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# **HAZARDOUS MATERIALS ASSESSMENT REPORT**

Client: Cape Cod Australia Pty. Limited

Job details: Owner: Mr. Uyiguosa & Mrs. Susan Ighodaro

Location: 50 Eileen Street, NORTH BALGOWLAH

Plans for Job No: 7745/16 Revision No: D Dated: 31-5-2016

Council area: WARRINGAH

Date of assessment: Thursday 9th June 2016

Our reference: HM04950616

#### The Client acknowledges that:

This report is provided for **the exclusive information of the Client**. It is a term and condition of the terms upon which this report is provided, that if the Client chooses to rely upon the report, that the Company and the Person making this report will not be liable to the Client or to any other Person who suffers personal or property damage or financial loss in respect of any cause of action or tort, contract or however the cause of action is said to arise.

This report is **not a guarantee or warranty** or an all-encompassing report dealing with the above property from every aspect. It is based on the condition of the property and the "**Readily Accessible Areas**" at the time of assessment. It is a reasonable attempt to identify as far as *reasonably practicable*, any significant hazardous materials i.e. materials "that may" contain asbestos [ACM] or [ACD], ceiling dusts "that may" contain lead, paints "that may" contain lead or synthetic mineral fibres [SMF], **visible** at the time of assessment.

This report, based on visual assessment, will not disclose hazardous materials in inaccessible areas, not readily accessible or obstructed at the time of assessment. Areas which are not normally accessible were not assessed and include but are not limited to – inside walls, the interior of a flat roof or beneath a suspended floor filled with earth.

This report is **not a Certificate of Compliance** with the requirements of the WHS Act 2011 and WHS Regulations 2011, relevant Codes of Practice or Australian Standards or NSW Office of Environment and Heritage [OEH] Regulations.



#### Front southern elevation of the residence

## 1. GENERAL DESCRIPTION OF THE EXISTING RESIDENCE

Estimated age:	Circa 1960 Extension built circa 2008 by Cape Cod
Type of construction:	Freestanding single storey timber framed and clad residence on brick piers supporting a suspended timber floor system.
External cladding:	Surface coated weatherboard cladding to all external walls.
Roof:	Engineered timber truss, hipped and valley roofing structure to the accessible roof cavity (existing first floor addition) with concrete roofing tiles.
	The rear section skillion roof (North western elevation above Living Room) is a pan profiled metal roofing system.

Occupancy Status: Was the residence occupied at the time of assessment?

Yes	✓	No		Not Applicable		
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**Orientation:** For the purpose of this report the front of the residence faces:

East	West	North	South	Northeast	Northwest	Southeast	✓	Southwest	

## 2. AREAS ASSESSED

This assessment covers the following "Readily Accessible Areas" of the existing residence layout to identify as far as reasonably practicable any significant hazardous materials i.e. materials "that may" contain asbestos [ACM] or [ACD], ceiling dusts "that may" contain lead, paints "that may" contain lead or synthetic mineral fibre insulation [SMF].

Under Floor Space	✓	Exterior	✓	Roof Surfaces	✓	Roof Cavity	<b>✓</b>	Interior	✓	Carport	✓	
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# 3. ASSESSMENT OF THE EXISTING RESIDENCE LAYOUT FOR HAZARDOUS MATERIALS

