Floor	Ground
Building	Main
Location ID	Presumed 01
ite ID	W21

(

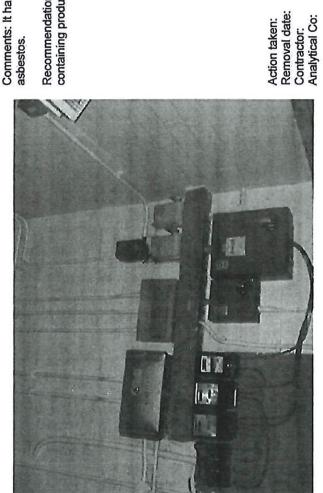
Survey Type Source of Info HSE Notifiable Type 2 (MDHS 100) Dave Cox No	on Date Survey Type Source of Info HSE N 07 Type 2 (MDHS 100) Dave Cox
2 (MDHS 100) Dar	Nate Survey Type Sourc Type 2 (MDHS 100) Day
Survey Type Type 2 (MDHS 100)	n Date 07 T
	Next Inspection Date 02 Aug 2007

	Product Type	Amount	Extent of Damage	Surface Treatment	
	Elach nade	11 Sa M	Good condition: No	Unsealed Non-	Material Assessment
•	lasti pads	≥ 70 - v	visible damage	Composite Materials	
			0	3	ıc

Priority Score	Occupancy Activity Score	Disturbance Likelihood Score	Human Exposure Score	Maintenance Activity Score	Priority Assessment Score
Score	1	1	2	-	ıa



Recommendations: Until such time as proven otherwise, the material should be labelled as an asbestos containing product and should be subject to management involving regular inspection.



DMW Environmental Safety Ltd

3.0. Site Overview

Any area not specifically listed below or any area described as 'No Access' should be deemed to contain Asbestos Containing Materials (ACMs).

Main Building

Ground Floor

Entrance - G01

- · Quarry tile floor covered with carpet
- Brick internal walls
- · Fixed compressed organic board tile ceiling
- Timber doors
- Timber infill panels above entrance to adjoining rooms

No access behind infill panel (Pic 3)



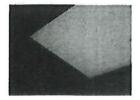
Watch Room - G02

- Floor tiles covered with carpet
- · Brick internal walls
- Brick & stone chip render external walls
- · Fixed compressed organic board tile ceiling
- Timber doors
- · Quarry tile windowsills
- (Sample 01)

Muster Bay - G03

- Quarry tile flooring
- Brick internal walls
- Brick & stone chip render external walls
- · Fixed compressed organic board tile ceiling
- Timber doors
- Perspex cover to ceiling skylight

No access within skylight (Pic 2)



Recreation Room - G04

- · Floor tiles covered with carpet
- · Brick internal walls Brick & stone chip render external walls
- Fixed compressed organic board tile ceiling
- Timber doors
- · Quarry tile windowsills
- (Sample 02)

Kitchen - G05

- · Quarry tile flooring
- Brick internal walls
- Brick & stone chip render external walls
- · Fixed compressed organic board tile ceiling
- Timber doors
- Quarry tile windowsills
- Small sink area
- Unlagged pipe work
- Hot water cylinder no suspect ACM
- (Sample 03)

Toilet - G06

- Quarry tile flooring
- Brick internal walls
- · Brick & stone chip render external walls
- · Fixed compressed organic board tile ceiling
- Timber doors
- · Quarry tile windowsills
- · Small side entrance to toilet & kitchen
- Overview as per toilet
- (Sample 04)

Shower - G07

- Quarry tile flooring
- Brick internal walls
- Brick & stone chip render external walls
- · Fixed compressed organic board tile ceiling
- Timber doors
- Timber lined skylight within ceiling with perspex cover

Store - G08

- Quarry tile flooring
- Brick internal walls
- · Brick & stone chip render external walls
- Fixed compressed organic board tile ceiling
- Timber doors
- Timber lined skylight within ceiling with perspex cover

Appliance Bay - G09

- Quarry tile flooring
- Brick internal walls
- · Brick & stone chip render external walls
- Fixed compressed organic board tile ceiling
- Timber & metal shutters
- Quarry tile windowsills
- (Sample P1)

External

- Brick construction
- Pitched slate roof to appliance bay & recreation room
- Flat felt roof is remaining areas
- · Plastic rain water goods
- Stone chip render to outer walls
- Timber doors
- Metal shutter to appliance bay
- · Concrete soffits to lower level flat roof area
- Sample 06 Cement soffits high level only front fascias to appliance bay

4.0. SAMPLING STRATEGY FOR ASBESTOS MATERIALS

The objective of the survey was to identify the nature and extent of any visible asbestos material. All samples were collected in sealed bags and labelled, for laboratory analysis. Measures were taken to prevent cross-contamination between samples.

