

ASBESTOS MANAGEMENT SURVEY REPORT

Of

Blood Science Facility,

Pathology Block 6,

Beaumont Hospital

Dublin 9

On behalf of

O'Briain Beary Architects

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Project Number

24288

DOCUMENT CONTROL

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Project Title	24288 Blood Science Facility, Pathology Block 6, Beaumont Hospital. - Asbestos Management Survey
Document Title	Asbestos Management Survey Report
Report No.	24288

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1. Executive summary
2. Scope of the project
3. General site and survey information
4. Management options
5. Survey results

1 EXECUTIVE SUMMARY

OHSS carried out an asbestos survey to HSG264 requirements for the purposes of identifying and managing asbestos containing materials in the premises(s). As part of the survey a priority assessment was also undertaken in consultation with the staff present to estimate the human exposure potential in areas where asbestos containing materials were identified. It should be noted that this survey only includes areas within the scope of the survey and should not be read as an extensive assessment of all possible asbestos containing materials (ACMs) in the premises.

The findings of this survey are contained within the summary tables and risk assessment in the results section of this report.

- Asbestos containing panels to the inner courtyard
- Asbestos containing red fire mastic is presumed to be present in the ceiling void air conditioning duct work.

The survey undertaken complies with the company's legal duty to identify the presence of asbestos containing materials and carryout a risk assessment in respect of these materials at the premises. These risk assessments will form part of the overall safety management system for the contractor carrying out any work with asbestos. The results of the risk assessment must be communicated to the employees and made available to them.

As this is a management survey it will be necessary to undertake a more intrusive survey prior to any refurbishment or demolition work in the areas surveyed.

While every effort has been taken to ensure the accuracy of this report OHSS do not accept responsibility for any omissions or areas of the building not addressed in the report. This report is intended to assist in reducing the possibility of accidents and ill health by bringing to the client's attention identified asbestos containing materials. Within the constraints of time and resources every effort has been made to identify ACM's. It is not implied that all other hazards are under control at the time of inspections.

THIS REPORT SHOULD BE READ IN ITS ENTIRETY AND SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF OHSS AND THE CLIENT.

Questions arising from the survey report should be directed, in the first instance, to the author of this report, who will clarify any technical issues raised.

Further information on previous surveys should be sought from the client.

1.1 ABBREVIATIONS

Throughout the report the following terms and abbreviations may be used:

ACM	Asbestos containing material.
AND	Asbestos not detected.
MMMF	This describes any machine made mineral fibre, fibreglass, rockwool, ceramic fibres and other such material.
MA	Material Assessment Score as defined in HSG264: <i>Survey Guide</i> , relates to the friability of the product. It is used to indicate the level of risk posed by the product
PA	Priority Assessment Score relates to the maintenance, likelihood of disturbance and human exposure potential. It is used to prioritise action and is fully described in HSG227 <i>Management of asbestos In Buildings</i>
AIB	Asbestos Insulating Board.
AC	Asbestos Cement
Chrysotile	Commonly known as white asbestos.
Amosite	Commonly known as brown asbestos.
Crocidolite	Commonly known as blue asbestos.
Amphibole	Generic name for all asbestos types, excluding Chrysotile.
BOHS	British Occupational Hygiene Society
INAB	Irish National Accreditation Board

2 SCOPE OF WORK

2.1 GENERAL

The scope of the survey included a management asbestos survey of the area prior to tendering and decanting.

The purpose of the survey is to identify accessible asbestos containing materials and to help manage ACM's in the premises. The survey aims to provide sufficient information for an asbestos register and plan to be prepared, a suitable risk assessment to be carried out and a written plan to manage the risks can be produced by the client.

The surveyor undertook as far as reasonably practicable to, record the location, extent and product type of any presumed or known ACMs. All areas identified in the survey were inspected and the information recorded on the accessibility, condition and surface treatment of any presumed or known ACMs. The asbestos type was identified either by collecting representative samples of suspect materials for laboratory identification, or by making a presumption based on the product type and its appearance.

The priority assessment as described in HSG227 was undertaken in conjunction with building occupants and management.

3 GENERAL SITE AND SURVEY INFORMATION

Client Details:	Michael Beary
Client Address:	O'Briain Beary Architects Unit C1 The Steelworks Foley Street Dublin 1
Site Address:	Blood Science Facility, Pathology Block 6, Beaumont Hospital Dublin 9
Commissioned By:	Michael Beary
Surveyor:	Paul Foran
Staff Consulted during Priority assessment	Hospital Maintenance staff
Date of Survey:	9/6/18
Date of Report:	29/6/18
Description of the Areas Surveyed:	All accessible areas of the building
Variations and Exclusions:	No opening up works undertaken due to infection control

Survey Methodology:

On-site inspection, bulk sampling and risk assessment were conducted in accordance with OHSS documented in-house work instructions (WI-02 & WI-03). OHSS is accredited by the Irish National Accreditation Board (INAB) and meets the requirements of International Standard BS EN ISO/IEC 17020 for the surveying and risk assessment of asbestos in buildings.

Analysis of asbestos fibres in bulk materials was carried out at the OHSS laboratory. OHSS is accredited by The Irish National Accreditation Board (INAB) and meet the requirements of International Standard BS EN ISO/IEC 17025 for the analysis of asbestos fibres in bulk materials.

The surveyor conducted a systematic inspection of the nominated areas. Where access for sampling purposes was not possible, a visual assessment has been made. For similar/repetitive elements, a representative bulk sampling protocol has been adopted following visual examination and assessment.

Bulk Samples are obtained using fibre suppression techniques in order to minimise respirable fibre release. Each sample was double bagged, uniquely labelled on site and then returned to the laboratory for analysis using plane and polarised light microscopy and dispersion staining techniques as defined in UK HSE Guidelines HSG248 and OHSS documented in-house work instructions (WI-05).

The Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010 allows materials to be 'presumed' to contain asbestos. Therefore in the asbestos survey, materials can be presumed to contain asbestos.

There are two levels of 'presumption':

1. **Strongly presumed:** in this case the material looks as if it is an ACM, or that it might contain asbestos. This conclusion can be reached through visual inspection alone by an experienced, well-trained surveyor, familiar with the

range of asbestos products. Examples of 'strong presumption' are:

- where laboratory analysis has confirmed the presence of asbestos in a similar construction material;
- materials in which asbestos is known to have been commonly used in the manufactured product at the time of installation (eg corrugated cement roof and wall sheeting, cement gutters and drainpipes, cement water tanks, ceiling tiles, insulating boards);
- materials which have the appearance of asbestos but no sample has been taken, eg thermal insulation on a pipe where fibres are clearly visible
- where the laboratory has sampled the same material in a different location and subsequent laboratory analysis has found that it does not contain asbestos.

