

Appendix 5.3

Asbestos Survey Report

ASBESTOS DEMOLITION SURVEY REPORT



Of Proposed

Arklow Main Drainage Site

Ferrybank

Arklow

Co. Wicklow

On behalf of

Irish Water.

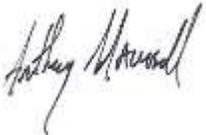
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Project Number
17661

DOCUMENT CONTROL

Client	Irish Water
Project Title	17661 Asbestos Investigation Ferrybank Site Arklow
Document Title	Asbestos Demolition Report
Report No.	17661

Rev	Status	Author(s)	Revision History	Approved By	Issue Date
D01	Draft	 Anthony Maunsell	Initial Release to Client	 Paul Foran	29 th Mar 2016
D01	Final	 Anthony Maunsell	Drawings updated to reflect building names.	 Paul Foran	31 st Mar 2016

Contents

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

1 EXECUTIVE SUMMARY

OHSS carried out an asbestos survey to HSG264 requirements for the purposes of identifying asbestos containing materials in the premises(s) prior to planned demolition. 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.

- The wall and roof cladding to the Wallboard building is asbestos cement sheets.
- The wall and roof cladding of the stores building is asbestos cement sheets
- The ceilings of the stores building is asbestos cement sheeting.
- The roof cladding to the high section of Wallboard building is asbestos cement sheets.
- The wall and roof cladding to the Masterglaze building is asbestos cement sheets
- Rope seals to the lights in the Masterglaze site contain asbestos.
- Lino with asbestos paper backing is present to the electrical room of the Wallboard Building.
- Vinyl floor tiles and bitumen containing asbestos are present to the locker room of the Wallboard Building.
- Rain water goods to the buildings contain asbestos.
- The internal walls and ceiling of the prefab contain asbestos.
- Asbestos cement debris is present around and within all buildings on site.
- Asbestos cement debris is present in the sea defences rocks to the east of the site.

Prior to works commencing on site these asbestos containing materials should be removed by a competent contractor and disposed of as asbestos waste.

A copy of this report should be made available to contractors prior to further surveys being carried out on site so that they may under take a risk assessment.

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. The risk assessment will form part of the overall safety management system for the contractor carrying out any asbestos removal works. The results of the risk assessment must be communicated to the employees and made available to them. This report may be used by the Project Supervisor for Design Process and the designers to highlight the presence of asbestos containing materials found in the buildings.

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.

1.1.1 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 relates to the friability of the product. It is used to indicate the level of risk posed by the product
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 demolition asbestos survey of the former Wallboard Site Ferrybank, Arklow.

The purpose of the survey is to identify and risk assess asbestos containing materials (ACM's) in the premises or area where planned demolition works are to take place. The survey aims to provide sufficient information for designers and the project supervisor for design process to take account of identified asbestos risks. The design team must take account of known locations where ACM's are identified and plan to eliminate the risk or prevent exposure to asbestos during the construction phase. Asbestos is a particular risk within the definitions of "particular risk" in the Safety Health and Welfare at Work (Constructions) Regulations 2013 and should be highlighted in the design risk assessments accompanying the Preliminary Safety and Health Plan.

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.

2.2 BUILDING DETAILS AND CONSTRUCTION TYPE

Constructed in the 1960's the Former Wallboard Site is a large manufacturing site with buildings built using the traditional methods for the era of construction. The buildings have solid concrete floors with precast concrete floors at intermediate levels. The cladding to these buildings is asbestos cement sheeting.

3 GENERAL SITE AND SURVEY INFORMATION

Client Details: Irish Water

Client Address: Irish Water
Covill House
Dublin.

Site Address: Proposed Arklow main Drainage Site
Ferrybank
Arklow
Co. Wicklow

Commissioned By: Byrne Looby PHMcCarthy

Surveyor: Anthony Maunsell

Staff Consulted during the survey Kevin Scanlon

Date of Survey: 23rd Mar 2016

Date of Report: 29th Mar 2016

Description of the Areas Surveyed:

The main Wallbaord site building ground floor, stores building, Masterglaze building, garage, prefabs and surrounds.

