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## **HAZARDOUS MATERIALS ASSESSMENT REPORT**

**Client:** Cape Cod Australia Pty. Limited

**Job details:** Owner/s: Mr N Khnania  
Location: 18 Mary Street, Merrylands 2160

**Plans for Job No:** 7688/15 **Revision No:** C **Dated:** 21/09/15

**Council area:** HOLROYD

**Date of assessment:** 11 November 2015

**Our reference:** HM04331015

**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 elevation of the residence

## 1. GENERAL DESCRIPTION OF THE EXISTING RESIDENCE

Estimated age:	Circa 1950
Type of construction:	Single storey timber framed construction
External cladding:	Aluminium weatherboards
Roof:	Hip & valley

**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	
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## 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	✓	Interior	✓	Garage	
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## **ASSESSMENT OF THE EXISTING RESIDENCE LAYOUT FOR HAZARDOUS MATERIALS**

<b>Area Assessed</b>	<b>Description and Comment</b>	<b>Assessment / Action</b>
<b>Under Floor Space</b>	Timber bearers & joists on brick piers <b>Note 1:</b> We noted possible sewer choke / leak in and around the kitchen VC pipe work	No work planned to under floor space No action required
<b>Exterior</b>		
Cladding	Aluminium cladding over possible AC flat sheeting <b>Note 1:</b> Part possible AC cladding to be removed for new windows to front <b>Note 2:</b> New polystyrene cladding to be fixed over existing AC cladding	<b>3.0m<sup>2</sup></b> Remove and dispose of the possible asbestos cement flat sheet [ACM] in a manner approved by NSW OEH and Local Council <b>Note:</b> See attached Safe Work Method Statement for the removal of material <i>that may</i> contain asbestos [ACM]. Protect all to be retained areas from damage during course of works No further action required
Eave lining	Possible asbestos cement soffit sheet to be removed as part of works	<b>9.25m<sup>2</sup></b> Remove and dispose of the possible asbestos cement flat sheet [ACM] in a manner approved by NSW OEH and Local Council <b>Note:</b> See attached Safe Work Method Statement for the removal of material <i>that may</i> contain asbestos [ACM]. Appropriate dust suppression measures to be provided No further action required

Area Assessed	Description and Comment	Assessment / Action
Roofing covering	Terracotta tiles and sheet metal <b>Note 1:</b> All roof tiles and part metal sheets to be removed as part of the proposed contracted works	Appropriate dust suppression measures to be provided No further action required
Painting - general	Combination of plastic and acrylic paints to cladding, eave soffits and trims No lead based paints were observed	Appropriate dust suppression measures to be provided No further action required
<b>Interior</b>		
Entry	Fibrous plaster over timber wall frames Fibrous plaster ceiling with ornate fibrous plaster cornice	No work planned for this area No further action required
Bathroom	Ceramic tiles on walls to ceiling line Fibrous plaster ceiling with vented fibrous plaster ornate cornice	No work planned for this area No further action required
Bedroom 1	Fibrous plaster over timber wall frames Fibrous plaster ceiling with ornate fibrous plaster cornice <b>Note 1:</b> See Note 1: in 'Cladding' above.	Appropriate dust suppression measures to be provided No further action required
Bedroom 2	Fibrous plaster over timber wall frames Fibrous plaster ceiling with ornate fibrous plaster cornice	Appropriate dust suppression measures to be provided No further action required
Bedroom 3	Fibrous plaster over timber wall frames Fibrous plaster ceiling with ornate fibrous plaster cornice <b>Note 1:</b> Existing door opening to be closed and wall removed to dining and living area	Appropriate dust suppression measures to be provided No further action required
Dining	Fibrous plaster over timber wall frames Fibrous plaster ceiling with ornate fibrous plaster cornice <b>Note 1:</b> Existing opening to kitchen to be widened and wall removed to bed 3	Appropriate dust suppression measures to be provided No further action

Area Assessed	Description and Comment	Assessment / Action
		required
Kitchen	<p>Ceramic tiles on walls to 1.8m over timber wall frames</p> <p>Fibrous plaster ceiling with vented ornate fibrous plaster cornice</p> <p><b>Note 1:</b> Existing opening to dining to be removed</p>	<p>Appropriate dust suppression measures to be provided</p> <p>No further action required</p>
Living room	<p>Fibrous plaster over timber wall frames</p> <p>Possible asbestos cement soffit sheet to raked ceiling</p> <p><b>Note 1:</b> Ceiling sheets to be retained</p>	<p>Appropriate dust suppression measures to be provided</p> <p>Protect all to be retained areas from damage during course of works</p> <p>No further action required</p>
Laundry	<p>Ceramic tiles on walls to ceiling line, over timber wall frames</p> <p>Possible asbestos cement soffit sheet to raked ceiling</p> <p><b>Note 1:</b> Ceiling sheets to be retained</p>	<p>Appropriate dust suppression measures to be provided</p> <p>Protect all to be retained areas from damage during course of works</p> <p>No further action required</p>
<b>General</b>		
Painting - general	<p>Acrylic &amp; plastic paint to ceilings, walls. Enamel paint to doors and trims.</p> <p>No lead based paints were observed</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required</p>
<b>Pitched Roof Cavity</b>	<p>Synthetic mineral fibre batt and recycled polystyrene insulation to be retained</p> <p>Pitched timber roof structure</p>	<p>In our opinion the air quality will not be affected during the course of the construction of the new upper floor frame</p>
	<b>Note 1:</b> Minimal ceiling dust was noted	<p>Appropriate dust suppression measures to be provided</p> <p>No further action is required</p>