2. **Presumed:** is the 'default' situation where a material is **presumed** to contain asbestos because there is insufficient evidence (eg no analysis) to confirm that it is asbestos free, or where a surveyor decides that it is easier under the planned management arrangements to presume certain materials contain asbestos. Many non-asbestos materials will also be presumed to contain asbestos using this system.

There is a further default situation where materials must be **presumed** to contain asbestos. **The default applies to areas which cannot be accessed or inspected. In this situation any area not accessed or inspected must be presumed to contain asbestos, unless there is strong evidence that it does not.**

The risk assessment process (also known as risk algorithms) designed by HSE, allow asbestos containing materials to be

ranked according to a Material Assessment algorithm and a Priority Assessment algorithm. Once this type of risk assessment process has been carried out by a competent person the information may be used to guide the employer in the best course of action to be taken regarding management of the asbestos-containing materials identified.

4 CONCLUSIONS AND ACTIONS

Where asbestos containing materials were identified in the survey recommendations are provided in the asbestos register and risk assessments. A further explanation of the terms used in the management of asbestos containing materials risks are given below.

Asbestos is a known human carcinogen (cancer causing agent) that was used extensively in Ireland up to 2000 when it was finally banned from use. Asbestos fibres may cause fatal lung disease when inhaled. These diseases are not sudden and may take many years to develop from the first exposures. **Asbestos containing materials constitute a particular risk within the meaning of the Safety Health and Welfare at Work (Construction) Regulations 2006-2010 and should be addressed in the preliminary Health and Safety Plan by the designers and the Project Supervisor Design Process. The Safety health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010 requires asbestos containing materials to be identified and a risk assessment conducted prior to undertaking maintenance work.**

Asbestos is a fibrous material and has excellent insulating and fire resistant properties. Asbestos was seldom used as pure asbestos fibres but rather combined with other products to add strength and stability or fire resistance to them. Asbestos may be found in products from a few percent up to 90% depending on the type of material.

Asbestos is a hazard to humans but the risks posed by asbestos containing materials (ACM) will depend on the type of ACM found. In simple terms where asbestos products are flaky and would crumble under hand pressure quite easily they are termed friable. The more friable the ACM the more risk there is to the individual handling the material. This is reflected in the material assessment scores in the risk assessments

No person is permitted to work with asbestos containing materials unless they have received training and have taken all reasonable steps to prevent exposure to asbestos. The requirement for training is detailed in Regulation 17 of the Safety Health and Welfare at Work (Exposure to Asbestos) Regulations, 2006 -2010

Our surveys are undertaken in accordance with HSG264 for the Sampling and Surveying of Buildings for Asbestos in Buildings. The results of the survey and the risk assessments for the asbestos containing materials found are undertaken in accordance with HSG264 and HSG227. These documents were produced by the Health and Safety Executive in the UK for the management of asbestos in premises. Both these documents are acknowledged by the Health and Safety Authority as being the current best practice for asbestos surveying and management in Ireland.

4.1 MANAGEMENT OPTIONS

ACM's are found in many industrial buildings, hospitals, schools and homes. These materials were installed before 2000 with the peak period for installation occurring from the 1970's to the late 1980's. ACM's installed some 20-30 years ago will vary in condition depending on the type of product and the use of that product. The Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010 requires a managed approach to asbestos containing materials in workplaces. These regulations require employers to identify the presence of asbestos containing materials and to assess the risk posed to workers by these ACM's based on the likely work activities and the potential for these work activities to disturb ACM's.

The outcome of these risk assessments are as follows;

1. **Priority 1:** Urgent action

a. Remove

Where ACM's are found to have reached the end of their serviceable life and the presence of the materials in the work area may lead to increased human exposure it may be necessary to remove the ACMs. ACM removal will form part of a construction project and will require careful coordination to be carried out safely. Following removal of the asbestos containing materials a site clearance for re-occupation certificate must be obtained from a competent independent analyst prior to demolition of the structure in accordance with **Regulation 15 (10) of the Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010**

b. Restrict Access

Where ACM's are found to have reached the end of their serviceable life and the presence of the materials in the work area may lead to increased human exposure it may be necessary to restrict access to areas where the ACMs are located pending removal. Where access is restricted it is advisable to have a permit to work system in place to control all work activities in the area. Removal or encapsulation will be required prior to the area being returned to normal occupancy.

2. **Priority 2:** Remedial work required

a. Encapsulate and manage in place

ACM's that are damaged but repairable can be repaired by a competent trained contractor and then managed in place. Where the repairs involve containing the ACM's behind a protective material (Encapsulation) it is important that the original ACM and the new surfaces are labelled as to the presence of ACM's. Following encapsulation of the asbestos containing materials a site clearance for re-occupation certificate must be obtained from a competent independent analyst prior to demolition of the structure in accordance with **Regulation 15 (10) of the Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010.**

b. Environmental Clean

Where there is debris from the installed ACM's in the surrounding area it may be recommended that this material is removed by environmentally cleaning the area around the materials. Following removal of the asbestos containing materials a site clearance for re-occupation certificate must be obtained from a competent independent analyst prior to demolition of the structure in accordance with **Regulation 15 (10) of the Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010.** The materials can then be managed in place as above.

3. **Priority 3:** Manage in Place & Monitor Periodically

Where ACM's are in good condition and pose minimal risk to building occupants or maintenance personnel it is recommended that they remain in situ and are monitored on a regular basis as to their condition. The frequency of monitoring is usually every 6 months but this should be determined by the asbestos management plan.

4.2 RISK ASSESSMENT

The risk assessment process includes a material assessment and a priority assessment. The material assessment takes account of the type and condition of the ACM and the ease with which it will release fibres if disturbed. The priority assessment looks at the likelihood of someone disturbing the ACM based on the normal routing work activities and the likelihood of maintenance together with the results of the material assessment.

The material assessment identifies high risk materials that are those which will most readily release airborne fibres if disturbed.