The survey was conducted in a manner designed to minimise nuisance and health risks to those who may occupy the building. A requirement of the Control of Asbestos Regulations 2006 is to reduce exposure to asbestos as far as is reasonably practicable. This involves surveyors to employ a number of control measures to minimise exposure, including controlled wetting, PPE and minimisation of material breakage. The strategy employed comprised a combination of visual inspection and sampling of bulk materials.

During the survey where a material was suspected to contain asbestos, a bulk sample was taken for analysis. In areas where there were substantial quantities of visually uniform materials, a small number of samples were taken as being representative of the whole area. Therefore, visually similar materials in the same area must be assumed to contain asbestos.

Where, during the survey the material is reported as NON-ASBESTOS by visual inspection and analysis of samples has proved negative (e.g. recently lagged pipe work covered with metal cladding) the customer should exercise caution in interpreting the results. It is IMPORTANT to stress that in such circumstances, there may be residues of asbestos trapped under the newly applied lagging (e.g. from previous asbestos removal carried out in the past).

It is not usually practicable to detect such residues unless major disturbances of the material take place within the scope of a Type 3: full access sampling and identification survey. Therefore DMW cannot accept liability for the detection of such residues if later detected in a type 3 survey. If the customer undertakes major alterations in a specific area where it may be possible that residual asbestos may be found, then it is necessary that further investigation of the specific area be carried out before the start of work.

Where there are large numbers of identical items detected throughout the site (e.g. isolated fuse boxes with asbestos flash pads) a single sample will be taken for analysis and therefore the customer must assume that identical items will have the same composition as the one specified.

Where "NO ACCESS" is used, it indicates that the area specified was not accessible at the time of the survey. The customer is to be alerted to the possibility of there being asbestos materials in the area. This may therefore require further investigation. Only those areas defined are covered in this report. Those areas not identified should be considered as not accessed for the purpose of this survey.

The following format has been adopted for floor numbering:- Ground floor = 0 - 6Ground; First floor = 01 - 6First; Second floor = 02 - 6First; Second

To assist the customers on-going management of asbestos discovered on site, a blank section has been included at the bottom of each sample location. This will allow the customer to record subsequent actions taken as a result of the overall risk assessment.

5.0. METHODOLOGY FOR BULK SAMPLE ANALYSIS

All techniques used were in strict accordance with DMW's documented in-house method, using SOP 10 based upon HSE document (HSG 248) Asbestos: The analysts' guide for sampling, analysis and clearance procedures. Sampling and identification by polarised light microscopy (PLM).

Identification of asbestos fibres was based on the following analytical procedure:

- A) A preliminary visual examination of the whole of the bulk sample was made to assess the sample type and the required sample treatment (if any): where possible a representative sub-sample treatment was taken at this stage;
- B) Sample treatment was undertaken (if required) to release or isolate fibres;
- C) A detailed and thorough search under the microscope was made to classify the fibre types present;
- Representative fibres were mounted in appropriate RI liquids on microscope slides;

The different fibrous components were identified using PLM.

6.0. BASIS OF RECOMMENDATIONS

6.1. Survey Type as defined in MDHS 100.

MDHS 100 defines three types of asbestos survey, specifically:

- Type 1: Location and assessment survey (Presumptive survey). All
 materials, which could possibly contain asbestos, are presumed so until
 proven otherwise.
- Type 2: Standard sampling, identification and assessment survey
 (Sampling survey). All materials that the competent surveyor suspects may
 contain asbestos are sampled and the asbestos confirmed or disproved by
 laboratory analysis. Only asbestos material on the external regions of
 structures are detected using this method. This is the preferred HSE method
 for buildings, which are, not to be demolished or substantially refurbished.
- Type 3: Full access sampling and identification survey (predemolition/major refurbishment surveys). As above except intrusive methods are used in order to assist detection of asbestos situated inside structural components. This method is intrinsically more hazardous, expensive and will involve isolation of all services in the areas. Also the surveying method involves significant structural and cosmetic damage.