Area Assessed	Description and Comment	Assessment / Action
Electrical Meter Board	To be retained in present location.	No work proposed to this area No further action is required
Approximate area of materials " <i>that may</i> " contain asbestos [ACM] to be removed as part of the proposed Contract works.		12.25m <sup>2</sup>

#### 4. AREAS ASSESSED

All areas assessed where access was readily available and deemed warranted, taking into account the work proposed on site.

#### 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	✓	Moderate		Moderate to High		High	
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#### CERTIFICATION

This document certifies 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, ceiling dusts "*that may*" contain lead or synthetic mineral fibres [SMF] in the existing structure.

**This assessment and report was carried out by:** Garry Pearce

**Builders Licence No.** 147214C

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



Garry Pearce

Date of Issue: 13 November 2015

## **A1. Use of Asbestos**

Only fibro products made before 1987 contain asbestos in NSW, for example the use of asbestos was discontinued in fibro sheets by 1982, in corrugated sheets by 1984 and in other products by 1986. The manufacture and use of asbestos product was banned nationally from 31<sup>st</sup> December 2003.

## **A2. What Are The Risks?**

*“Breathing in asbestos fibre can cause asbestosis, lung cancer and mesothelioma. This does not automatically mean that your health is at risk if you find your home is made from or contains asbestos cement [fibro] products. Studies have shown that these products, if in sound condition and left undisturbed are not a significant health risk. If the asbestos cement fibres remain firmly bound to a solid cement sheet or structure, generally you do not need to remove the asbestos cement [fibro] or even coat it.*

*Health problems usually occur when people are unaware of the hazards of working with asbestos cement [fibro]. The important point is to use commonsense and follow safety guidelines working with asbestos cement [fibro] products should not be a problem”. [Extract from - Fibro & Asbestos – A Renovator and Homeowners Guide – WorkCover NSW 2004]*

## **Safe Work Method Statement – Non friable In-situ Asbestos Cement Sheetting**

All work procedures are to be devised as far as *reasonably practicable* to minimise the release of dust and fibres [ACD]. A checklist of safety precautions when working with asbestos cement products [ACM] should include but is not limited to the following:

- Appropriate warning signage and barricades are to be erected to prevent 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 Removalist 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 protection 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 *reasonably practicable* use non powered hand tools as these generate much less dust [ACD]. **Do not use** abrasive cutters and sanders on all products and materials *“that may”* contain asbestos [ACM].
- Wet down or seal the material containing asbestos [ACM] to reduce the release of dust [ACD].
- As far as *reasonably practicable* work in well ventilated areas.
- Use drop sheets to collect debris containing asbestos [ACM].
- 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 is or may be present, even if the unit has a HEPA filter.
- Dispose of smaller products and materials *“that may”* contain asbestos pieces and collected dust in plastic bags which are clearly labelled **“asbestos waste”**.

- Asbestos cement products [ACM] must not be reused.
- **Do not** abrade, scrub or water blast the surface of products and materials “*that may*” contain asbestos.

### **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
- WorkCover 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 (Hazardous Substances) Regulation 2001
- NSW Work Health and Safety (Asbestos Removal Work) Regulation 2001
- Australian Standard AS2601 [2001] - Demolition of Structures
- NSW Protection of the Environment Operations Act [1997]
- NSW Protection of the Environment Operations [Waste] Regulation [2005]
- NSW Office of Environment and Heritage [OEH] Regulations and Guidelines

A Demolition Work Plan must be submitted to the Local Council and / or the Principal Certifying Authority (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**

#### **Safe Work Method Statement - Removal & Disposal of Materials *that may* contain Asbestos**

Any work involving the demolition, storage and disposal of products or materials “*that may*” contain asbestos [ACM] must be carried out as far as *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 WorkCover 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 *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 *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 *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 *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] and NSW Protection of the Environment Operations [Waste] Regulation [2005]
  - 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 *reasonably practicable* in a covered leak proof vehicle.

- A Clearance Certificate of Statement, prepared by a suitably *competent person* i.e. an Occupational Hygienist, WorkCover 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 *reasonably practicable*, at a licensed asbestos disposal site and in a manner approved by WorkCover NSW, NSW Office of Environment and Heritage [OEH] and Local 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 *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 *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 *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 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 *reasonably practicable* in a manner, and at a site, approved by the WorkCover NSW, NSW Office of Environment and Heritage [OEH], appropriate disposal Authority or Local 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.