4.2.1 ASBESTOS TYPE

There are six regulated types of asbestos. The common names associated with some of the asbestos types are shown in brackets below;

- Crocidolite (Blue Asbestos)
- Amosite (Brown Asbestos)
- Actinolite
- Anthophyllite
- Tremolite
- Chrysotile (White Asbestos)

International studies have identified that they have different potential to cause harm. Crocidolite is the most dangerous and Chrysotile the least.

4.2.2 SURFACE TREATMENT

Surface treatment is a term used to describe how the fibres in the material are protected from release. The safest materials are composites such as cement and plastic where the fibres are contained within a material within a strong matrix. At the other end of the scale are materials that damage easily and have no protective coating such as sprayed asbestos and boiler lagging.

4.2.3 FRIABILITY

Products that damage easily such as sprayed asbestos are clearly more likely to release fibres than strong materials such as cement. This 'likelihood of fibre release' or crumbliness is commonly referred to as friability. Materials with high friability (such as insulation) are higher risk than those with low friability (such as vinyl floor tiles).

4.2.4 CONDITION

Products which are damaged are more likely to release fibres than those in good condition and are ranked according to the extent of damage observed.

It does not necessarily follow that those materials assigned the highest score in the material assessment will be the materials that should be given priority for remedial action.

Management priority must be determined by carrying out a risk assessment which will also take account occupancy factors such as;

- Maintenance activity
- Occupant activity
- Likelihood of disturbance
- Human exposure potential

The risk assessment can only be carried out with input from the building occupants or someone familiar with the occupant activities. These risk assessment may form the basis for

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an asbestos management plan and hence must accurately reflect the use of the building by the occupants.

When using this algorithm it is commonly accepted that ACM's can be divided into the following risk groups;

Risk Rating		Description
18 or more		High risk
12-17		Medium risk
11 or less		Very low risk

These are colour coded within our risk assessment as outlined above.

4.2.5 MATERIALS ASSESSMENT SCORING

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

4.2.6 Priority Assessment Scoring

The priority assessment involves combining the materials assessment with the human exposure potential for the ACM's based on the likely use and maintenance activities in the locations where ACM's were found. Using these risk algorithms we can assign a priority action for dealing with the risk from the ACM's found.

Description	Parameter		
The activities carried out in an area will have an impact on the risk assessment. When carrying out a risk assessment the main type of use of an area and the activities taking place within it should be taken into account. For example a little used storeroom, or an attic, will rarely be accessed and so any asbestos is unlikely to be disturbed. At the other end of the scale, in a warehouse lined with asbestos insulating board panels, with frequent vehicular movements, the potential for disturbance of ACMs is reasonably high and this would be a significant factor in the risk assessment.	Normal occupant activity		
	Main type of activity in area	0	Rare disturbance activity (eg little used store room)
		1	Low disturbance activities (eg office type activity)
		2	Periodic disturbance (eg industrial or vehicular activity which may contact ACMs)
		3	High levels of disturbance, (eg fire door with asbestos insulating board sheet in constant use)
The two factors that will determine the likelihood of disturbance are the extent or amount of the ACM and its accessibility/vulnerability. For example, asbestos soffits outdoors are generally inaccessible without the use of ladders or scaffolding, are unlikely to be disturbed. The asbestos cement roof of a hospital ward is also unlikely to be disturbed, but its extent would need to be taken into account in any risk assessment. However if the same ward had asbestos panels on the walls they would be much more likely to be disturbed by trolley/bed movements. The average of the three score is taken as the likelihood of disturbance score.	Likelihood of disturbance		
	Location	0	Outdoors
		1	Large rooms or well-ventilated areas
		2	Rooms up to 100 m2
		3	Confined spaces
	Accessibility	0	Usually inaccessible or unlikely to be disturbed
		1	Occasionally likely to be disturbed
		2	Easily disturbed
		3	Routinely disturbed
	Extent/amount	0	Small amounts or items (eg strings, gaskets)
		1	≤10 m2 or ≤10 m pipe run.
		2	>10 m2 to ≤50 m2 or >10 m to ≤50 m pipe run
		3	>50 m2 or >50 m pipe run

The human exposure potential depends on three factors: the number of occupants of an area, the frequency of use of the area, and the average time each area is in use. For example, a school boiler room is likely to be unoccupied, but may be visited daily for a few minutes. The potential for exposure is much less than say in a classroom lined with asbestos insulating board panelling, which is occupied daily for six hours by 30 pupils and a teacher. The average of the three scores is taken as the human exposure potential score.	Human exposure potential		
	Number of occupants	0	None
		1	1 to 3
		2	4 to 10
		3	>10
	Frequency of use of area	0	Infrequent
		1	Monthly
		2	Weekly
		3	Daily
	Average time area is in use	0	<1 hour
		1	>1 to <3 hours
		2	>3 to <6 hours
		3	>6 hours
The first and most important factor which must be taken into consideration is the level of maintenance activity likely to be taking place in an area. Maintenance trades such as plumbers and electricians are the group who the duty to manage is primarily trying to protect. There are two types of maintenance activity, planned and unplanned. Planned work can be assessed and carried out using procedures and controls to reduce exposure to asbestos. Unplanned work requires the situation to be dealt with as found and the controls that can be applied may be more limited. The frequency of maintenance activities also need to be taken into account in deciding what management action is appropriate. The average of the two scores is taken as the Maintenance Activity score.	Maintenance activity		
	Type of maintenance activity	0	Minor disturbance (eg possibility of contact when gaining access)
		1	Low disturbance (eg changing light bulbs in asbestos insulating board ceiling)
		2	Medium disturbance (eg lifting one or two asbestos insulating board ceiling tiles to access a valve)
		3	High levels of disturbance (eg removing a number of asbestos insulating board ceiling tiles to replace a valve or for recabing)

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	Frequency of maintenance activity	0	ACM unlikely to be disturbed for maintenance
		1	≤1 per year
		2	>1 per year
		3	>1 per month

4.3 REFERENCES

Safety Health and Welfare at Work Act 2005

Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010

Safety Health and Welfare at Work (Construction) Regulations 2006-2010

HSG264 The Survey Guide, HSE Books

HSG248 The Analysts Guide, HSE Books

HSG227 A Comprehensive Guide to Managing Asbestos in Premises

HSG247 The Contractors Guide, HSE Books

5 SURVEY RESULTS



Survey Results

Unit 2BeaT Centre,
Stephenstown Industrial Estate,
Balbriggan, Co. Dublin
Tel: (01) 6905907
Fax: (01) 8020439
Email: info@ohss.ie
Website: www.ohss.ie