Area Assessed	Description and Comment	Assessment / Action
Under Floor Space	Areas of dampness noted.  Some debris was noted in the underfloor space, most notably some paint containers.  Note: no work is to be undertaken in this area as part of the proposed Contract works.	No action is required.
Exterior Ground Flo	oor	
Cladding	Surface coated probable Fibre cement [FC] weatherboards	All necessary steps are to be taken to protect the retained probable Fibre-cement [FC] weatherboards from damage during the course of the works.
Eave soffit lining	Probable asbestos cement [ACM] sheet to the eave soffits.  Note: existing eaves to be retained - not associated with the proposed Contract works.	All necessary steps are to be taken to protect the probable ACM soffit lining from damage during the course of the works.
Roofing material	Front original residence has concrete roofing tiles to the pitched roof.  Note: not associated with the proposed Contract works.	No action is required.
	Rear section over living room is Pre-finished pan profile sheet metal roofing to the pitched roof of the rear deck structure.  Note: Part of the existing skillion roof to be demolished to make way for the first floor extension as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Painting - general	Combination of oil based and acrylic based surface coating to the timber windows, gable ends, eaves and trims.  No exposed lead based paints were observed.	Appropriate dust suppression measures to be provided.  No further action is required
Exterior First Floor		
Cladding	Surface coated probable Fibre cement [FC] weatherboards  Note: existing wall cladding to be removed from the south western elevation of existing first floor to make way for the first floor extension	Remove and dispose of the fibre-cement [FC] in a manner approved by NSW OEH and Warringah Council.  All necessary steps are to be taken to protect the retained probable Fibre-cement [FC] weatherboards from damage during the course of the works.  Appropriate dust suppression
		measures to be provided.  No further action is required.

Area Assessed	Description and Comment	Assessment / Action
Eave soffit lining	Probable fibre-cement [FC] soffit lining  Note: existing soffit lining to be removed from the south western elevation of existing first floor to make way for the first floor extension.	Remove and dispose of the fibre-cement [FC] in a manner approved by NSW OEH and Warringah Council.  All necessary steps are to be taken to protect the retained probable Fibre-cement [FC] weatherboards from damage during the course of the works.  Appropriate dust suppression measures to be provided.  No further action is required.
Roofing material	Concrete roofing tiles to the pitched roof.  Note: The rear south western section of the roof structure to be removed and married to the first floor extension as part of the proposed Contract works	Remove and dispose of the concrete roofing tiles in a manner approved by NSW OEH and Warringah Council.  Appropriate dust suppression measures to be provided.  No further action is required.
Painting - general	Combination of oil based and acrylic based surface coating to the timber windows, gable ends, eaves and trims.  No exposed lead based paints were observed.	Appropriate dust suppression measures to be provided.  No further action is required.
Interior Ground Flo	or	
Entry	Plasterboard wall linings. Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Dining	Plasterboard wall linings. Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Kitchen	Plasterboard wall linings. Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.

Area Assessed	Description and Comment	Assessment / Action
Shower	Possible asbestos cement [ACM] wall lining tiled to 1800mm  Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	All necessary steps are to be taken to protect the possible ACM wall linings from damage during the course of the works.
Laundry	Possible asbestos cement [ACM] wall lining Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	All necessary steps are to be taken to protect the possible ACM wall linings from damage during the course of the works.
Bedroom 5 / Study	Plasterboard wall linings. Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Hall	Plasterboard wall linings. Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Playroom	Plasterboard wall linings. Plasterboard ceiling lining with combination wide profiled plaster cornice and square set.  Note: not associated with the proposed Contract works.	No action is required.
Living	Plasterboard wall linings.  Plasterboard ceiling lining with wide profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Painting - general	Combination of oil based and acrylic based surface coating to the timber windows, gable ends, eaves and trims.  No exposed lead based paints were observed.	Appropriate dust suppression measures to be provided.  No further action is required.
Interior First Floor		1
Bedroom 1	Plasterboard wall linings. Plasterboard ceiling lining with cove profiled plaster cornice.  Note: Stud wall to be created between bedroom 1 and the Hallway as part of the proposed Contract works.	Appropriate dust suppression measures to be provided.  No further action is required.

