



**JONSPIN**

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## **HAZARDOUS MATERIALS ASSESSMENT REPORT**

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

**Job details:** Owner/s: Mr. C. Gunner & Ms. R. Williams  
Location: 5 Coniston Place, Castle Hill NSW

**Plans for Job No:** 7697/15

**Revision No:** F

**Dated:** 16-03-16

**Council area:** THE HILLS SHIRE

**Date of assessment:** 31<sup>st</sup> March 2016

**Our reference:** HM04760316

**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 [OEHS] Regulations.



Front north eastern elevation of the residence

## 1. GENERAL DESCRIPTION OF THE EXISTING RESIDENCE

<b>Estimated age:</b>	Original residence is circa 1965-1970. Rear Rumpus room addition is circa 2000. Rear patio addition is circa 2012
<b>Type of construction:</b>	Freestanding single storey brick veneer construction on strip concrete footings with internal brick 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 gable ended roof structure and the rear addition is a traditional cut and pitched hipped and valley structure with concrete roofing tiles

**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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### 3. ASSESSMENT OF THE EXISTING RESIDENCE LAYOUT FOR HAZARDOUS MATERIALS

Area Assessed	Description and Comment	Assessment / Action
<b>Under Floor Space</b>	Areas of ground water seepage [dampness] noted. No evidence of hazardous materials noted. <b>Note:</b> no work is to be undertaken in this area as part of the proposed Contract works.	No action is required.
<b>Exterior</b>		
Cladding	Face clay masonry brickwork <b>Note 1:</b> existing timber windows to front elevation to be removed and replaced to suit the existing opening. <b>Note 2:</b> existing brickwork to be provided with a cement rendered finish as part of the proposed Contract works	Appropriate dust suppression measures to be provided. No further action is required.
	Probable asbestos cement [ACM] sheet with timber cover battens to the gable end cladding. <b>Note 3:</b> gables to be retained - not associated with the proposed Contract works.	All necessary steps are to be taken to protect the retained gables from damage during the course of the works.
Eave soffit lining	Probable asbestos cement [ACM] to the original roof structure. <b>Note 1:</b> existing eaves to be retained - not associated with the proposed Contract works.	All necessary steps are to be taken to protect the retained eaves from damage during the course of the works.
	Probable fibre-cement [FC] to the rear addition roof structure and to the rear patio roof. <b>Note 2:</b> not associated with the proposed Contract works.	
Roofing material	Concrete roofing tiles to the pitched roof surfaces. <b>Note:</b> approximately 80% of the pitched roof structure to be removed to accommodate first floor addition as part of the proposed Contract works	Appropriate dust suppression measures to be provided. No further action is required.
Front verandah	Probable asbestos cement [ACM] to the verandah soffit. Suspended concrete slab deck. <b>Note:</b> not associated with the proposed Contract works.	All necessary steps are to be taken to protect the retained soffits from damage during the course of the works.
Deck off Rumpus room	Treated pine structure and decking. <b>Note:</b> not associated with the proposed Contract works.	No action is required.
Rear Patio	Attached timber framed structure with a flat roof and corrugated profile sheet metal roofing. Possible plasterboard soffit lining. Probable fibre-cement [FC] to the eave soffit.	All necessary steps are to be taken to protect the retained eaves from damage during the course of the works.

Area Assessed	Description and Comment	Assessment / Action
	<b>Note:</b> not associated with the proposed Contract works.	
Painting - general	Combination of oil based and acrylic based surface coating to the timber windows, timber fascia, eaves 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 / Family / Dining	Plasterboard wall linings. Plasterboard ceiling lining with wide profiled plaster cornice. <b>Note:</b> <i>common</i> arched bulkhead with Rumpus room to be demolished and new cornice bulkhead created; ceiling frame to be adjusted to accommodate internal stairs; 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.
Kitchen	Plasterboard wall linings Plasterboard ceiling lining with wide profiled plaster cornice. <b>Note:</b> <i>common</i> arched bulkhead with Rumpus room to be demolished and new cornice bulkhead created; 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.
Hallway	Plasterboard wall linings Plasterboard ceiling lining with cove profiled plaster cornice. <b>Note:</b> not associated with the proposed Contract works.	No action is required.
Bathroom	Probable asbestos cement [ACM] wall linings with wall tiles to 1.5m. Plasterboard ceiling lining with wide cove profiled plaster cornice. <b>Note:</b> not associated with the proposed Contract works.	No action is required.
Bedroom 1	Plasterboard wall linings Plasterboard ceiling lining with wide cove profiled plaster cornice. <b>Note:</b> <i>common</i> internal framed wall with Bedroom 3 to be demolished; built in robe to be demolished 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.
Bedroom 2	Plasterboard wall linings Plasterboard ceiling lining with wide cove profiled plaster cornice. <b>Note:</b> not associated with the proposed Contract works.	No action is required.

Area Assessed	Description and Comment	Assessment / Action
Bedroom 3	Plasterboard wall linings Plasterboard ceiling lining with wide cove profiled plaster cornice. <b>Note:</b> <i>common</i> internal framed wall with Bedroom 1 to be demolished; built in robe to be demolished; 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.
Rumpus room	Plasterboard wall linings Plasterboard ceiling lining with cove profiled plaster cornice. <b>Note:</b> <i>common</i> arched bulkhead with Kitchen and Dining room to be demolished and new cornice bulkhead created; 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.
Laundry <b>Note:</b> external access	Combination of painted brickwork and probable asbestos cement [ACM] to the framed wall. Probable asbestos cement [ACM] sheet with joint cover strips to the ceiling. <b>Note:</b> existing external door and door jamb to be removed and replaced as part of the proposed Contract works	All necessary steps are to be taken to protect the retained wall and ceiling lining from damage during the course of the works. Appropriate dust suppression measures to be provided. No further action is required.
Garage <b>Note:</b> roof space access	Combination of painted brickwork and probable asbestos cement [ACM] to the framed wall. Probable asbestos cement [ACM] sheet with joint cover strips to the ceiling. <b>Note:</b> not associated with the proposed Contract works.	All necessary steps are to be taken to protect the retained wall and ceiling lining from damage during the course of the works.
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 timber ceiling frame. <b>Note 1:</b> approximately 80% of the roof structure to be removed to accommodate the first floor addition as part of the proposed Contract works. Synthetic mineral fibre [SMF] batt insulation overall the roof space. <b>Note 2:</b> insulation is to be retained as part of the proposed Contract works. Sarking is noted to the underside of the roofing tiles to the rear addition roof surfaces only. Minimum ceiling dust is noted	In our opinion the air quality will not be generally affected during the course of the construction of the new first floor addition. Remove and dispose of the foil sarking in a manner approved by NSW OEH and The Hills Shire Council. Appropriate dust suppression measures to be provided. No further action is required.

Area Assessed	Description and Comment	Assessment / Action
Electrical Meter Board	Located on the northwest wall of Bedroom 1. Possible asbestos cement [ACM] in backing board noted to the meter board. <b>Note:</b> 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 possible ACM from damage during the course of the works.
Approximate area of materials “ <i>that may</i> ” contain asbestos [ACM] to be removed as part of the proposed Contract works.		0.0m <sup>2</sup>

### **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 THE HILLS SHIRE Council and the Principal Certifying Authority (PCA) if THE HILLS SHIRE 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 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] 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, 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 THE HILLS SHIRE 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 THE HILLS SHIRE 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 THE HILLS SHIRE 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 THE HILLS SHIRE Council.

#### 4. AREAS NOT ASSESSED

All 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:** 1<sup>st</sup> April 2016