Customer Site
Survey Date
Valid Until
Commissioned by

O'Briain Beary Architects
 Blood Science Facility,
 9/6/2018
 9/6/2019
 Michael Beary

Type
Report Number
Surveyor
Review Date
Method

Management
 24288
 Paul Foran
 9/6/2019
 WI-02 & WI-03



ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		295971		Location		RA:295971 Pathology Court Yard Floor walls and ceilings				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Cement Sheeting	>50m(m2)	Easily disturbed	Good condition	Asbestos Cement	Chrysotile		Previously Identified	3	7	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		295975		Location		RA:295975 Pathology Court Yard Floor walls and ceilings				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Cement Sheeting	>50m(m2)	Easily disturbed	Good condition	Asbestos Cement	Chrysotile		Previously Identified	3	7	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		295908	Location		RA:295908 Pathology Ceiling Voids Floor walls and ceilings					
Notes:		Duct work with Red Mastic contains asbestos from previous surveys								
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Reinforced Composites	Small Amount or items	Usually inaccessible or unlikely to be disturbed	Very Low	Composite Materials	Chrysotile		Previously Identified	2	5	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Client and Survey Details

Client : O'Briain Beary Architects

Site : Blood Science Facility,

Address : Pathology Block 6,

Beaumont Hospital

Date of Survey : 09 Jun 2018

Review Survey : 09 Jun 2019

Surveyor : Paul Foran

Method : WI-02 & WI-03

Report No. : 24288

Location Details

Building/Area : Pathology

Room/Section : Court Yard

Location : Floor walls and ceilings

Description : White panels

Sample No. :

Confirmation : Previously Identified

Access : Full Access

Normal Use : Laboratories

Material Risk Assessment 295971

Asbestos Type : Chrysotile

Type Of Product : Cement Sheetting

Condition : Good condition

Surface Treatment : Asbestos Cement

Material Assessment Score :

Score

1

1

0

1

3

Priority Assessment

Normal Occupant Activity : Low disturbance

Likelihood of Disturbance

Location : Outdoors

Accessibility : Easily disturbed

Extent/Amount : >50m(m2)

Human Exposure Potential

Number of Occupants : 1 to 3

Frequency of Use : Infrequent

Average Time of Use : Typically Less Than 1 Hour

Maintenance Activity

Type of Maintenance : Low disturbance

Frequency of Maintenance : <=1 per year

Material and Priority Assessment Score:

1

0

2

3

1

0

0

1

1

7

Photograph



Recommended Action

Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Please refer to the company's asbestos management plan for an explanation of this recommendation.

Risk Assessment

Priority Scores of 18 or More = High Risk

Priority Scores of 12 to 17 = Medium Risk

Priority Scores of 11 or less = Lower Risk

Lower Risk

Recommendations and Notes

Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Client and Survey Details

Client : O'Briain Beary Architects

Site : Blood Science Facility,

Address : Pathology Block 6,

Beaumont Hospital

Date of Survey : 09 Jun 2018

Review Survey : 09 Jun 2019

Surveyor : Paul Foran

Method : WI-02 & WI-03

Report No. : 24288

Location Details

Building/Area : Pathology

Room/Section : Court Yard

Location : Floor walls and ceilings

Description : White panels

Sample No. :

Confirmation : Previously Identified

Access : Full Access

Normal Use : Laboratories

Material Risk Assessment 295975

Asbestos Type : Chrysotile

Type Of Product : Cement Sheetting

Condition : Good condition

Surface Treatment : Asbestos Cement

Material Assessment Score :

Score

1

1

0

1

3

Priority Assessment

Normal Occupant Activity : Low disturbance

Likelihood of Disturbance

Location : Outdoors

Accessibility : Easily disturbed

Extent/Amount : >50m(m2)

Human Exposure Potential

Number of Occupants : 1 to 3

Frequency of Use : Infrequent

Average Time of Use : Typically Less Than 1 Hour

Maintenance Activity

Type of Maintenance : Low disturbance

Frequency of Maintenance: <=1 per year

Material and Priority Assessment Score:

1

0

2

3

1

0

0

1

1

7

Photograph



Recommended Action

Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Please refer to the company's asbestos management plan for an explanation of this recommendation.

Risk Assessment

Priority Scores of 18 or More = High Risk

Priority Scores of 12 to 17 = Medium Risk

Priority Scores of 11 or less = Lower Risk

Lower Risk

Recommendations and Notes

Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Client and Survey Details

Client : O'Briain Beary Architects

Site : Blood Science Facility,

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Date of Survey : 09 Jun 2018

Review Survey : 09 Jun 2019

Surveyor : Paul Foran

Method : WI-02 & WI-03

Report No. : 24288

Location Details

Building/Area : Pathology

Room/Section : Ceiling Voids

Location : Floor walls and ceilings

Description : Red mastic in ductwork

Sample No. :

Confirmation : Previously Identified

Access : Full Access

Normal Use : Laboratories

Material Risk Assessment 295908

Asbestos Type : Chrysotile

Type Of Product : Reinforced Composites

Condition : Very Low

Surface Treatment : Composite Materials

Score

1

1

0

0

Material Assessment Score :

2

Priority Assessment

Normal Occupant Activity : Low disturbance

Likelihood of Disturbance

Location : Rooms up to 100m2

Accessibility : Usually inaccessible or unlikely to be disturbed

Extent/Amount : Small Amount or items

Human Exposure Potential

Number of Occupants : 4 to 10

Frequency of Use : Infrequent

Average Time of Use : Infrequent

Maintenance Activity

Type of Maintenance : Rare disturbance

Frequency of Maintenance: <=1 per year

Material and Priority Assessment Score:

1

2

0

1

2

0

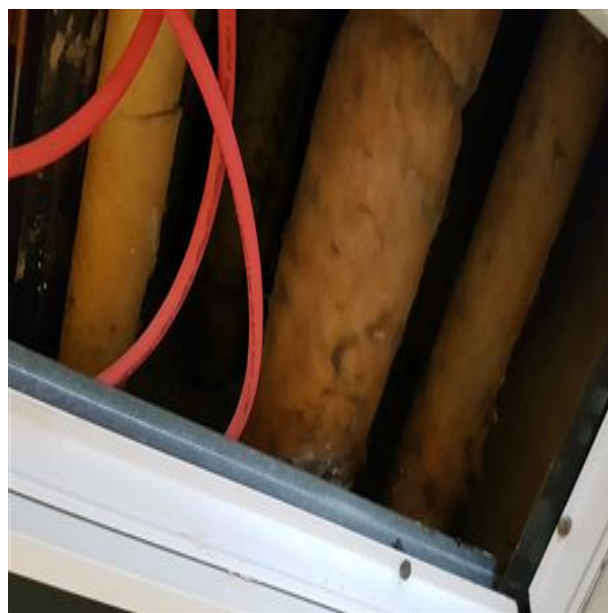
0

0

1

5

Photograph



Recommended Action

Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Please refer to the company's asbestos management plan for an explanation of this recommendation.