Excluded Areas:

As per the clients requirements the following areas were not accessed; due to access the upper floors of the high buildings were not accessed. Beneath the ground level/floor slab was not accessed during the survey. The buildings at the entrance gate were not accessed as there were occupied at the time of the survey.

Survey Methodology:

On-site inspection bulk sampling and risk assessment were conducted in accordance with OHSS documented in-house work instructions.

Analysis of asbestos fibres in bulk materials is carried out at the OHSS laboratory. OHSS is accredited to 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 if possible. 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 the OHSS documented in-house work instructions.

The results of the survey together with the laboratory bulk sample analysis records are given in further sections to this report.

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':

- **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.
- **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 HSE have related the scores obtained in the materials assessment algorithms in HSG 264 to a number of risk categories that may be used to guide the employers as to the best course of action to take to mitigate the risk. These are further explained in our risk assessment sheets contained within this report.

These scores can then be ranked and so decisions can be taken as to what actions are required to control the risks from asbestos containing materials during demolition.

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.**

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

4.1 DEMOLITION OPTIONS

ACM 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. 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.**

2. Remove

Prior to demolition of the building or structure asbestos containing materials must be removed and disposed of by a competent contractor. 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.**

4.2 MATERIALS ASSESSMENT SCORING

4.2.1 ASBESTOS RISK ASSESSMENT

Employers are required under the Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006-2010 to perform a risk assessment whenever they identify asbestos containing materials within the working environment. The risk posed by asbestos is determined by the current and potential level of employee exposure to asbestos fibres. The following parameters are used in developing a risk assessment for asbestos containing materials;

4.2.2 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 Chysotile the least.

4.2.3 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.

4.2.4 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).

4.2.5 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.

4.3 CALCULATING RISK ASSESSMENTS

The Health and Safety Executive developed a risk assessment process within HSG264 which takes these four factors into account and attributes values to each of the factors allowing you to calculate a material risk assessment.

4.3.1 MATERIAL ASSESSMENT ALGORITHM

The material assessment algorithm is commonly used by most surveying organisations to give an indication of how dangerous a material is. Each of the four risk factors (friability, condition, surface treatment and asbestos type) are attributed a score of between 0 and 3 (see below). These scores are accumulated to give a risk score of between 0 and 12 (where 12 is the highest risk).

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

Material Risk Rating	Description
10-12	High risk
7-9	Medium risk
5-6	Low risk
0-4	Very low risk

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

4.3.2 HSG264 MATERIAL ASSESSMENT TABLE

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

4.4 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 2013

HSG264 The Survey Guide, HSE Books

HSG248 The Analysts Guide, HSE Books

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





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WI-02 & WI-03



ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204343	Location		RA: 204343 Wallboard Site Portacabin All internal Walls and Ceilings					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Amosite & Crocidolite	AMB20160323002	Sample Taken	7	7	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204344	Location		RA: 204344 Wallboard Site Portacabin Ground					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Amosite & Crocidolite		Strongly presumed	7	7	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204345	Location		RA: 204345 Wallboard Site Portacabin Ground					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Amosite & Crocidolite		Strongly presumed	7	7	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204349	Location		RA: 204349 Wallboard Site Masterglaze Building Ground Outside					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204353		Location		RA: 204353 Wallboard Site Stores Building Roof and Wall Cladding				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204354		Location		RA: 204354 Wallboard Site Stores Building Rain Water Goods				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204355		Location		RA: 204355 Wallboard Site Stores Building Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204356		Location		RA: 204356 Wallboard Site Stores Building Internal				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204359		Location		RA: 204359 Wallboard Site Stores Building South Facade				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204360		Location		RA: 204360 Wallboard Site Stores Building South Facade Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204363		Location		RA: 204363 Wallboard Site Stores Building East Facade				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204364		Location		RA: 204364 Wallboard Site Stores Building East of Site in Sea Defence Rocks				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204365	Location		RA: 204365 Wallboard Site Stores Building East of Site in Sea Defence Rocks					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204366	Location		RA: 204366 Wallboard Site Stores Building East of Site in Sea Defence Rocks					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204367	Location		RA: 204367 Wallboard Site Stores Building East Facade Ground					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204368	Location		RA: 204368 Wallboard Site Stores Building East of Site in Sea Defence Rocks					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204369		Location		RA: 204369 Wallboard Site Stores Building East Facade Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204376		Location		RA: 204376 Wallboard Site Main Building Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204378		Location		RA: 204378 Wallboard Site Main Building Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204383		Location		RA: 204383 Wallboard Site Main Building Around Building				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	6	6	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204500		Location		RA: 204500 Wallboard Site Roofs Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile & Amosite		Sample Taken	6	6	Priority 1: Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204501		Location		RA: 204501 Wallboard Site Roofs Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly Presumed	5	5	Priority 1: Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204379		Location		RA: 204379 Wallboard Site Main Building Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite	AMB20160323007	Sample Taken	5	5	Priority 1: Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204499		Location		RA: 204499 Wallboard Site HL Roofs Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly Presumed	5	5	Priority 1: Remove ACM's Prior to Refurbishment or Demolition.



