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## **HAZARDOUS MATERIALS ASSESSMENT REPORT**

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

**Job details:** Owner/s: Mr. C. & Mrs. D. Chung  
Location: 111 Elizabeth Street, Ashfield

Plans for Job No: 7559/14 Revision No: E Dated: 21-10-14

**Council area:** ASHFIELD

**Date of assessment:** 29<sup>th</sup> October 2014

**Our reference:** HM03431014

**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 1920- 1930
Type of construction:	Freestanding single storey, full brick / brick cavity construction with a suspended timber floor system
External cladding:	Clay brickwork
Roof:	Traditional cut and pitched hipped and valley structure with front gables.

**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	✓	Carport	N/A
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### 3. ASSESSMENT OF THE EXISTING RESIDENCE LAYOUT FOR HAZARDOUS MATERIALS

Area Assessed	Description and Comment	Assessment / Action
<b>Under Floor Space</b>	Limited restricted access. Minimum clearance and areas of dampness [groundwater seepage] noted. No evidence of hazardous materials was observed. <b>Note:</b> plumbing and drainage work to be undertaken as part of the proposed Contract works.	No action is required.
<b>Exterior</b>		
Cladding	Clay masonry brickwork	Appropriate dust suppression measures to be provided. No further action is required.
	Timber shingles to the front gable <b>Note:</b> roof structure to be replaced as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
	Probable asbestos [ACM] sheet below timber shingles to the front gable <b>Note:</b> roof structure to be replaced as part of the proposed Contract works.	<b>4.0m<sup>2</sup></b> Remove and dispose of the cladding in a manner approved by NSW OEH and Ashfield Council. 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 is required.
	Probable asbestos [ACM] sheet cladding with timber battens to second gable	<b>2.0m<sup>2</sup></b> Remove and dispose of the cladding in a manner approved by NSW OEH and Ashfield Council. 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 is required.
	Probable asbestos [ACM] sheet with timber battens below bay window to Lounge room. <b>Note:</b> not associated with the proposed Contract works	All necessary steps are to be taken to protect the cladding from damage during the course of the works.
	Possible asbestos [ACM] sheet cladding to western wall of external Laundry. <b>Note:</b> Laundry to be completely demolished as part of the proposed Contract works.	<b>4.0m<sup>2</sup></b> Remove and dispose of the cladding in a manner approved by NSW OEH and Ashfield Council.

Area Assessed	Description and Comment	Assessment / Action
		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 is required.
	Timber lining boards to northern wall of external Laundry. <b>Note:</b> Laundry to be completely demolished as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Eave soffit lining	Nil eaves Timber lining boards to front gable soffits Note: existing guttering to be replaced and new fascia boards installed as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Roofing	Terra cotta tiles to street scape roof surfaces <b>Note:</b> roof structure to be replaced as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
	Corrugated profile sheet metal roofing to rear elevation roof surfaces. <b>Note:</b> roof structure to be replaced as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
	Pan profile sheet metal roofing to front verandah and Entry verandah roofs. <b>Note:</b> Verandah to be completely demolished and rebuilt as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Front verandah	Probable decorative fibrous plaster with wide decorative profile plaster cornice to the soffit	Appropriate dust suppression measures to be provided. No further action is required.
	Probable asbestos [ACM] sheet cladding to the verandah beam bulkhead.	<b>3.0m<sup>2</sup></b> Remove and dispose of the patio soffit lining in a manner approved by NSW OEH and Ashfield Council.
	<b>Note:</b> existing front verandah to be completely demolished and new Enclosed Verandah constructed as part of the proposed Contract works	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 is required.
Front Entry verandah	Timber lining boards to the soffit <b>Note:</b> Verandah to be completely demolished 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
Rear patio	Possible asbestos cement [ACM] sheet to the patio soffit. <b>Note:</b> patio and roof to be completely demolished as part of the proposed Contract works.	<b>6.0m<sup>2</sup></b> Remove and dispose of the patio soffit lining in a manner approved by NSW OEH and Ashfield Council. 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 is required.
Painting - general	Combination of oil based and acrylic based surface coating to timber windows, eaves, fascia / barges and trims. No exposed lead based paints were observed.	Appropriate dust suppression measures to be provided. No further action is required.
<b>Interior</b>		
Entry / Hallway	Painted cement render to the walls. Decorative fibrous plaster ceiling with ornate profile plaster cornice. <b>Note:</b> new skylight to be installed as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Bedroom 1	Painted cement render to the walls. Decorative fibrous plaster ceiling with ornate profile plaster cornice. <b>Note:</b> not associated with the proposed Contract works.	No action is required.
Bathroom <b>Note:</b> Shown as Shower on Construction Drawing 3 of 8 for Job No. 7559/14	Painted cement render to the walls above wall tiles to 1.5m. Fibrous plaster ceiling with cove profile plaster cornice. <b>Note:</b> to be completely stripped out and renovated as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Bedroom 2	Painted cement render to the walls. Decorative fibrous plaster ceiling with ornate profile plaster cornice. <b>Note:</b> not associated with the proposed Contract works.	No action is required.
Lounge room <b>Note:</b> Shown as Bedroom 3 on Construction Drawing 3 of 8 for Job No. 7559/14	Painted cement render to the walls. Decorative fibrous plaster ceiling with wide ornate profile plaster cornice. <b>Note:</b> new timber framed wall to be erected to form Bedroom 3 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
Dining room	<p>Painted cement render to the walls. Decorative fibrous plaster ceiling with ornate profile plaster cornice.</p> <p><b>Note:</b> existing brick fireplace and chimney to be demolished; existing opening in <i>common</i> internal brick wall with Kitchen to be enlarged; and surfaces made good as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided. No further action is required.</p>
<p>Study</p> <p><b>Note 1:</b> roof space access</p> <p><b>Note 2:</b> Shown as Bathroom / Laundry on Construction Drawing 3 of 8 for Job No. 7559/14</p>	<p>Painted cement render to the walls. Decorative fibrous plaster ceiling with ornate profile plaster cornice.</p> <p><b>Note:</b> to be stripped out and new Bathroom / Laundry created as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided. No further action is required.</p>
<p>Kitchen / Pantry</p> <p><b>Note:</b> raked ceiling</p>	<p>Painted cement render to the walls. Fibrous plaster ceiling with cove profile plaster cornice.</p> <p><b>Note:</b> rear external brick wall to be demolished; internal <i>common</i> brick wall with Pantry and external WC to be demolished; ceiling to be levelled; existing Kitchen to be stripped out and replaced; services to be adjusted; skylight to be installed in ceiling as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided. No further action is required.</p>
<p>External Laundry</p> <p><b>Note:</b> raked ceiling</p>	<p>Possible asbestos cement [ACM] sheet to timber framed walls. Possible asbestos cement [ACM] sheet to ceiling lining.</p> <p><b>Note:</b> to be completely demolished as part of the proposed Contract works.</p>	<p><b>5.0m<sup>2</sup></b></p> <p>Remove and dispose of the patio soffit lining in a manner approved by NSW OEH and Ashfield Council.</p> <p>See attached Safe Work Method Statement for the removal of material <i>that may</i> contain asbestos [ACM].</p> <p>Appropriate dust suppression measures to be provided. No further action is required.</p>