Risk Assessment

Priority Scores of 18 or More = High Risk

Priority Scores of 12 to 17 = Medium Risk

Priority Scores of 11 or less = Lower Risk

Lower Risk

Recommendations and Notes

Priority 1 : Remove ACM's Prior to Refurbishment or Demolition. Duct work with Red Mastic contains asbestos from previous surveys



Customer
Site
Survey Date
Valid Until
Commissioned by

O'Briain Beary Architects
 Blood Science Facility,
 9/6/2018
 9/6/2019
 Michael Beary

Type
Report Number
Surveyor
Review Date
Method

Management
 24288
 Paul Foran
 9/6/2019
 WI-02 & WI-03



AREAS INSPECTED

Area(s) inspected during the survey where no ACM's were identified.

Risk Assessment	295909	Location	RA:295909 Pathology On Call room Floor walls and ceilings
Risk Assessment	295910	Location	RA:295910 Pathology On Call room Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295911	Location	RA:295911 Pathology On Call room Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295912	Location	RA:295912 Pathology On Call room Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295913	Location	RA:295913 Pathology On Call room Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295914	Location	RA:295914 Pathology On Call room Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295915	Location	RA:295915 Pathology Chemical Pathology lab Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295916	Location	RA:295916 Pathology Chemical Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295917	Location	RA:295917 Pathology L1 CP6 Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295918	Location	RA:295918 Pathology L1 CP21 Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295919	Location	RA:295919 Pathology L1 CP22 Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		



Customer Site
Survey Date
Valid Until
Commissioned by

O'Briain Beary Architects
Blood Science Facility,
9/6/2018
9/6/2019
Michael Beary

Type
Report Number
Surveyor
Review Date
Method

Management
24288
Paul Foran
9/6/2019
WI-02 & WI-03



AREAS INSPECTED

Area(s) inspected during the survey where no ACM's were identified.

Risk Assessment	295920	Location	RA:295920 Pathology L1 CP23 Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295921	Location	RA:295921 Pathology L1 CP3 Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295922	Location	RA:295922 Pathology L1 CP24 Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295924	Location	RA:295924 Pathology Corridor Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295925	Location	RA:295925 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295926	Location	RA:295926 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295927	Location	RA:295927 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295928	Location	RA:295928 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295929	Location	RA:295929 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295930	Location	RA:295930 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295931	Location	RA:295931 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		



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AREAS INSPECTED

Area(s) inspected during the survey where no ACM's were identified.

Risk Assessment	295932	Location	RA:295932 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295933	Location	RA:295933 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295934	Location	RA:295934 Pathology Store Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295935	Location	RA:295935 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295936	Location	RA:295936 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295937	Location	RA:295937 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295938	Location	RA:295938 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295939	Location	RA:295939 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295940	Location	RA:295940 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295941	Location	RA:295941 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295942	Location	RA:295942 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		



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AREAS INSPECTED

Area(s) inspected during the survey where no ACM's were identified.

Risk Assessment	295943	Location	RA:295943 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295944	Location	RA:295944 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295945	Location	RA:295945 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295946	Location	RA:295946 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295947	Location	RA:295947 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295948	Location	RA:295948 Pathology Office Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295949	Location	RA:295949 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295951	Location	RA:295951 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295952	Location	RA:295952 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295953	Location	RA:295953 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295955	Location	RA:295955 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		



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9/6/2019
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24288
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9/6/2019
WI-02 & WI-03



AREAS INSPECTED

Area(s) inspected during the survey where no ACM's were identified.

Risk Assessment	295956	Location	RA:295956 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295957	Location	RA:295957 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295958	Location	RA:295958 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295959	Location	RA:295959 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295960	Location	RA:295960 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295961	Location	RA:295961 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295962	Location	RA:295962 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295963	Location	RA:295963 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295964	Location	RA:295964 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295965	Location	RA:295965 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		
Risk Assessment	295966	Location	RA:295966 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		



Customer
Site
Survey Date
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9/6/2018
9/6/2019
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Report Number
Surveyor
Review Date
Method

Management
24288
Paul Foran
9/6/2019
WI-02 & WI-03



AREAS INSPECTED

Area(s) inspected during the survey where no ACM's were identified.

Risk Assessment	295967	Location	RA:295967 Pathology Pathology reception Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		

Risk Assessment	295968	Location	RA:295968 Pathology Toilet Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive		

Risk Assessment	295969	Location	RA:295969 Pathology Toilet Floor walls and ceilings
Notes:	mushroom Floor tiles and bitumen adhesive. Ceiling tiles sampled		

Risk Assessment	295973	Location	RA:295973 Pathology Court Yard Floor walls and ceilings
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Risk Assessment	295906	Location	RA:295906 Pathology Corridor Floor walls and ceilings
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Risk Assessment	295907	Location	RA:295907 Pathology Corridor Floor walls and ceilings
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Materials Risk Assessment MANAGEMENT Survey in accordance with HSG264

Unit 2BEaT Centre, Stephenstown Industrial Estate, Balbriggan, Co. Dublin Tel: (01) 6905907 Fax: (01) 8020439 Email: info@ohss.ie Website: www.ohss.ie

Client and Survey Details

Client : O'Briain Beary Architects
Site : Blood Science Facility,
Address : Pathology Block 6,
Beaumont Hospital

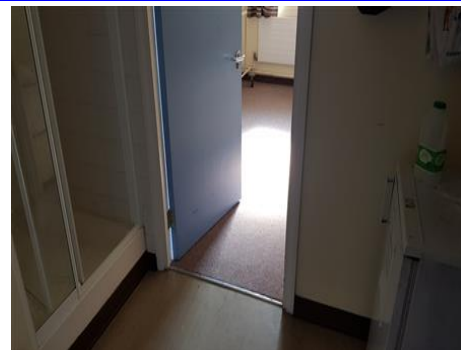
Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295909 No Asbestos Found

