

HAZARDOUS MATERIALS ASSESSMENT REPORT

Client: Cape Cod Australia Pty. Limited

Job details: Owner: Mr. S. M^cAdam
Location: 50 Park Street, Narrabeen NSW

Plans for Job No: 7620/14 Revision No: D Dated: 01-05-15

Council area: WARRINGAH

Date of assessment: 21st May 2015

Our reference: HM03990515

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 [OEHL] Regulations.



Front eastern elevation of the residence

1. GENERAL DESCRIPTION OF THE EXISTING RESIDENCE

Estimated age:	Circa 1950 -1960
Type of construction:	Freestanding single storey full brick / brick cavity on a combination of strip concrete and brick footings supporting a suspended timber floor system.
External cladding:	Clay masonry brickwork and with rough sawn timber weatherboard cladding to the gables.
Roof:	Traditional cut and pitched gable ended roof with terra cotta 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
Under Floor Space	Mainly dry with areas of dampness [ground water seepage] noted to rear of underfloor area. No evidence of hazardous materials was noted. Note: no work is proposed in this area.	No action is required.
Exterior		
Cladding	Surface coated clay masonry brickwork Note: existing window openings to Bedroom 2 and Pantry 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.
	Vertical fixed, rough sawn timber weatherboard cladding to north and south elevation gables. Note: not associated with the proposed Contract works	No action is required
Eave soffit lining	Nil eave soffit - exposed rafters and underside of roofing tiles. Note: not affected by the proposed Contract work.	No action is required
Roofing	Terra cotta roofing tiles. Note: approximately 90% of the 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 porch	Possible asbestos cement [ACM] sheet to the soffit lining. Note: not affected by the proposed Contract works.	All necessary steps are to be taken to protect the possible ACM soffit from damage during the course of the works.
Painting - general	Combination of oil based and acrylic based surface coating to brick walls, timber weatherboards, timber windows, barges and trims. No exposed lead based paints were observed.	Appropriate dust suppression measures to be provided. No further action is required.
Interior		
Entry	Painted cement render to the walls. Fibrous plaster ceiling lining with timber cover battens. Note: existing door opening to Kitchen to be bricked up; new door opening in <i>common</i> internal brick wall with Entry to be created for internal staircase; 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.

Area Assessed	Description and Comment	Assessment / Action
Bedroom 1 Note: Shown as Bedroom 4 on Construction Drawing 3 of 8 for Job No. 7620/14	Painted cement render to the walls. Fibrous plaster ceiling lining with timber cover battens. Note: new double door opening to be created in <i>common</i> internal wall with existing Linen cupboard to form new robe; 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 Note 1: raked ceiling line and skylight Note 2: Shown as stairs / WIR on Construction Drawing 3 of 8 for Job No. 7620/14	Painted cement render to the walls. Fibrous plaster ceiling lining with timber cover battens. Note: skylight to be removed and ceiling frame to be levelled and adjusted to accommodate internal staircase; existing window opening in southern wall to be bricked up; existing door opening to Kitchen to be bricked up; new door opening in <i>common</i> internal brick wall with Entry to be 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.
Kitchen Note: raked ceiling line and skylight	Painted cement render to the walls. Fibrous plaster ceiling lining with timber cover battens. Note: <i>common</i> internal brick wall with Pantry to be demolished; <i>common</i> internal brick wall with Living room to be demolished; skylight to be removed and ceiling frame to be levelled and ceiling be replaced; existing floor tiles to be removed and replaced; existing window to be removed and replaced; existing door opening to Hallway 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.
Pantry Note: raked ceiling	Painted cement render to the walls. Fibrous plaster ceiling lining with timber cover battens. Note: <i>common</i> internal brick wall with Kitchen to be demolished; ceiling frame to be levelled and ceiling be replaced; existing door opening to Entry to be bricked up; new door opening to be created in <i>common</i> internal wall with Bedroom 2; 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.

Area Assessed	Description and Comment	Assessment / Action
Hallway Note: partially raked ceiling	<p>Painted cement render to the walls.</p> <p>Fibrous plaster ceiling lining with timber cover battens.</p> <p>Note: ceiling frame to be levelled and ceiling replaced; existing door opening to Kitchen to be bricked up; existing floor tiles to be removed and replaced; and all surfaces to be made good as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
Bathroom Note: raked ceiling line and skylight	<p>Painted cement render to the walls above wall tiles to 1.8m.</p> <p>Fibrous plaster ceiling lining with timber cover battens and timber mould cornice.</p> <p>Note: skylight to be removed; ceiling frame to be levelled and ceiling replaced; existing window to be and replaced; and all surfaces to be made good as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
Bedroom 3	<p>Painted cement render to the walls.</p> <p>Fibrous plaster ceiling lining to top of exposed ceiling joists.</p> <p>Note: not associated with the proposed Contract works.</p>	No action is required.
Living room Note: fireplace Note: Shown as Dining room on Construction Drawing 3 of 8 for Job No. 7620/14	<p>Painted cement render to the walls.</p> <p>Fibrous plaster ceiling lining to top of exposed ceiling joists.</p> <p>Note: existing door opening with Linen cupboard to be bricked up; <i>common</i> internal brick wall with Kitchen including fireplace and chimney to be demolished; and all surfaces to be made good as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
Linen Cupboard Note: roof space access	<p>Painted cement render to the walls.</p> <p>Hardboard ceiling lining below original fibrous plaster ceiling.</p> <p>Note: existing door opening to be bricked up; new double door opening to be created in <i>common</i> internal wall with Bedroom 1 to form new robe; and all surfaces to be made good as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>