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17761
Anthony Maunsell
23/3/2017
WI-02 & WI-03



ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204375	Location		RA: 204375 Wallboard Site Main Building Roof Cladding					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	5	5	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204348	Location		RA: 204348 Wallboard Site Masterglaze Building Rain Water Goods					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	5	5	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204352	Location		RA: 204352 Wallboard Site Main Building South Wall Cladding					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	5	5	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204371	Location		RA: 204371 Wallboard Site Metal Clad Building Rain Water Goods					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	5	5	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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Irish Water

Type
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Demolition
17761
Anthony Maunsell
23/3/2017
WI-02 & WI-03



ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment	204342	Location	RA: 204342 Wallboard Site Roadway Ground							
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	High Damage	Composite materials containing asbestos	Chrysotile	AMB20160323001	Sample Taken	5	5	Priority 2: Remedial Work Required Environmental Clean Required.

Risk Assessment	204346	Location	RA: 204346 Wallboard Site Main Building Wall Cladding							
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile & Amosite	AMB20160323003	Sample Taken	5	5	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment	204347	Location	RA: 204347 Wallboard Site Masterglaze Building Wall and Roof Cladding							
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Low Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	4	4	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment	204350	Location	RA: 204350 Wallboard Site Masterglaze Building Lights							
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Rope	--N/A--	--N/A--	Low Damage	Composite materials containing asbestos	Chrysotile		Strongly presumed	4	4	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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Irish Water

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Demolition
17761
Anthony Maunsell
23/3/2017
WI-02 & WI-03



ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204361		Location		RA: 204361 Wallboard Site Stores Building East Facade Ground				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Low Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	4	4	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204362		Location		RA: 204362 Wallboard Site Stores Building East Facade				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Low Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	4	4	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204357		Location		RA: 204357 Wallboard Site Stores Building Internal Ceilings				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Asbestos Cement	--N/A--	--N/A--	Low Damage	Composite materials containing asbestos	Chrysotile & Amosite		Strongly presumed	4	4	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.

Risk Assessment		204374		Location		RA: 204374 Wallboard Site Main Building Locker Room				
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
Vinyl Floor Tiles & Bitumen	--N/A--	--N/A--	Medium Damage	Composite materials containing asbestos	Chrysotile	AMB20160323005	Sample Taken	4	4	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.



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23/3/2016
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Irish Water

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Demolition
17761
Anthony Maunsell
23/3/2017
WI-02 & WI-03



ACM REGISTER

The following areas were found to contain ACM's

Risk Assessment		204377		Location		RA: 204377 Wallboard Site Main Building Electrical Room					
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action	
Asbestos Paper	--N/A--	--N/A--	Low Damage	Composite materials containing asbestos	Chrysotile	AMB20160323006	Sample Taken	4	4	Priority 1 : Remove ACM's Prior to Refurbishment or Demolition.	

