



JONSPIN

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HAZARDOUS MATERIALS ASSESSMENT REPORT

Client: Cape Cod Australia Pty. Limited

Job details: Owner: Ms. K. Choi
Location: 15 Sutherland Street, Lane Cove

Plans for Job No: 7718/15 Revision No: D Dated: 23-02-16

Council area: LANE COVE

Date of assessment: 11th March 2015

Our reference: HM04730316

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 south west elevation of the residence

1. GENERAL DESCRIPTION OF THE EXISTING RESIDENCE

Estimated age:	Original residence is circa 1945-1950. Additions to the rear of the residence and internal renovations / refurbishments are approximately circa 1980 -1990 and 2000 respectively.
Type of construction:	The residence is a freestanding single storey construction. The original residence is full brick / brick cavity construction with brick footings and suspended timber floor system. The rear additions are constructed on strip concrete footings with a suspended timber floor system.
External cladding:	Clay masonry brickwork
Roof:	Original roof structure and the rear additions roof structure are traditional cut and pitched hipped and valley roof structures. The original roof is terra cotta roofing tiles. The roof surfaces to the rear additions are corrugated 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 Note: internal access	Mainly dry sandy loam with areas of dampness [groundwater seepage] noted No evidence of hazardous materials was noted. Note: plumbing and draining to existing Bathroom 2 to be terminated as part of the proposed	Appropriate dust suppression measures to be provided. No further action is required.
Exterior		
Cladding	Face clay masonry brickwork. Note: existing window in southeast wall of TV room to be removed; opening adjusted for new window; 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.
Eave soffit lining	Probable asbestos cement [ACM] sheet. Note: eave to southeast elevation including over the front porch to be removed to accommodate first floor addition as part of the proposed Contract works.	5.0m² Remove and dispose of the probable ACM eaves in a manner approved by Safe Work NSW, NSW OEH and Lane Cove Council. See attached Safe Work Method Statement for the removal of material <i>that may</i> contain asbestos [ACM]. All necessary steps are to be taken to protect the retained eaves from damage during the course of the works. Appropriate dust suppression measures to be provided. No further action is required.
Roofing material	Terra cotta tiles to the original roof structure. Note: approximately 25% of the original roof structure to be removed to accommodate first floor addition; remaining roofing tiles to be removed and 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 the roof surfaces of the rear additions. Note: approximately 70% 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.

Area Assessed	Description and Comment	Assessment / Action
Front porch	<p>Probable asbestos cement [ACM] sheet to the porch soffit.</p> <p>Note: flat roof structure to be removed and roof re-pitched as part of the proposed Contract works.</p>	<p>2.4m²</p> <p>Remove and dispose of the probable ACM soffit lining in a manner approved by Safe Work NSW, NSW OEH and Lane Cove 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>
Rear patio	<p>Attached timber framed structure with a flat roof and corrugated profiled sheet metal roofing.</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 the timber windows, timber fascia, bargeboards, 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>
Interior		
Entry / Hallway	<p>Painted cement render to the walls.</p> <p>Decorative fibrous plaster ceiling with decorative profiled plaster cornice.</p> <p>Note: <i>common</i> internal wall with Bathroom 2 including existing bulkhead to Hallway 2 to be demolished to accommodate internal stairs; 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 1 Note 1: fireplace Note 2: Shown as Lounge room on Construction Drawing 3 of 8 for Job No. 7718/15	<p>Painted cement render to the walls.</p> <p>Decorative fibrous plaster ceiling with decorative profiled plaster cornice.</p> <p>Note: not associated with the proposed Contract works.</p>	No action is required.
Study	<p>Combination of painted cement rendered walls and plasterboard to the framed walls.</p> <p>Decorative fibrous plaster ceiling with decorative profiled plaster cornice.</p> <p>Note: not associated with the proposed Contract works.</p>	No action is required.