The recommendations made within this report are based on the management of asbestos materials. The primary recommendation would therefore be remedial works, labelling or regular inspection. It should be borne in mind that if individual project works are to be carried out in an area where asbestos has been identified and is due to remain, that an assessment should be carried out prior to any works commencing.

'The material assessment identifies the high-risk materials, that is, those which will most readily release airborne fibres if disturbed (if any). It does not automatically follow that those materials assigned the highest score in the material assessment will be the materials that should be given priority for a remedial action. Management priority must be determined by carrying out a risk assessment which will take into account factors such as' (MDHS 100);

- · The location of the material
- Its extent
- · The use to which the location is put
- The occupancy of the area
- The activities carried on in the area &
- The likelihood/frequency with which maintenance activities are likely to take place

6.2 Action Assessment

NON ASBESTOS = 0 - No action required

REMOVE-1: These are asbestos materials in a condition or location, which requires urgent attention. Asbestos materials assigned to be removed, are usually not suited to any form of containment programme and should be removed or environmentally cleaned as soon as possible. All fallen asbestos debris and surface contaminating materials will always be assigned for removal. Any disturbance to these materials is liable to expose personnel to elevated levels of airborne respirable asbestos fibres and then also is liable to spread the extent of the contamination throughout the rest of the building.

REMEDIAL ACTION-2: These are asbestos materials in a location and/or condition, which require some attention. The action may be minor repairs to damaged surfaces or encapsulation of all exposed asbestos surfaces. Following completion of remedial works the material may be assigned the 'manage and label' rating. In the long term it is recommended that all materials, which have had remedial works carried out from part of the ongoing management plan.

MANAGE AND LABEL-3: These are asbestos materials in a condition and/or location which does not give rise to a significant health risk, PROVIDED THE MATERIAL REMAINS UNDISTURBED either by routine maintenance operations or by personnel carrying out their normal daily work activities which could cause impact or surface damage to the material. The 'manage and label' category is only valid if this provision is maintained. Building managers should be aware of any changes in work activates in areas where this rating applies. Asbestos material in this category would change to the remove section if it were decided to carry out building works, which would require some disturbance of the asbestos material.

ACTUAL CARE CALL CONT.

7.0 Category Explanation

Basic Principles

Asbestos that is found to be present does not necessarily create an unacceptable risk. Asbestos is the hazard, the risk can only be defined when the hazard is assessed within the environment in which it is found. This assessment must take into account the activities carried out near or on the asbestos for the assessment to be able to present viable recommendations.

General Guidelines for An Assessment

There are two types of assessment that may be carried out:

The material assessment- this assesses the ability of asbestos materials to release fibres into the air should it be disturbed. This assessment can be undertaken as part of the survey, as it requires no knowledge about the building use etc. The main parameters that determine the ability of the material to release airborne fibres and the relative hazard of the types of fibre released are;

- Product type
- · Extent of damage or deterioration
- Surface treatment
- Asbestos type

The material assessment algorithm (see attached key to assessment) will give a good guide initial guide to the priority for a control action, as it will identify the high-risk materials. However, a high material score may not always require a high priority control action, if no one needs to enter the area, or suitable precautions to reduce the risk can be taken on the few occasions when the area is occupied.

Materials with assessment scores of 10 or more are regarded as having a high potential to release fibres, if disturbed. Scores of between 7-9 are regarded as having a medium potential and between 4-6 a low potential. Scores 3 or less have a very low potential to release fibres.

The priority assessment – this takes into account various human factors in order to modify the priority assigned by the material assessment. This can only be effectively achieved with direct input from the building occupiers / managers. Parameters, which should be considered, would include;

- The location of the material
- Its extent
- The use to which the location is put
- The level of occupancy of the area
- The activities carried on in the area, and
- The likelihood/frequency with which maintenance activities are likely to take place.