Area Assessed	Description and Comment	Assessment / Action
Family room	<p>Combination of painted cement render and timber lining boards to the walls.</p> <p>Fibrous plaster ceiling lining to top of exposed ceiling joists.</p> <p>Note: existing windows to be removed and new opening created to fit new window frames; bay window to be demolished to accommodate new timber deck structure; and all surfaces to be made good as part of the proposed Contract works.</p>	<p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
External WC	<p>Painted cement render to the walls.</p> <p>Fibrous plaster ceiling lining.</p> <p>Note: 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 ceilings, walls, doors, windows 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>
Roof Cavity	<p>Traditional cut and pitched timber roof structure and ceiling frame.</p> <p>Note 1: approximately 90% of the roof structure to be removed to accommodate the first floor addition as part of the proposed Contract works.</p> <p>Areas of foil backed panel insulation and synthetic mineral fibre batt insulation noted.</p> <p>Note 2: insulation to be retained</p> <p>No sarking noted to the underside of the terra cotta tiles</p> <p>Minimal ceiling dust was noted.</p>	<p>In our opinion the air quality will not be generally affected during the course of the construction of the first floor addition.</p> <p>Appropriate dust suppression measures to be provided.</p> <p>No further action is required.</p>
Electrical Meter Board	<p>Located on southern wall adjacent to front entry porch.</p> <p>In our opinion the existing meter board complies with current industry and Supply Authority requirements.</p> <p>Note: to be retained in current position as part of the proposed Contract works.</p>	No action is required.
Double Garage	<p>Freestanding concrete block construction with a concrete slab roof. Garage is partially excavated into the site.</p> <p>Note: not associated with the proposed Contract works</p>	No action is required.
Shed	<p>Freestanding timber framed and rough sawn timber weatherboard clad structure with a suspended timber floor.</p> <p>Note: not associated with the proposed Contract works</p>	No action is required.

Area Assessed	Description and Comment	Assessment / Action
Approximate area of materials “ <i>that may</i> ” contain asbestos [ACM] to be removed as part of the proposed Contract works.		0.0m ²

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 WARRINGAH Council and the Principal Certifying Authority (PCA) if WARRINGAH Council is not the PCA, not less than five [5] working days ***before commencing any demolition works*** involving products or materials “*that may*” contain asbestos [ACM].

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

ASBESTOS [ACM] REMOVAL CONTROL PLAN

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 WARRINGAH Council.

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 WorkCover NSW, NSW Office of Environment and Heritage [OEH], appropriate licensed disposal Authority or WARRINGAH Council.

Safe Work Method Statement – Lead based Paints

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

- Appropriate warning signage and barricades are to be erected to prevent as far as is *reasonably practicable*, entry of anyone not connected with the removal activity into the work area.
- When working with lead based paints all ‘workers’ are to wear personal protective equipment [PPE] including coveralls and an approved respiratory protective equipment [RPE] in accordance with the requirements of AS/NZS1716 - *Respiratory Protection devices* and AS/NZS1715 - *Selection, use and maintenance of respiratory protective devices*. Eye protection, complying with AS/NZS1336 and AS/NZS1337 whenever full face respirators are not used.
- The property Owner [Client] is to be advised to clear or cover personal effects in adjoining living spaces as much as is practical.
- Any openings between living areas are to be sealed prior to the commencement of any removal work of lead based paints to prevent as far as is *reasonably practicable*, dust entering the retained living areas.

- Use approved vacuum cleaning equipment [HEPA] which complies with AS/NZS 603335.2.69 - *Industrial vacuum cleaners*, to prevent as far as is *reasonably practicable*, the release of dust that may contain lead while it is being removed. **Do not use** household vacuum cleaners even if the unit has a HEPA filter.
- Dispose of collected lead based paint dust in sealed approved plastic bags which are clearly labelled.
- All dust containing lead or other contaminants is to be disposed of as far as *reasonably practicable* in a manner, and at a site, approved by WorkCover NSW, NSW Office of Environment and Heritage [OEH], appropriate disposal Authority or WARRINGAH 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: 22nd May 2015