Area Assessed	Description and Comment	Assessment / Action
Bedroom 2 Note: Shown as Bedroom 1 on Construction Drawing 3 of 8 for Job No. 7718/15	Combination of painted cement rendered walls and plasterboard to the framed walls. Decorative fibrous plaster ceiling with decorative profiled plaster cornice. Note: not associated with the proposed Contract works.	No action is required.
Ensuite	Wall tiles from floor to ceiling level. Decorative fibrous plaster ceiling with decorative profiled plaster cornice.	No action is required.
Bathroom 1	Wall tiles from floor to ceiling level. Plasterboard ceiling with decorative profiled plaster cornice. Note: not associated with the proposed Contract works.	No action is required.
Bathroom 2 Note: Shown as Stairwell on Construction Drawing 3 of 8 for Job No. 7718/15 Note: skylight	Wall tiles from floor to ceiling level. Plasterboard ceiling with decorative profiled plaster cornice. Note: wall and floor tiles fixtures and fittings to be stripped out; plumbing and drainage to be terminated; <i>common</i> internal wall with Hallway to be demolished; ceiling frame to be adjusted to accommodate 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.
Bedroom 3 Note: Shown as Bedroom2 on Construction Drawing 3 of 8 for Job No. 7718/15	Painted cement render to the walls. Decorative fibrous plaster ceiling with decorative profiled plaster cornice. Note: not associated with the proposed Contract works.	No action is required.
Hallway 2	Painted cement render to the walls. Plasterboard ceiling with decorative profiled plaster cornice. Note: existing bulkhead to Hallway 1 to be demolished 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.
TV room / Casual Living Note: built in heater	Combination of painted brickworks and feature brick the walls. Plasterboard ceiling with decorative profiled plaster cornice. Note: <i>common</i> internal wall with Dining / Living room to be demolished; internal dividing / partition wall to be demolished; and all surfaces including wall, ceiling cornices and skirting 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
Pantry	Plasterboard to the walls. Plasterboard ceiling with decorative profiled plaster cornice. Note: not associated with the proposed Contract works.	No action is required.
Kitchen / Dining, Living Note: light shaft	Combination of plasterboard and feature brick to the walls. Plaster ceiling with decorative profiled plaster cornice. Note: <i>common</i> internal wall with TV room / Casual Living to be demolished; existing light well to be framed up; and all surfaces including wall, ceiling cornices and skirting to be made good as part of the proposed Contract works.	Appropriate dust suppression measures to be provided. No further action is required.
Laundry	Probable fibre-cement [FC] sheet to the walls with skirting tiles. Plasterboard ceiling with decorative profiled plaster cornice. Note: not associated with the proposed Contract works.	No action is required.
Painting - general	Combination of oil based and acrylic based surface coating to 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.
Roof Cavity	Traditional cut and pitched timber roof structure and timber ceiling frame. Note 1: approximately 70% 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. Note 2: insulation is to be retained as part of the proposed Contract works. Ducted air-conditioning unit and flexible air conditioning ductwork noted to the original roof area. Sarking is noted to the underside of the sheet metal roofing to the rear addition roof surfaces. Minimum ceiling dust is noted Note 3: existing brick chimney to Bedroom 1 fireplace to be demolished down to ceiling level as part of the proposed Contract works.	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 Lane Cove 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 2. Possible asbestos cement [ACM] in backing board noted to the meter board. Note: meter board 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.
Garden Shed	Freestanding timber framed and timber weatherboard clad. Note: not associated with the proposed Contract works.	No action is required.
Approximate area of materials “that may” contain asbestos [ACM] to be removed as part of the proposed Contract works.		7.4m²

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 (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 LANE COVE Council and the Principal Certifying Authority (PCA) if LANE COVE 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 LANE COVE 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 Safe Work NSW, NSW Office of Environment and Heritage [OEH], appropriate licensed disposal Authority or LANE COVE 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 LANE COVE 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

A handwritten signature in black ink, appearing to read 'John Spindler', is centered within a light gray rectangular box.

John Spindler

Date of Issue: 12th March 2016