A detailed risk assessment can only be carried out with the detailed knowledge of the above parameter. Although the surveying team may be able to contribute some of the information required for the risk assessment, the duty holder under CAR 2006 is required to make the risk assessment, using the information given in the survey and their detailed knowledge of the property and the activities carried out within. This risk assessment will form the basis of the management plan.

Each of the above parameters consists of a number of subheadings, which are all individually assessed. These assessments are then averaged for each main heading (An example of the priority assessment is attached to this document).

Other factors such as planned refurbishment may override the priority for remediation or the type of remediation.

The potential for disturbance must also be assessed and the feasibility of a management system operating. For example:

- If the asbestos is retained could it interrupt the safe maintenance/repairs required and would the services that would be affected by this be critical to the occupiers.
- If the asbestos is within a locked room can access be adequately controlled?

The two points raised above relate to instances such as; the failure of an electrical supply above a suspended asbestos ceiling. In this case the occupier would usually no longer be able to trade or a department would have to be shut. An electrical contractor would be brought in on an emergency basis. The individual – electrician – would be placed in a situation where the safety guidelines regarding the asbestos may seem of secondary importance to the needs of their customer and this could subsequently lead to the hazard being ignored.

In cases such as these the asbestos should either be removed or if retained, a procedure of dealing with emergencies must be set up to ensure that critical access points were provided and maintained.

The results from the Material assessment and the Priority assessment can then be graphed within the Risk assessment summary table to give a final risk assessment.

High Risk

Using the above principles materials can be categorised. The top priority — High Risk — would be given to those materials that present an unacceptable risk and require immediate attention. It does not mean that this material must be removed; it means that steps must be taken to remove the risk from those affected by it. This could be as simple as locking a room or undertaking minor repair works or setting up a safe management procedure etc.

Further Categories

Whether a material must be removed is a customer decision. We are willing to give our advice based on our experience. In essence if there is no budget to remove asbestos then a more economical answer will be its management. In extreme cases management may mean total segregation of a room, area or building until such time as the budget can be made available. When surveying properties of any number it is important to realise that management must begin as soon as practicable to allow a programme of remedial works to proceed. It would be impossible to remove every item of asbestos overnight and there is little point in trying.

Prioritisation

The risk categories allocated should be used as a means of prioritising work. When the risk has been contained it is then necessary to address the next phase, which is, what should be removed, repaired and/or managed.

Management and control actions

The priority assessment score and the material assessment score are the two outputs from the risk management assessment and can be ranked to determine the priority of the management and control actions.

Management actions may include;

- Maintain and update asbestos register
- Monitor condition
- Restrict access / isolate
- Label
- Inform
- Train
- · Define and use safe systems of work
- Operate a permit to work system

Control actions may include;

- Clean up debris
- Repair
- Encapsulate
- Enclose
- Remove

Category Codes – Material Assessment

Cumulative score	Action Required
10 -12	This is allocated to those items requiring urgent attention as they currently, or in the foreseeable future, present an unacceptable risk. That is to say that fibre concentrations could rise above 0.01 fibres/ml.
7 – 9	These are items which as single entities have a high risk of being damaged/ disturbed or where there is an accumulation of asbestos materials in a single location that when examined as a whole have a high risk of being damaged/ disturbed.
4 – 6	These are items that have no, or very little, sign of historical damage.
2-3	This covers asbestos cement, resins, artex, plastics, rubber etc containing asbestos, which do not generally present a significant risk.

Product Type	Score	Assessment	Examples
	1		Etonite, cement, lino, paints, artex etc
	2		AIB boarding, gaskets, ropes, textiles etc
	3		Thermal insulation and coatings
Condition	0		No visible damage
	1		Low damage - e.g. scratches
	2		Medium damage – e.g. breakage o material revealing fibres
1000	3		High damage – visible debris
Surface Treatment	0		Sealed Composite materials
	1		Unsealed Composite Materials
	2		Sealed Non-Composite Materials
	3		Unsealed Non-Composite Materials
Asbestos Type	1		Chrysotile
	2		Amphibole asbestos excluding Crocidolite
	3		Crocidolite

Category Codes - Priority Assessment

Cumulative score	Action Required		
10 -12	This is allocated to those items, which are in a position, which presents an unacceptable risk to occupiers etc.		
7-9	These are items situated in high use, readily accessible positions, which may also be located in an area accessed on a routine basis for maintenance.		
4-6	These are items that will very rarely be disturbed through normal occupation or maintenance, or are in locations or extents that if disturbed would lead to a minimal fibre release.		
0-3	This covers items, which are in locations not readily accessible and are unlikely to be disturbed.		