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Portacabin

Location : All internal Walls and Ceilings

Description : Asbestos Cement

Sample No. : AMB20160323002

Confirmation : Sample Taken

Access : Full Access

Normal Use :

Material Risk Assessment 204343

	Score	Risk Rating
Asbestos Type : Amosite & Crocidolite	3	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	7	Medium Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Portacabin

Location : Ground

Description : Asbestos Cement Debris

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204344

	Score	Risk Rating
Asbestos Type : Amosite & Crocidolite	3	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	7	Medium Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Portacabin

Confirmation : Strongly presumed

Location : Ground

Access : Full Access

Description : Asbestos Cement Debris

Normal Use :

Material Risk Assessment 204345

	Score	Risk Rating
Asbestos Type : Amosite & Crocidolite	3	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	7	Medium Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Masterglaze Building

Location : Ground Outside

Description : Asbestos Cement Debris

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204349

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : Roof and Wall Cladding

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204353

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : Rain Water Goods

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204354

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : Ground

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204355

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Stores Building

Location : Internal

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204356

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

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Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : South Facade

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204359

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

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Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Stores Building

Location : South Facade Ground

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204360

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : East Facade

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204363

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Stores Building

Location : East of Site in Sea Defence Rocks

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204364

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Stores Building

Location : East of Site in Sea Defence Rocks

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204365

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : East of Site in Sea Defence Rocks

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204366

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : East Facade Ground

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204367

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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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 : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Stores Building

Location : East of Site in Sea Defence Rocks

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204368

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : East Facade Ground

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204369

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Main Building

Confirmation : Strongly presumed

Location : Ground

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204376

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Main Building

Confirmation : Strongly presumed

Location : Ground

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204378

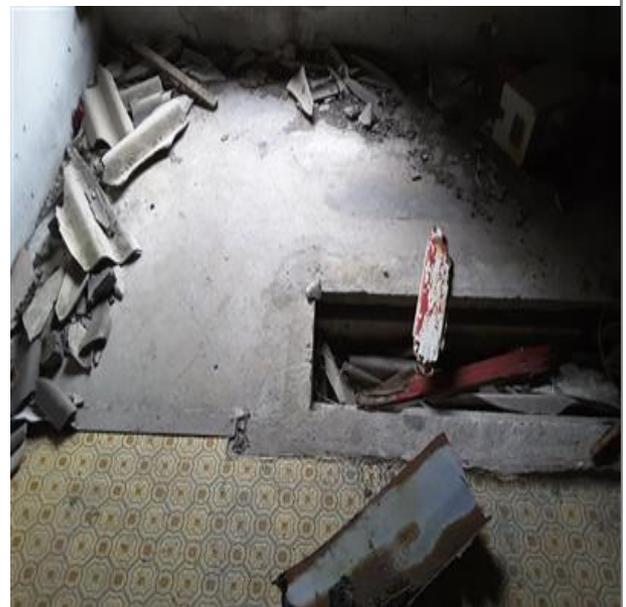
	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details

Building/Area : Wallboard Site	Sample No. :
Room/Section : Main Building	Confirmation : Strongly presumed
Location : Around Building	Access : Full Access
Description : Asbestos Cement	Normal Use :

Material Risk Assessment 204383

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Roofs

Location : Ground

Description : Asbestos Cement

Sample No. :

Confirmation : Sample Taken

Access : Full Access

Normal Use :

Material Risk Assessment 204500

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	6	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Roofs

Confirmation : Strongly Presumed

Location : Ground

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204501

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. : AMB20160323007

Room/Section : Main Building

Confirmation : Sample Taken

Location : Ground

Access : Full Access

Description : Stacked Asbestos Cement

Normal Use :

Material Risk Assessment 204379

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : HL Roofs

Location : Ground

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly Presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204499

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Main Building

Location : Roof Cladding

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204375

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Masterglaze Building

Confirmation : Strongly presumed

Location : Rain Water Goods

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204348

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Main Building

Location : South Wall Cladding

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204352

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Metal Clad Building

Location : Rain Water Goods

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204371

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details

Building/Area : Wallboard Site	Sample No. : AMB20160323001
Room/Section : Roadway	Confirmation : Sample Taken
Location : Ground	Access : Full Access
Description : Asbestos Cement Debris	Normal Use :

Material Risk Assessment 204342

	Score	Risk Rating
Asbestos Type : Chrysotile	1	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : High Damage	3	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

Priority 2: Remedial Work Required Environmental Clean Required.
--

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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details