Building/Area : Pathology
Room/Section : On Call room
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

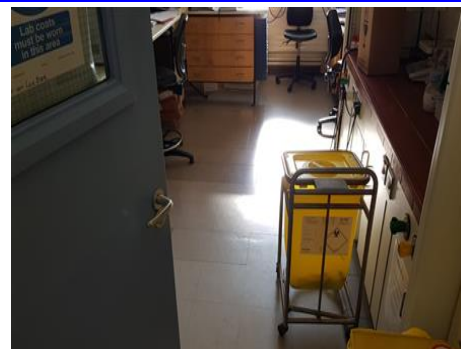


Location Details 295910 No Asbestos Found

Building/Area : Pathology
Room/Section : On Call room
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295911 No Asbestos Found

Building/Area : Pathology
Room/Section : On Call room
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Date of Survey : 09 Jun 2018
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Method : WI-02 & WI-03
Report No. : 24288

Location Details 295912 No Asbestos Found

Building/Area : Pathology
Room/Section : On Call room
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

Location Details 295913 No Asbestos Found

Building/Area : Pathology
Room/Section : On Call room
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

Location Details 295914 No Asbestos Found

Building/Area : Pathology
Room/Section : On Call room
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

While every effort was taken to insure the accuracy of this report we do not accept responsibility for any omissions or areas of the building not addressed in the report.
This report is intended to assist in reducing the possibility of accidents and ill health by bringing to the client's attention identified asbestos containing materials.
It is not implied that all other hazards are under control at the time of inspections.

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Method : WI-02 & WI-03
Report No. : 24288

Location Details 295915 No Asbestos Found

Building/Area : Pathology
Room/Section : Chemical Pathology lab
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295916 No Asbestos Found

Building/Area : Pathology
Room/Section : Chemical Pathology Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295917 No Asbestos Found

Building/Area : Pathology
Room/Section : L1 CP6
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Client and Survey Details

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Site : Blood Science Facility,
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Date of Survey : 09 Jun 2018
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Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295918 No Asbestos Found

Building/Area : Pathology
Room/Section : L1 CP21
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

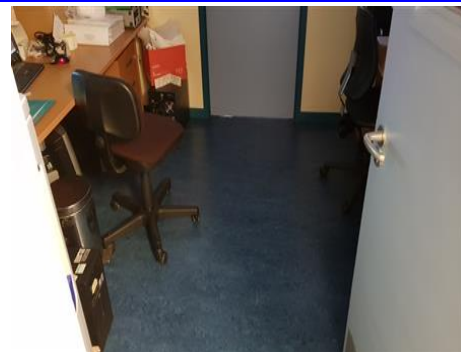


Location Details 295919 No Asbestos Found

Building/Area : Pathology
Room/Section : L1 CP22
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

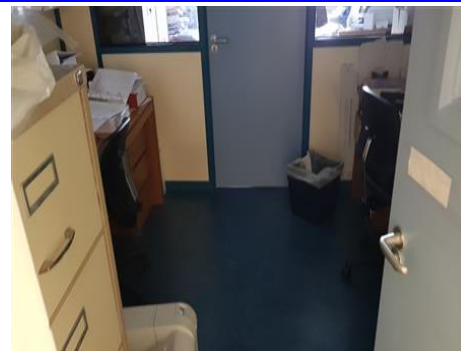


Location Details 295920 No Asbestos Found

Building/Area : Pathology
Room/Section : L1 CP23
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Method : WI-02 & WI-03
Report No. : 24288

Location Details 295921 No Asbestos Found

Building/Area : Pathology
Room/Section : L1 CP3
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

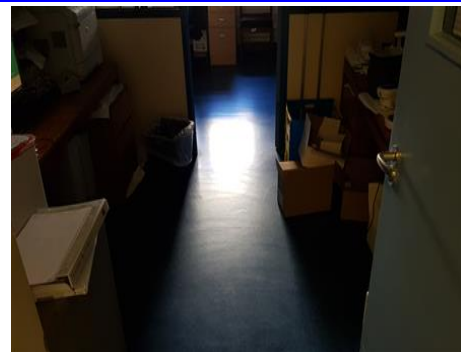


Location Details 295922 No Asbestos Found

Building/Area : Pathology
Room/Section : L1 CP24
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

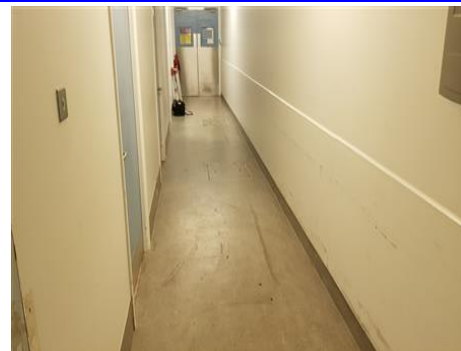


Location Details 295924 No Asbestos Found

Building/Area : Pathology
Room/Section : Corridor
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Method : WI-02 & WI-03
Report No. : 24288

Location Details 295925 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295926 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

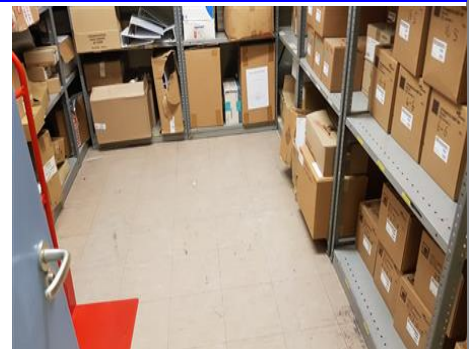


Location Details 295927 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Method : WI-02 & WI-03
Report No. : 24288

Location Details 295928 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295929 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295930 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Beaumont Hospital

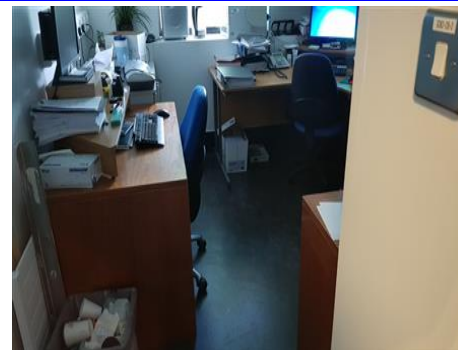
Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295931 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295932 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