Area Assessed	Description and Comment	Assessment / Action
Ensuite	Probable Fibre-cement [FC] wall lining tiled floor to ceiling.  Plasterboard ceiling lining with cove profiled plaster cornice.  Note: Existing window to be removed and opening closed as part of the proposed Contract works.	Remove and dispose of the fibre- cement [FC] in a manner approved by NSW OEH and Warringah Council. Appropriate dust suppression measures to be provided. No further action is required.
Storage	Plasterboard wall linings. Plasterboard ceiling lining with cove profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Shower	Probable Fibre-cement [FC] wall lining tiled floor to ceiling.  Plasterboard ceiling lining with cove profiled plaster cornice.  Note: not associated with the proposed Contract works.	All necessary steps are to be taken to protect the retained Fibrecement [FC] lining from damage during the course of the works.
Bedroom 2	Plasterboard wall linings. Plasterboard ceiling lining with cove profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
WIR 2	Plasterboard wall linings. Plasterboard ceiling lining with cove profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Bedroom 3	Plasterboard wall linings. Plasterboard ceiling lining with cove profiled plaster cornice.  Note: not associated with the proposed Contract works.	No action is required.
Pitched Roof Cavity	Engineered timber truss roof structure and ceiling frame.  Note 1: approximately 20% of the roof structure to be removed to accommodate first floor addition as part of the proposed Contract works  Synthetic mineral fibre [SMF] batt insulation overall in the roof space.  Note 2: insulation to be retained as part of the proposed Contract works	In our opinion the air quality will not be generally affected during the course of the construction of the proposed first floor addition.  Appropriate dust suppression measures to be provided.  No further action is required.

Area Assessed	Description and Comment	Assessment / Action
	Note 3: Foil-backed sarking was noted to the underside of the roofing tiles.  Minimal ceiling dust was noted.	
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Skillion Roof Cavity	Inspection of the roof cavity was not carried out due to the method of construction.  Possible foil backed insulation [SMF] to underside of sheet metal roofing.	Remove and dispose of the foil backed insulation / sarking in a manner approved by NSW OEH and Warringah Council.
	<b>Note:</b> roof structure to be partially demolished to accommodate first floor addition as part of the proposed Contract works.	Appropriate dust suppression measures to be provided.  No further action is required.
Electrical Meter Board	Located on the south eastern external wall of the residence. Probable asbestos cement [ACM] in backing board and lining is noted.  Note: meter board and POA to be retained in current position as part of the proposed Contract works	All necessary steps are to be taken to protect the probable ACM from damage during the course of the works.
Carport	Attached timber framed with surface coated probable fibre-cement [FC] weatherboard cladding Possible asbestos cement [ACM] ceiling lining with cover battens Note: Treated pine slats to the external north eastern elevation.  Note: Not associated with the proposed Contract works.	All necessary steps are to be taken to protect the probable fibrecement [FC] weatherboard cladding from damage during the course of the works  All necessary steps are to be taken to protect the possible ACM from damage during the course of the works.
Front porch	Attached timber framed structure with glass roof. Suspended concrete slab floor.  Note: Not associated with the proposed Contract works.	No action is required.
Rear deck	Timber bearer and joist construction  Note: Not associated with the proposed Contract works.	No action is required.
Cubby House	Freestanding timber construction with a pitched gable ended roof structure.  Note: Not associated with the proposed Contract works.	No action is required.
	of materials "that may" contain asbestos ed as part of the proposed Contract works.	0.0m <sup>2</sup>

# 4. AREAS NOT ASSESSED

All areas were able to be assessed with the exception of the skillion roof cavity.

#### **5. UNDETECTED HAZARDOUS MATERIALS**

Due to the level of accessibility including the presence of obstructions the overall degree of risk of **undetected** hazardous materials is considered as far as *reasonably practicable* to be:

Low
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### **CONFIRMATION**

This document confirms that the existing residence layout described in this report has been assessed as far as *reasonably practicable* for the inclusion of hazardous materials i.e. materials "that may" contain asbestos [ACM] or [ACD], paints "that may" contain lead or synthetic mineral fibres [SMF] in the existing structure.