Building/Area : Wallboard Site	Sample No. : AMB20160323003
Room/Section : Main Building	Confirmation : Sample Taken
Location : Wall Cladding	Access : Full Access
Description : Asbestos Cement	Normal Use :

Material Risk Assessment 204346

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	5	Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Masterglaze Building

Confirmation : Strongly presumed

Location : Wall and Roof Cladding

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204347

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Low Damage	1	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	4	Very Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details

Building/Area : Wallboard Site	Sample No. :
Room/Section : Masterglaze Building	Confirmation : Strongly presumed
Location : Lights	Access : Full Access
Description : Rope Seals	Normal Use :

Material Risk Assessment 204350

	Score	Risk Rating
Asbestos Type : Chrysotile	1	High Risk
Type Of Product : Asbestos Rope	2	Medium Risk
Condition : Low Damage	1	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	4	Very Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : East Facade Ground

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204361

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Low Damage	1	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	4	Very Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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

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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 : Irish Water

Site : Wallboard Site

Address : Wallboard Site

Arklow

Wicklow

Date of Survey : 23 Mar 2016

Review Survey : 23 Mar 2017

Surveyor : Anthony Maunsell

Method : WI-02 WI-03

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Room/Section : Stores Building

Location : East Facade

Description : Asbestos Cement

Sample No. :

Confirmation : Strongly presumed

Access : Full Access

Normal Use :

Material Risk Assessment 204362

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Low Damage	1	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	4	Very Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. :

Room/Section : Stores Building

Confirmation : Strongly presumed

Location : Internal Ceilings

Access : Full Access

Description : Asbestos Cement

Normal Use :

Material Risk Assessment 204357

	Score	Risk Rating
Asbestos Type : Chrysotile & Amosite	2	High Risk
Type Of Product : Asbestos Cement	1	Medium Risk
Condition : Low Damage	1	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	4	Very Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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Client and Survey Details

Client : Irish Water

Date of Survey : 23 Mar 2016

Site : Wallboard Site

Review Survey : 23 Mar 2017

Address : Wallboard Site

Surveyor : Anthony Maunsell

Arklow

Method : WI-02 WI-03

Wicklow

Report No. : 17761

Location Details

Building/Area : Wallboard Site

Sample No. : AMB20160323005

Room/Section : Main Building

Confirmation : Sample Taken

Location : Locker Room

Access : Full Access

Description : Vinyl Floor Tiles and Bitumen

Normal Use :

Material Risk Assessment 204374

	Score	Risk Rating
Asbestos Type : Chrysotile	1	High Risk
Type Of Product : Vinyl Floor Tiles & Bitumen	1	Medium Risk
Condition : Medium Damage	2	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	4	Very Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details

Building/Area : Wallboard Site	Sample No. : AMB20160323006
Room/Section : Main Building	Confirmation : Sample Taken
Location : Electrical Room	Access : Full Access
Description : Lino	Normal Use :

Material Risk Assessment 204377

	Score	Risk Rating
Asbestos Type : Chrysotile	1	High Risk
Type Of Product : Asbestos Paper	2	Medium Risk
Condition : Low Damage	1	Low Risk
Surface Treatment : Composite materials containing asbestos	0	Very Low Risk
Material Assessment Score :	4	Very Low Risk

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

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



Customer
Site
Survey Date
Valid Until
Commissioned by

Irish Water
Wallboard Site
23/3/2016
23/3/2017
Irish Water

Type
Report Number
Surveyor
Review Date
Method

Demolition
17761
Anthony Maunsell
23/3/2017
WI-02 & WI-03



INCOMPLETE ACCESS REGISTER

The following areas could not be accessed and therefore in accordance with HSG264 should be presumed to contain ACM's.