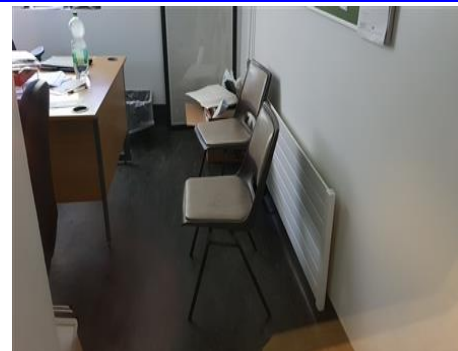


Location Details 295933 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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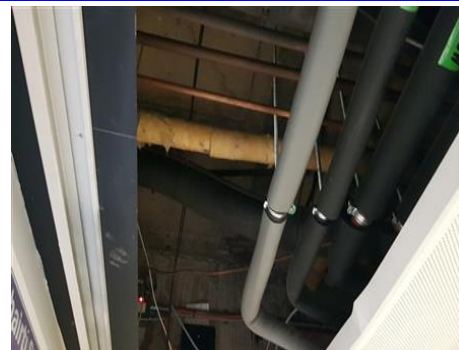
Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295934 No Asbestos Found

Building/Area : Pathology
Room/Section : Store
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295935 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295936 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Materials Risk Assessment MANAGEMENT Survey in accordance with HSG264

Unit 2BEaT Centre, Stephenstown Industrial Estate, Balbriggan, Co. Dublin Tel: (01) 6905907 Fax: (01) 8020439 Email: info@ohss.ie Website: www.ohss.ie

Client and Survey Details

Client : O'Briain Beary Architects
Site : Blood Science Facility,
Address : Pathology Block 6,
Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295937 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295938 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

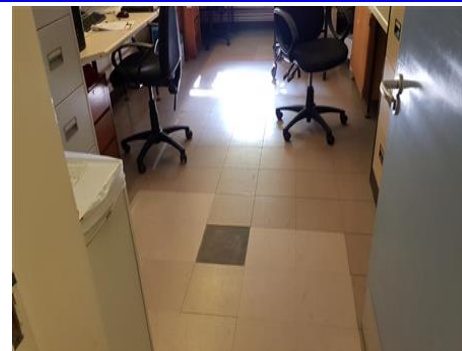


Location Details 295939 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Site : Blood Science Facility,
Address : Pathology Block 6,
Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295940 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295941 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

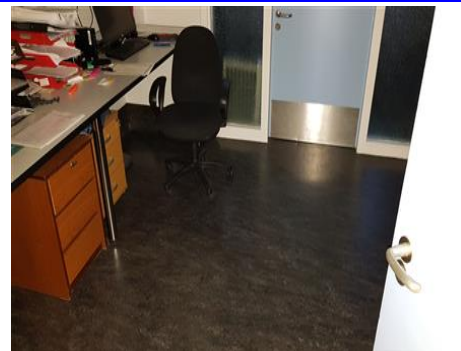


Location Details 295942 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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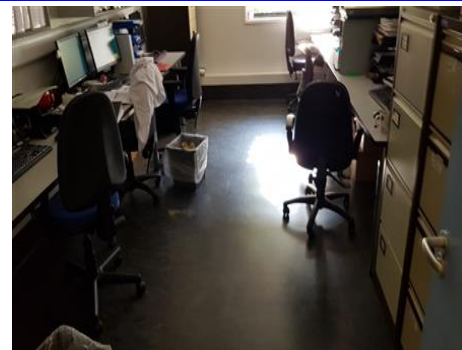
Client and Survey Details

Client : O'Briain Beary Architects
Site : Blood Science Facility,
Address : Pathology Block 6,
Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295943 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

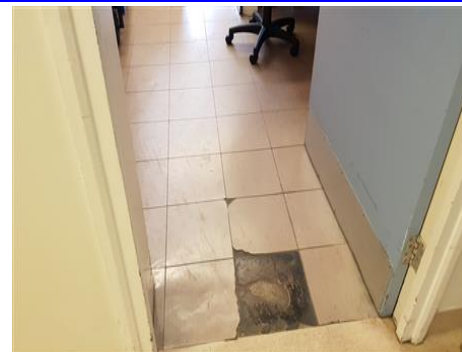


Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

Location Details 295944 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

Location Details 295945 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

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Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295946 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295947 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. : BFB20180609001
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295948 No Asbestos Found

Building/Area : Pathology
Room/Section : Office
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Client and Survey Details

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Address : Pathology Block 6,
Beaumont Hospital

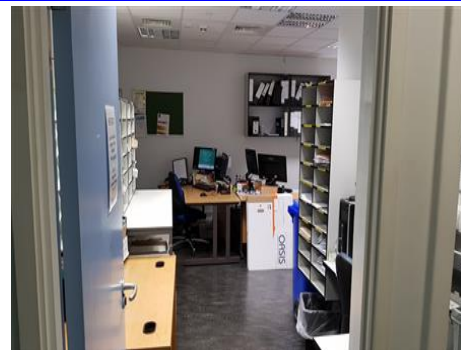
Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295949 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295951 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295952 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Site : Blood Science Facility,
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Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295953 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

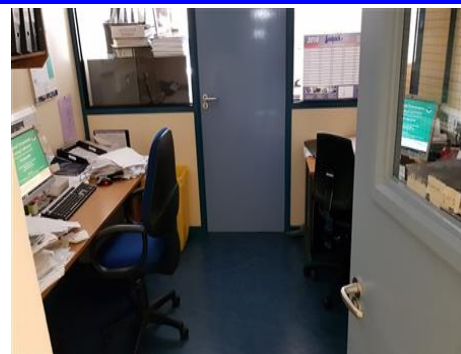


Location Details 295955 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

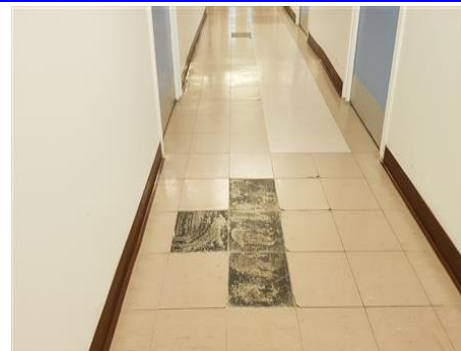


Location Details 295956 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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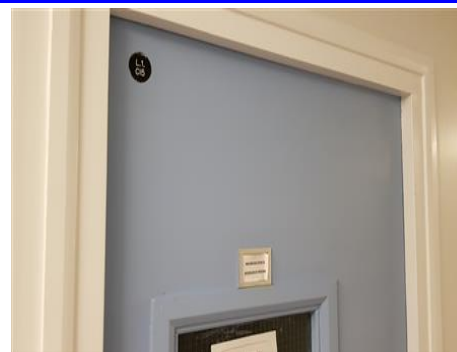
Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295957 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. : BFB20180609002
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295958 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295959 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Client and Survey Details