This assessment and report was carried out by: Mark Spindler

Signed for and on behalf of JONSPIN Building Services Pty. Limited

Mark Spindler

Date of Issue:

### **DEMOLITION WORK PLAN**

The partial demolition of the residence and the removal, storage, handling and disposal of building materials must be carried out as far as *reasonably practicable* in accordance with the following Regulations;

- Work Health and Safety Act 2011 and Work Health and Safety Regulations 2011
- Safe Work NSW Code of Practice How to manage and control asbestos in the workplace
- Safe Work Australia Code of Practice How to safely remove asbestos
- NSW Work Health and Safety Regulation 2011 Chapter 4 Hazardous Work
- NSW Work Health and Safety Regulation 2011 Chapter 6 Construction Work
- NSW Work Health and Safety Regulation 2011 Chapter 7 Hazardous Chemicals
- NSW Work Health and Safety Regulation 2011 Chapter 8 Asbestos
- Australian Standard AS2601 [2001] Demolition of Structures
- NSW Protection of the Environment Operations Act [1997] or as amended
- NSW Protection of the Environment Operations [Waste] Regulation [2014]
- NSW Office of Environment and Heritage [OEH] Regulations and Guidelines

A Demolition Work Plan must be submitted to WARRINGAH Council and the Principal Certifying Authority (PCA) if WARRINGAH Council is not the PCA, not less than five [5] working days **before commencing any demolition works** involving products or materials "that may" contain asbestos [ACM].

A copy of the Demolition Work Plan must be maintained on site and be made readily accessible to the Council Officer or 'workers' upon request.

#### ASBESTOS [ACM] REMOVAL CONTROL PLAN

### <u>Safe Work Method Statement</u> - <u>Removal & Disposal of Materials that may contain Asbestos</u>

Any work involving the demolition, storage and disposal of products or materials "that may" contain asbestos [ACM] must be carried out as far as is reasonably practicable to minimise the release of airborne asbestos dust and fibres [ACD] in accordance with the following requirements;

- Relevant Work Health and Safety legislation including but not limited to; Work Health and Safety Regulation 2011 Chapter 8 Asbestos; Safe Work NSW Code of Practice How to manage and control asbestos in the workplace; Safe Work Australia Code of Practice How to safely remove asbestos and NSW Office of Environment and Heritage [OEH] requirements.
- The person with Management Control of the workplace and the licensed Asbestos Removalist must, so far as is reasonably practicable, and before commencing the asbestos [ACM] removal work, consult with and inform the following people about the asbestos [ACM] removal work and when the work will commence, so as to eliminate or minimise the exposure of the risks associated with asbestos:
  - The person who commissioned the asbestos removal work [Site Management]
  - A person conducting a business or undertaking at the workplace [Contractors]
  - The occupants of the domestic premises [Owner or Tenant]
  - Anyone occupying premises in the immediate vicinity of the workplace [Neighbours]

