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## **HAZARDOUS MATERIALS ASSESSMENT REPORT**

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

**Job details:** Owner/s: Mr. M. Eadie & Mrs. K. Smit-Eadie  
Location: 45 Baker Street, Oatley NSW

Plans for Job No: 7666/15      Revision No: G      Dated: 28-08-15

**Council area:** HURSTVILLE CITY

**Date of assessment:** 2<sup>nd</sup> September 2015

**Our reference:** HM04180815

**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 north western elevation of the residence

## 1. GENERAL DESCRIPTION OF THE EXISTING RESIDENCE

<b>Estimated age:</b>	Original residence is circa 1950 -1955. Rear addition and internal renovations are circa 2005.
<b>Type of construction:</b>	Freestanding single storey full brick / brick cavity construction on strip concrete footings and with brick internal piers supporting a suspended timber floor system
<b>External cladding:</b>	Clay masonry brickwork
<b>Roof:</b>	Original roof is a traditional cut and pitched timber structure with gable ends and terra cotta roofing tiles. The rear addition has a skillion roof with pan profile sheet metal roofing.

**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
Under Floor Space	Mainly dry sandy loam <b>Note:</b> no work is proposed in this area under these Contract works.	No action is required.
<b>Exterior</b>		
Cladding	Clay masonry brickwork <b>Note:</b> existing window in front wall of Bedroom 1 to be removed and the opening to be bricked up; and all surfaces to be made good as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
	Possible asbestos cement [ACM] cladding to the gable ends. <b>Note 1:</b> existing front [north western] gable cladding to be removed to accommodate new Garage roof structure as part of the proposed Contract works. <b>Note 2:</b> existing north eastern, south eastern and south western elevation gables to be retained but are subject to the Complying Development as lodged with Private Certifier for the proposed first floor additions	<b>5.0m<sup>2</sup></b> Remove and dispose of the probable ACM gable cladding in a manner approved by WorkCover NSW, NSW OEH and Hurstville City Council. See attached Safe Work Method Statement for the removal of material <i>that may contain asbestos [ACM]</i> . All necessary steps are to be taken to protect the retained gables from damage during the course of these works. Appropriate dust suppression measures to be provided. No further action is required.
Eave soffit lining	Possible asbestos cement [ACM] to the eave soffits. <b>Note 1:</b> existing eaves to be retained but are subject to the Complying Development as lodged with Private Certifier for the proposed first floor additions.	All necessary steps are to be taken to protect the retained gables from damage during the course of these works. No further action is required.
	Possible asbestos cement [ACM] sheet to eave of rear addition. <b>Note 2:</b> existing roof structure over the Living room to be removed and the roof re-pitched as part of the proposed Contract works.	<b>5.0m<sup>2</sup></b> Remove and dispose of the possible ACM eave soffit in a manner approved by WorkCover NSW, NSW OEH and Hurstville City Council. See attached Safe Work Method Statement for the removal of material <i>that may contain asbestos [ACM]</i> .

Area Assessed	Description and Comment	Assessment / Action
Roofing material	<p>Terra cotta roofing tiles to the main pitched roof.</p> <p><b>Note 1:</b> approximately 70% of the roof structure to be removed to accommodate first floor addition under Complying Development as lodged with Private Certifier</p> <p><b>Note 2:</b> existing roof structure over the Living room to be removed and the roof 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>
	<p>Pan profile sheet metal roofing to the skillion roof of the rear addition.</p> <p><b>Note:</b> existing skillion roof structure over the Living room to be removed and the roof 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>
Front Verandah	<p>Possible asbestos cement [ACM] to the porch soffit.</p> <p><b>Note:</b> enclosure of the Verandah is subject to the Complying Development as lodged with Private Certifier for the proposed first floor additions.</p>	<p>All necessary steps are to be taken to protect the Verandah soffit from damage during the course of these works.</p> <p>No further action is required.</p>
Rear deck	<p>Suspended concrete slab with a tiled deck.</p> <p>Glass panel balustrade.</p> <p>Hardwood timber ramp structure including decking and handrail.</p> <p><b>Note:</b> not associated with the proposed Contract works.</p>	No action is required.
Painting - general	<p>Combination of oil based and acrylic based surface coating to the walls, timber windows, fascia, barges, gables, eaves and trims.</p> <p>No exposed lead based paints were observed.</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
<b>Interior Sub Floor</b>		
External Staircase	<p>Painted cement render to the walls.</p> <p>Painted concrete slab to the soffit.</p> <p><b>Note:</b> not associated with the proposed Contract works.</p>	No action is required.
Laundry	<p>Painted cement render to the walls.</p> <p>Possible asbestos cement [ACM] ceiling lining with timber cover battens.</p> <p><b>Note:</b> not associated with the proposed Contract works.</p>	<p>All necessary steps are to be taken to protect the ceiling lining from damage during the course of these works.</p> <p>No further action is required.</p>