Risk Assessment	204341	Location	RA: 204341 Wallboard Site Building by gate All Rooms							
Notes:	Occupied									
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
--N/A--	--N/A--	--N/A--	--N/A--	--N/A--	--N/A--		Strongly presumed	0	0	Priority 1 : Investigate prior to disturbing

Risk Assessment	204385	Location	RA: 204385 Wallboard Site Under Ground							
Type of Product	Quantity	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample No.	Confirmation	MA	PA	Action
--N/A--	--N/A--	--N/A--	--N/A--	--N/A--	--N/A--		Strongly presumed	0	0	--N/A--

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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details

Building/Area : Wallboard Site	Sample No. :
Room/Section : Building by gate	Confirmation : Strongly presumed
Location : All Rooms	Access : No Access
Description : No Access	Normal Use :

Material Risk Assessment 204341

	Score	Risk Rating
Asbestos Type : --NVA--	0	High Risk
Type Of Product : --NVA--	0	Medium Risk
Condition : --NVA--	0	Low Risk
Surface Treatment : --NVA--	0	Very Low Risk
Material Assessment Score :	0	

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

Priority 1 : Investigate prior to disturbing Occupied

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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details

Building/Area : Wallboard Site	Sample No. :
Room/Section : Under Ground	Confirmation : Strongly presumed
Location :	Access : No Access
Description : No Access	Normal Use :

Material Risk Assessment 204385

	Score	Risk Rating
Asbestos Type : --NVA--	0	High Risk
Type Of Product : --NVA--	0	Medium Risk
Condition : --NVA--	0	Low Risk
Surface Treatment : --NVA--	0	Very Low Risk
Material Assessment Score :	0	

Removal/Encapsulation Estimate

To be completed by the estimating contractor

	Costs	Notes
Labour		
Equipment		
Disposal		
Analytical		
Totals		

Photograph



Recommendations and Notes

--NVA--

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Customer
Site
Survey Date
Valid Until
Commissioned by

Irish Water
Wallboard Site
23/3/2016
23/3/2017
Irish Water

Type
Report Number
Surveyor
Review Date
Method

Demolition
17761
Anthony Maunsell
23/3/2017
WI-02 & WI-03



AREAS INSPECTED

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

Risk Assessment	204372	Location	RA: 204372 Wallboard Site Main Building Toilets
Risk Assessment	204373	Location	RA: 204373 Wallboard Site Main Building Locker Room
Risk Assessment	204370	Location	RA: 204370 Wallboard Site Garage Building All Walls Floor and Ceilings
Risk Assessment	204358	Location	RA: 204358 Wallboard Site Stores Building Internal Boxing's
Risk Assessment	204351	Location	RA: 204351 Wallboard Site Weatherglaze Building Offices
Risk Assessment	204380	Location	RA: 204380 Wallboard Site Main Building Internal
Risk Assessment	204381	Location	RA: 204381 Wallboard Site Main Building Transformer Room
Risk Assessment	204382	Location	RA: 204382 Wallboard Site Main Building Boxing
Risk Assessment	204384	Location	RA: 204384 Wallboard Site Cladding Metal

Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details 204372 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Main Building
Location : Toilets
Description : All Walls Floor and Ceilings
Sample No. :
Confirmation : --N/A--
Access : Full Access
Normal Use :
Recommendations :



; While no asbestos containing materials were identified during this survey it is possible that asbestos containing materials may be hidden and not accessible until demolition/ refurbishment commences. Asbestos containing materials must be removed prior to demolition or where refurbishment works may disturb them.

Location Details 204373 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Main Building
Location : Locker Room
Description : All Walls and Ceilings
Sample No. :
Confirmation : --N/A--
Access : Full Access
Normal Use :
Recommendations :



; While no asbestos containing materials were identified during this survey it is possible that asbestos containing materials may be hidden and not accessible until demolition/ refurbishment commences. Asbestos containing materials must be removed prior to demolition or where refurbishment works may disturb them.

Location Details 204370 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Garage Building
Location : All Walls Floor and Ceilings
Description : Solid and Strawboard
Sample No. :
Confirmation : --N/A--
Access : Full Access
Normal Use :
Recommendations :



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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details 204358 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Stores Building
Location : Internal Boxing's
Description : Board
Sample No. : AMB20160323004
Confirmation : Sample Taken
Access : Full Access



Normal Use :
Recommendations :
; While no asbestos containing materials were identified during this survey it is possible that asbestos containing materials may be hidden and not accessible until demolition/ refurbishment commences. Asbestos containing materials must be removed prior to demolition or where refurbishment works may disturb them.