- All work procedures are to be devised as far as is reasonably practicable, to minimise the release of dust and fibres [ACD].
- Appropriate warning signage and barricades are to be erected to prevent as far as is reasonably practicable, entry of anyone not connected with the removal activity into the work area.
- The sign must be clearly displayed in a prominent visible position at the front of the site; containing the words "DANGER ASBESTOS REMOVAL IN PROGRESS" and including the details of the licensed Asbestos Removal Contractor [PCBU].
- When working with products and materials "that may" contain asbestos [ACM] all 'workers' are to wear personal protective equipment [PPE] including coveralls and approved respiratory protective equipment [RPE] in accordance with the requirements of AS/NZS1716 Respiratory Protection devices and AS/NZS1715- Selection, use and maintenance of respiratory protective devices.
- As far as is reasonably practicable, use non powered hand tools for the removal of the materials that may contain asbestos [ACM] as these generate much less dust [ACD]. Do not use abrasive cutters and sanders, scrub or water blast the surface of products and materials "that may" contain asbestos [ACM].
- All products and materials "that may" contain asbestos [ACM] are to be kept damp to minimise
  as far as is reasonably practicable the generation of airborne asbestos dust and fibres [ACD].
  Prevent and or contain excess run off water.
- Where it is reasonably practicable work in well ventilated areas.
- Use drop sheets to collect debris of materials that may contain asbestos [ACM]. Dispose of smaller products and materials "that may" contain asbestos [ACM] pieces and collected dust [ACD] in recommended heavy duty plastic bags which are clearly labelled "asbestos waste".
- Wet clean or use approved vacuum cleaning equipment [HEPA] which complies with AS/NZS 603335.2.69 Industrial vacuum cleaners. Household vacuum cleaners must never be used where asbestos [ACM] or [ACD] is or may be present, even if the unit has a HEPA filter.
- Wall cladding and ceiling lining sheets "that may" contain asbestos [ACM] are not to be reused.
- All products and materials "that may" contain asbestos [ACM] or [ACD] are to be stored, transported and disposed of in accordance with the NSW Protection of the Environment Operations Act [1997 or as amended] and NSW Protection of the Environment Operations [Waste] Regulation [2014]
- All products and materials "that may" contain asbestos [ACM] or [ACD] is to be either wrapped
  in recommended heavy duty plastic sheeting or placed in leak proof lined bins or vehicles and
  appropriately covered and sealed.
- All products and materials "that may" contain asbestos [ACM] or [ACD] are to be stored in a secure area and removed from site as soon as is reasonably practicable in a covered leak proof vehicle.
- A Clearance Certificate of Statement, prepared by a suitably *competent person* i.e. an Occupational Hygienist, Safe Work NSW licensed Asbestos Removalist, licensed Asbestos Assessor or a "*competent person*" must be provided to Council upon completion of the works prior to an Occupation Certificate being issued, which confirms that the material "*that may*" contain asbestos [ACM] or [ACD] has been removed appropriately and the relevant Conditions of Consent have been satisfied.

 All products and materials "that may" contain asbestos [ACM] or [ACD] are to be disposed of as soon as is reasonably practicable, at a licensed asbestos disposal site and in a manner approved by Safe Work NSW, NSW Office of Environment and Heritage [OEH] or WARRINGAH Council.

#### Safe Work Method Statement - Removal and Disposal of Ceiling Dust that may contain Lead

All Contractors [PCBU] and 'workers' involved in the cleaning, repairing or replacement of ceilings are to follow the following procedures in order to minimise as far as is reasonably practicable, health risks from the ceiling dust. These procedures include but are not limited to:

- Appropriate warning signage and barricades are to be erected to prevent as far as is reasonably practicable, entry of anyone not connected with the removal activity into the work area.
- When working with in ceiling voids containing ceiling dust all 'workers' are to wear personal protective equipment [PPE] including coveralls and approved respiratory protective equipment [RPE] in accordance with the requirements of AS/NZS1716 Respiratory Protection devices and AS/NZS1715 Selection, use and maintenance of respiratory protective devices. Eye protection, complying with AS/NZS1336 and AS/NZS1337 whenever full face respirators are not used
- Ceiling voids are to be cleaned of accumulated dust before commencing any work involving partial or complete removal of the ceiling sheets.
- The property Owner [Client] is to be advised to clear or cover personal effects in adjoining living spaces as far as is *reasonably practicable*.
- Any openings between living areas are to be sealed prior to the commencement of any removal work of ceiling dust "that may" contain lead to prevent as far as is reasonably practicable, dust entering the retained living areas.
- Use approved vacuum cleaning equipment [HEPA] which complies with AS/NZS 603335.2.69
   Industrial vacuum cleaners, to prevent the release as far as is reasonably practicable, of dust that may contain lead while it is being removed. Do not use household vacuum cleaners even if the unit has a HEPA filter.
- Dispose of the collected dust in approved plastic bags which are clearly labelled.
- All ceiling dust containing lead or other contaminants is to be disposed of as far as is reasonably practicable in a manner, and at as site, approved by the Safe Work NSW, NSW Office of Environment and Heritage [OEH], appropriate disposal Authority or WARRINGAH Council.
- To minimise as far as is reasonably practicable contamination of living areas of the residence, airless spraying of PVA to seal the cleaned surfaces is recommended whenever the ceiling is removed.