Client : O'Briain Beary Architects
Site : Blood Science Facility,
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Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295960 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295961 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295962 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Materials Risk Assessment MANAGEMENT Survey in accordance with HSG264

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Client and Survey Details

Client : O'Briain Beary Architects
Site : Blood Science Facility,
Address : Pathology Block 6,
Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295963 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

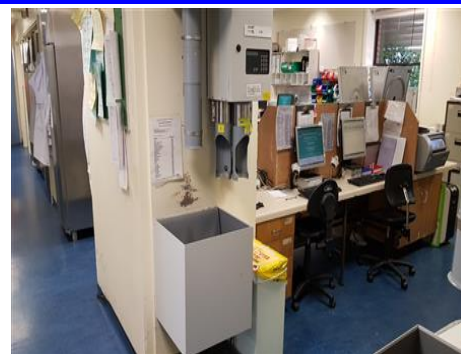


Location Details 295964 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295965 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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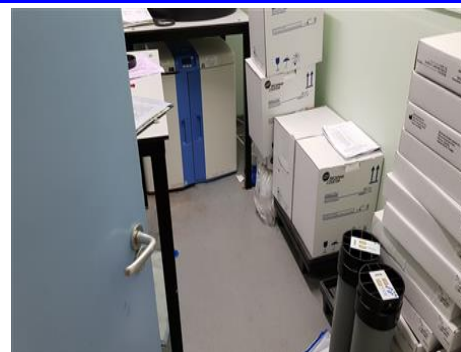
Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295966 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295967 No Asbestos Found

Building/Area : Pathology
Room/Section : Pathology reception
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Location Details 295968 No Asbestos Found

Building/Area : Pathology
Room/Section : Toilet
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

Recommendations :

mushroom Floor tiles and bitumen adhesive; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



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Client and Survey Details

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Site : Blood Science Facility,
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Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295969 No Asbestos Found

Building/Area : Pathology
Room/Section : Toilet
Location : Floor walls and ceilings
Description : Tiles
Sample No. : BFB20180609.03
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

mushroom Floor tiles and bitumen adhesive. Ceiling tiles sampled; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

Location Details 295973 No Asbestos Found

Building/Area : Pathology
Room/Section : Court Yard
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories

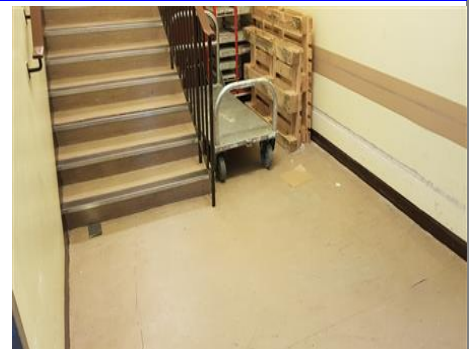


Recommendations :

; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

Location Details 295906 No Asbestos Found

Building/Area : Pathology
Room/Section : Corridor
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.

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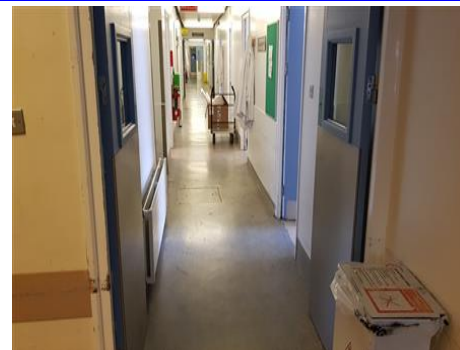
Client and Survey Details

Client : O'Briain Beary Architects
Site : Blood Science Facility,
Address : Pathology Block 6,
Beaumont Hospital

Date of Survey : 09 Jun 2018
Review Survey : 09 Jun 2019
Surveyor : Paul Foran
Method : WI-02 & WI-03
Report No. : 24288

Location Details 295907 No Asbestos Found

Building/Area : Pathology
Room/Section : Corridor
Location : Floor walls and ceilings
Description :
Sample No. :
Confirmation : --N\A--
Access : Full Access
Normal Use : Laboratories



Recommendations :

; No ACM's identified in this area. A more detailed survey will be required prior to any refurbishment or demolition works.



Drawings

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Directors: Deirdre Corry, Paul Foran BA(Mod), MSc., MA, Dip Env. Eng., Dip Mgt., MIOSH, ROH **Company Reg no:** 354843



Asbestos Management Survey
Blood Science Facility,
Pathology Block 6, Beaumont Hospital.



QMF 139 Rev 1



Sample Analysis

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Certificate Number: 24072 **Issue No:** 1

Job No: 24288

Date Received: 09-Jun-2018

Date Tested: 11-Jun-2018

Date Tested: 11-Jun-2018

Date Reported: 11-Jun-2018

Number of Samples: 4

Specification: WI 05

Samples Taken By: OHSS[illegible]

Comments

- 1** The Bulk sample(s) referred to above were analysed for asbestos content using dispersion staining and polarised light microscopy in accordance with the requirements of HSG 248 and using OHSS Documented Work Instruction –WI 05 Bulk Sampling Analysis.
- 2** Any work (removal, repair etc.) involving asbestos containing materials must be carried out in accordance with the Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010 or the Control of Asbestos Regulations NI 2012 and all other relevant national legislation.
- 3** In the case of samples supplied by the client, Occupational Hygiene and Safety Services Ltd. (OHSS) cannot accept responsibility for the sampling strategies employed and the sampling information supplied to OHSS. OHSS cannot accept responsibility for the interpretation of the sampling information contained on this report by any parties.
- 4** OHSS is an INAB accredited laboratory for the sampling and identification of Asbestos containing materials
- 5** Comments, observations and opinions are outside the scope of INAB accreditation

Analyst: Paul Foran

Signed: Paul Foran
Paul Foran
For and on authority of OHSS

OHSS, Unit 2 BEaT Centre, Stephenstown Industrial Estate, Balbriggan, Co.Dublin.
Tel: 01 6905907. Fax: 01 8020439 E-mail info@ohss.ie Web: www.ohss.ie