Location Details 204351 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Weatherglaze Building
Location : Offices
Description : All Walls Floor and Ceilings
Sample No. :
Confirmation : --N/A--
Access : Full Access



Normal Use :
Recommendations :
; While no asbestos containing materials were identified during this survey it is possible that asbestos containing materials may be hidden and not accessible until demolition/ refurbishment commences. Asbestos containing materials must be removed prior to demolition or where refurbishment works may disturb them.

Location Details 204380 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Main Building
Location : Internal
Description : Plasterboard
Sample No. : AMB20160323008
Confirmation : Sample Taken
Access : Full Access



Normal Use :
Recommendations :
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Client and Survey Details

Client : Irish Water	Date of Survey : 23 Mar 2016
Site : Wallboard Site	Review Survey : 23 Mar 2017
Address : Wallboard Site	Surveyor : Anthony Maunsell
Arklow	Method : WI-02 WI-03
Wicklow	Report No. : 17761

Location Details 204381 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Main Building
Location : Transformer Room
Description : All Walls Floor and Ceilings
Sample No. :
Confirmation : --N/A--
Access : Full Access
Normal Use :
Recommendations :



; While no asbestos containing materials were identified during this survey it is possible that asbestos containing materials may be hidden and not accessible until demolition/ refurbishment commences. Asbestos containing materials must be removed prior to demolition or where refurbishment works may disturb them.

Location Details 204382 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Main Building
Location : Boxing
Description : Board
Sample No. : AMB20160323009
Confirmation : Sample Taken
Access : Full Access
Normal Use :
Recommendations :



; While no asbestos containing materials were identified during this survey it is possible that asbestos containing materials may be hidden and not accessible until demolition/ refurbishment commences. Asbestos containing materials must be removed prior to demolition or where refurbishment works may disturb them.

Location Details 204384 No Asbestos Found

Building/Area : Wallboard Site
Room/Section : Cladding
Location : Metal
Description :
Sample No. : AMB20160323010
Confirmation : Sample Taken
Access : Full Access
Normal Use :
Recommendations :



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Sample Analysis

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





Test Certificate

Certificate Number: 11909 Issue No: 1

Client Details

Byrne Looby PHMcCarthy
Ed Bridge
H5 Centrepoint Business Park,
Oak Road,
Dublin 12

Site Details

Byrne Looby PHMcCarthy
Ed Bridge
Arklow main Drainage Sit
Ferrybank
Arklow
Co. Wicklow

Job No: 17661

Date Received: 23-Mar-2016

Date Tested: 24-Mar-2016

Date Reported: 24-Mar-2016

Number of Samples: 10

Specification: WI 05

Samples Taken By: OHSS

Bulk Identification of Asbestos in Materials

Sample Reference	Description	Asbestos Detected	Asbestos Type
AMB20160323.001	Cement from Roadway	Present	Chrysotile
AMB20160323.002	Cement from Portacabin	Present	Amosite
AMB20160323.002	Cement from Portacabin	Present	Chrysotile
AMB20160323.002	Cement from Portacabin	Present	Crocidolite
AMB20160323.003	Cement from Walls	Present	Amosite
AMB20160323.003	Cement from Walls	Present	Chrysotile
AMB20160323.004	Cement from Boxing	Asbestos not detected	
AMB20160323.005	Vinyl Floor Tiles and Bitumen from Locker Room	Present	Chrysotile
AMB20160323.006	Lino from Electrical	Present	Chrysotile
AMB20160323.007	Cement from Internal	Present	Amosite
AMB20160323.007	Cement from Internal	Present	Chrysotile
AMB20160323.008	Plasterboard from Internal	Asbestos not detected	
AMB20160323.009	Cement from Boxing	Asbestos not detected	
AMB20160323.010	Cement from External	Asbestos not detected	

Comments

- 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.
- 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 2007 and all other relevant national legislation.
- 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.
- OHSS is an INAB accredited laboratory for the sampling and identification of Asbestos containing materials
- Comments, observations and opinions are outside the scope of INAB accreditation

Analyst: Deirdre Corry

Signed:

Deirdre Corry
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



Drawings

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