#### Safe Work Method Statement – Removal and Disposal of Synthetic Mineral Fibre Insulation

All Contractors [PCBU's] and 'workers' involved in the removal of suspected synthetic mineral fibre [SMF] insulation are to follow the following procedures in order to minimise as far as is reasonably practicable health risks from synthetic mineral fibre [SMF] insulation. These procedures include but are not limited to:

 Appropriate warning signage and barricades are to be erected to prevent as far as is reasonably practicable, entry of anyone not connected with the removal activity into the work area.

- When removing synthetic mineral fibre [SMF] insulation all 'workers' are to wear personal protective equipment [PPE] including coveralls and an approved respiratory protective equipment [RPE] in accordance with the requirements of AS/NZS1716 Respiratory Protection devices and AS/NZS1715 Selection, use and maintenance of respiratory protective devices. Eye protection, complying with AS/NZS1336 and AS/NZS1337 whenever full face respirators are not used.
- The property Owner [Client] is to be advised to clear or cover personal effects in adjoining living spaces as far as is reasonably practicable.
- Any openings between living areas are to be sealed prior to the commencement of any removal work of synthetic mineral fibre [SMF] insulation to prevent as far as is reasonably practicable, dust and fibres entering the retained living areas.
- Use approved vacuum cleaning equipment that complies with AS/NZS 603335.2.69 Industrial vacuum cleaners, to prevent as far as is reasonably practicable, the release of dust "that may" contain synthetic mineral fibres [SMF] while it is being removed. Do not use household vacuum cleaners even if the unit has a HEPA filter.
- Dispose of the synthetic mineral fibre [SMF] insulation in sealed approved plastic bags which are clearly labelled.
- All synthetic mineral fibre [SMF] insulation or other contaminants is to be disposed of as far as is reasonably practicable, in a manner, and at a site, approved by Safe Work NSW, NSW Office of Environment and Heritage [OEH], appropriate licensed disposal Authority or WARRINGAH Council.

### Safe Work Method Statement - Lead based Paints

All Contractors [PCBU's] and 'workers' involved in the cleaning, repairing or replacement of suspected lead based paint are to follow the following procedures in order to minimise as far as is reasonably practicable, health risks from lead based paints. These procedures include but are not limited to:

- Appropriate warning signage and barricades are to be erected to prevent as far as is reasonably practicable, entry of anyone not connected with the removal activity into the work area.
- When working with lead based paints all 'workers' are to wear personal protective equipment [PPE] including coveralls and an approved respiratory protective equipment [RPE] in accordance with the requirements of AS/NZS1716 Respiratory Protection devices and AS/NZS1715 Selection, use and maintenance of respiratory protective devices. Eye protection, complying with AS/NZS1336 and AS/NZS1337 whenever full face respirators are not used.
- The property Owner [Client] is to be advised to clear or cover personal effects in adjoining living spaces as much as is practical.
- Any openings between living areas are to be sealed prior to the commencement of any removal work of lead based paints to prevent as far as is *reasonably practicable*, dust entering the retained living areas.
- Use approved vacuum cleaning equipment [HEPA] which complies with AS/NZS 603335.2.69
   Industrial vacuum cleaners, to prevent as far as is reasonably practicable, the release of dust that may contain lead while it is being removed. Do not use household vacuum cleaners even if the unit has a HEPA filter.

- Dispose of collected lead based paint dust in sealed approved plastic bags which are clearly labelled.
- All dust containing lead or other contaminants is to be disposed of as far as reasonably practicable in a manner, and at a site, approved by Safe Work NSW, NSW Office of Environment and Heritage [OEH], appropriate disposal Authority or WARRINGAH Council.