Area Assessed	Description and Comment	Assessment / Action
WC	Painted cement render to the walls. Possible asbestos cement [ACM] ceiling lining with timber cover battens. <b>Note:</b> not associated with the proposed Contract works.	All necessary steps are to be taken to protect the ceiling lining from damage during the course of these works. No further action is required.
Painting - general	Combination of oil based and acrylic based surface coating to ceilings, walls, doors and trims. No exposed lead based paints were observed.	Appropriate dust suppression measures to be provided. No further action is required.
<b>Interior Ground Floor</b>		
Entry	Painted cement render to the walls. Plasterboard ceiling lining with profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Hallway 1	Combination of painted cement render and plasterboard to the curved section of framed wall. Plasterboard ceiling lining with profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Hallway 2	Painted cement render to the walls. Plasterboard ceiling lining with profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Bedroom 1 <b>Note:</b> Shown as Bedroom 5 on Construction Drawing 5 of 9 for Job No. 7666/15	Painted cement render to the walls. Plasterboard ceiling lining with profiled plaster cornice. <b>Note:</b> existing window in front wall to be removed and the opening to be bricked up; and all surfaces to be made good as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Bathroom <b>Note:</b> roof space access	Wall tiles from floor to ceiling level. Plasterboard ceiling lining with ventilated cornice line. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Bedroom 2	Painted cement render to the walls. Plasterboard ceiling lining with profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.

Area Assessed	Description and Comment	Assessment / Action
Kitchen	Painted cement render to the walls. Plasterboard ceiling lining with profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Dining room	Painted cement render to the walls. Plasterboard ceiling lining with profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Living room	Painted cement render to the walls. Plasterboard ceiling lining with cove profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Ensuite	Wall tiles from floor to ceiling level. Plasterboard ceiling lining with cove profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Bedroom 3 [Main]	Painted cement render to the walls. Plasterboard ceiling lining with cove profiled plaster cornice. <b>Note:</b> not associated with the proposed works under this Contract.	No action is required.
Painting - general	Combination of oil based and acrylic based surface coating to ceilings, walls, doors, timber windows and trims. No exposed lead based paints were observed.	Appropriate dust suppression measures to be provided. No further action is required.
<b>Pitched Roof Cavity</b>	Traditional cut and pitched timber roof structure and ceiling frame. <b>Note 1:</b> approximately 70% of the roof structure to be removed to accommodate first floor addition under a Complying Development as lodged with Private Certifier Synthetic mineral fibre [SMF] batt insulation overall the roof space. <b>Note 2:</b> insulation to be retained as part of the proposed Contract works under the Complying Development. No sarking noted to the underside of the roofing tiles Minimal ceiling dust was noted.	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
<b>Skillion Roof Cavity</b>	Inspection of the roof cavity was not carried out due to the method of construction. <b>Note:</b> existing structure over the Living room to be removed and roof re-pitched as part of these proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
<b>Electrical Meter Board</b>	Located on the southern western wall of front Bedroom 1. In our opinion the existing meter board complies with current industry and Supply Authority requirements. <b>Note:</b> meter board and POA to be retained in current position as part of these proposed Contract works.	No action is required.
<b>Approximate area of materials “that may” contain asbestos [ACM] to be removed as part of the proposed Contract works.</b>		<b>10.0m<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 HURSTVILLE CITY Council and the Principal Certifying Authority (PCA) if HURSTVILLE CITY 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 HURSTVILLE CITY 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 HURSTVILLE CITY Council.

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

With the exception of the skillion roof cavity over the rear addition all other areas associated with the proposed building works were able to be assessed.

#### 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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#### **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, 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



**John Spindler**

**Date of Issue:** 3<sup>rd</sup> September 2015