Area Assessed	Description and Comment	Assessment / Action
External WC	<p>Painted brickwork to the walls.</p> <p>Possible asbestos cement [ACM] sheet to ceiling lining.</p> <p><b>Note:</b> to be completely demolished as part of the proposed Contract works.</p>	<p><b>1.5m<sup>2</sup></b></p> <p>Remove and dispose of the patio soffit lining in a manner approved by NSW OEH and Ashfield Council.</p> <p>See attached Safe Work Method Statement for the removal of material <i>that may</i> contain asbestos [ACM].</p> <p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
Painting - general	<p>Combination of oil based and acrylic based surface coating to ceilings, walls, doors, windows and trims.</p> <p>No exposed lead based paints were observed.</p>	No action is required.
<b>Pitched Roof Cavity</b>	<p>Traditional cut and pitched timber roof structure and ceiling frame.</p> <p><b>Note 1:</b> approximately 90% of roof structure to be removed and re-pitched as part of the proposed Contract works.</p> <p>Minimal ceiling dust was noted.</p> <p><b>Note 2:</b> existing brick chimney to Dining room to be demolished as part of the proposed Contract works.</p>	<p>In our opinion the air quality will not be generally affected during the course of the construction of the new upper floor frame.</p> <p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
	<p>Disused gravity feed hot water unit located with ceiling space.</p> <p><b>Note 3:</b> possible asbestos [ACM] used to insulate the tank.</p>	<p>Remove and dispose of the unit in a manner approved by NSW OEH and Ashfield Council.</p> <p>See attached Safe Work Method Statement for the removal of material <i>that may</i> contain asbestos [ACM].</p> <p>No further action is required.</p>
<b>Skillion Roof Cavity</b>	<p>Inspection of the roof cavity was not carried out due to the method of construction.</p> <p><b>Note 1:</b> roof structure to be removed and re-pitched as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
<b>Electrical Meter Board</b>	<p>Meter board is located on the wall to the front verandah.</p> <p><b>Note:</b> to be relocated as part of the proposed Contract works.</p>	No action is required.
<b>Approximate area of materials “<i>that may</i>” contain asbestos [ACM] to be removed as part of the proposed Contract works.</b>		<b>25.5m<sup>2</sup></b>

## **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 ASHFIELD Council and the Principal Certifying Authority (PCA) if ASHFIELD 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**

### **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 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 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 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] 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 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, 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 is *reasonably practicable*, at a licensed asbestos disposal site and in a manner approved by WorkCover NSW, NSW Office of Environment and Heritage [OEH] or ASHFIELD 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 WorkCover NSW, NSW Office of Environment and Heritage [OEH], appropriate disposal Authority or ASHFIELD Council.

#### **4. AREAS NOT ASSESSED**

Assessment of the skillion roof void was not carried out due to the method of construction.

#### **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:** John Spindler

**Builders Licence No.** 84050C

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

A handwritten signature in black ink, appearing to read 'John Spindler', is written over a light blue rectangular background.

**John Spindler**

**Date of Issue:** 29<sup>th</sup> October 2014