Assessment parameter	Score	Assessment	Examples of score variables
Normal occupant activity			
Main type of activity in area	0		Rare disturbance activity (e.g. little used store room)
	1		Low disturbance activities (e.g. office type activity)
	2	- 13	Periodic disturbance (e.g. industrial or vehicular activity which may contact ACMs)
	3		High levels of disturbance, (e.g. Fire door with AIB sheet in constant)
Score			

kelihood of disturbance		
Accessibility	0	Usually inaccessible
	1	Occasionally likely to be disturbed
	2	Easily disturbed
	3	Routinely disturbed
Location	0	Outdoors
	1	Large Rooms
	2	Rooms up to 100m ^a
	3	Confined spaces
Extent	0	Small amounts or items
	1	<10m³ or 10m
	2	>10 - 50m² or 10 - 50m
	3	>50m² or >50m
Average score		

Number of occupants	0	None
*	1	1.3
	2	4 • 10
	3	>10
Frequency of use	0	Infrequent
	1	Monthly
	2	Weekly
	3	Daily
Average time each use	0	ব
	1	>1 -<3 hours
	2	>3 - <6 hours
	3	>6 hours
Average score	The second service	

Type of maintenance	0	Minor disturbance (e.g. possibility of contact when gaining access)
activity	1	Low disturbance (e.g. changing light bulbs in AIB ceiling)
activity	2	Medium disturbance (e.g. lifting one or two AIB ceiling files to access a valve
	3	High levels of disturbance (e.g. removing a number of AIB ceilin tiles to replace a valve or for recabling).
Frequency of maintenance activity	0	ACM unlikely to be disturbed for maintenance
	1	≤1 per year
	2	>1 per year
	3	>1 per month
Average Score		

RISK ASSESSMENT SUMMARY

	TOTAL SCORE
MATERIAL ASSESSMENT	
PRIORITY RATING	

		MAT	TERIAL A	SSESSMI	ENT
		10-12	7-9	4-6	0-3
	10-12				
PRI	7-9				
PRIORITY	4-6				
	0-3				

KEY



HIGH RISK MEDIUM RISK LOW RISK V. LOW RISK

8.0. RESTRICTIONS AND LIMITATIONS

Every effort has been made to ensure that all asbestos materials were identified as far as was reasonably practicable, using the survey methodology as agreed with the customer. Our standard survey, involves experienced and trained surveyors employing a combination of visual examination and bulk material sampling. This method is approved by the HSE and normally results in most if not all of asbestos materials being identified. However, it is possible that asbestos materials may remain undetected within the building due to:

- Asbestos materials existing in areas, other than those specifically requested to be surveyed by the customer.
- Incorporation within or under a structure, preventing detection via visual/sampling survey methods.
- Disguising of the materials due to over-cladding. Materials of this type may only be detectable using the methods prescribed under a type 3 survey. In areas with large amounts of visually similar materials, a proportional number of samples have been taken, which were deemed to be representative of the whole area. Should the customer, request a more rigorous sampling strategy, this should be arranged for reinspection and in any case before any disturbance of the material.
- Trace residues under non-asbestos pipe work lagging. In the past, and
 especially prior to the Control of Asbestos at Work Regulations
 1987(amended), asbestos removal operations were not considered
 comparable to today's standards. The existence of such contamination is not
 possible to confirm without removal of all or most of the existing insulation, as
 would be expected under a type 3 survey.
- Regarding areas described under the 'no access' section, our surveyors did not inspect these locations. This would be due to the access points being locked, occupying staff verbally prohibiting access, or where access would result in endangering surveyors and the breach of one or more relevant statutory provisions such as the Workplace (Health Safety and Welfare) Regulations 1992 regarding Working at Heights Regulations 2005 or the Confined Space Regulations 1997. If access to such areas is required, the customer should liaise with DMW in order to arrange a repeat visit, during which suitable and sufficient precautions shall be taken (at an additional cost). Access to high areas such as roof areas and roof voids will be limited in most circumstances. NB/ No access is gained to brick cavity wall voids during Type 2 surveys. This is due to the structural instability risk that this could create.
- · Access and sampling to certain areas where access was prohibited.
- Certain artex coatings contain so little asbestos that its detection is not always
 possible in light of current knowledge and technology, using the techniques
 as prescribed in MDHS 100 and (HSG 248) Asbestos: The analysts' guide for
 sampling, analysis and clearance procedures. Also, due to the application
 techniques and heterogeneous nature of some such materials, sample results
 may be unrepresentative of the whole. It is possible to analyse samples with a
 greater degree of accuracy using sub-contracting laboratories with Scanning
 Electron Microscopy (SEM) facilities. This can be arranged (at greater cost
 and increased turn-around) following a specific request from the customer.
- · Floor ducts not accessed unless specified in the main body of the report.
- Access to any live electrical installations by our staff being prohibited under the Electricity at Work Regulations 1989. Our duty of care requires us to presume that such installations are live. If access is required to live areas, our surveyors will need to be accompanied and supervised by qualified electrical engineers as part of a full permit to work system.

During standard sampling, identification and assessment surveys, DMW have taken positive steps to identify all asbestos materials. However, it is not reasonably practicable to state that a building is free of asbestos materials without completely dismantling the structure down to its component parts.

Therefore, in considering the above factors, it is not reasonably practicable to categorically state whether an area is free of asbestos materials. DMW Environmental Safety Ltd cannot accept liability for loss, injury, damage or penalty due to errors or omissions within this report.

DMW have, via staff training, selection and provision of time and resources fulfilled our duty under civil and statutory law as far as was reasonably practicable. It is important to point out that the customers' duty of care under criminal and civil law still exists, with respect to precautions taken when working on areas in which no asbestos has been previously detected.

In the event of material being exposed which could reasonably be expected to be asbestos material, work should immediately cease and competent assistance should be sought to identify the material in order to comply with HSWA 1974, Regulation 7 of the Management of Health and Safety at Work Regulations 1999 and other relevant statutory provisions. The competent person(s) would ideally be a UKAS accredited consultancy, such as DMW.

DMW cannot accept liability for cosmetic or structural damage incurred during sampling and surveying. By its very nature, an asbestos survey requires a reasonable degree of damage to components for subsequent laboratory identification.

DMW are accredited as an inspection body for the detection of asbestos containing materials. The priority assessment found within the report is at the specific request of the customer and therefore interpretations relating to the priority assessment detailed in section 6 does not form part of DMW UKAS accreditation.

DMW are not liable for the costs of any asbestos removal whether the materials have been identified or not during the survey process.

Due to the nature of the building's construction, similar types of ACM identified in this report may not be restricted to the amounts and locations identified. In addition, materials encountered which are similar to those presumed/identified, as asbestos should also be presumed to be ACM's until proven otherwise.

Unless specifically stated otherwise, the scope of the survey assessment does not extend to identifying ACM's within fixed Items of plant and portable appliances.

This survey report only partially fulfils the compliance requirements under Regulation 4 of CAR 2006. The customer should be aware of further measures required, such as the performance of priority/overall risk assessments, condition monitoring and provision of information to those at risk.

Unless specifically stated otherwise, the scope of this survey assessment does not extend to conducting swab samples to conduct trace asbestos residues from past stripping works.

The scope of the survey assessment does not extend to identifying sub-surface ACM's or asbestos land contamination.

Access is not gained to plant and machinery unless officially requested and then only under a permit system under the supervision of a mechanical engineer. Equipment installed prior to 1999 should be presumed to contain ACM's such as Chrysotile gaskets.

Square and linear metre amounts of ACM's stated in the report are visually determined estimates only and are not intended to form the sole basis of removal quotations. Any future removal costings should be based on actual measurements conducted by the tendering removal contractor.