

Loose-fill Asbestos Insulation Ceiling Cavity Inspection Report



Report number: 68447/2016/SAL/630-45_Barooka_Avenue_COOMA
Issue Date: 8 November 2017
Address: 45 Barooka Avenue, Cooma, NSW 2630

Loose-fill Asbestos Insulation Ceiling Cavity Inspection Report

45 Baroona Avenue, Cooma, NSW 2630

Report number: 68447/2016/SAL/630-45_Baroona_Avenue_COOMA

Company Name: Safe Work and Environments Pty Ltd




Field Work by:	Written/Submitted by:	Reviewed/Approved by:
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LAA001150	LAA001150	LAA000184
May 30, 2017	8 November 2017	8 November 2017

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1. Introduction

1.1 Background Information

In the 1960s and 1970s a company known as Mr Fluffy used raw amosite and crocidolite asbestos, known as loose-fill asbestos, as ceiling insulation in some ACT and NSW homes. The NSW Government has determined that demolition, comprehensive site remediation and disposal is the best way to ensure the health and safety of the NSW community. NSW Fair Trading has established the Loose-fill Asbestos Implementation Taskforce (the Taskforce) which is responsible for overseeing and implementing a Voluntary Purchase and Demolition Program (the Program) for properties identified as containing loose-fill asbestos insulation (LFAI).

1.2 Objectives

Under the Program, free sample testing for LFAI is being offered to owners of pre-1980s residential properties within approved Local Government Areas. The objective of the free sample testing is to identify properties that are affected by LFAI. Homeowners of LFAI affected properties will then be eligible to have their property purchased and demolished under the Program.

To that end, Safe Work and Environments Pty Ltd (SWE) has been commissioned by the Taskforce to carry out an inspection of 45 Baroona Avenue, Cooma, NSW 2630 and prepare this Loose-fill Asbestos Insulation Ceiling Cavity Inspection Report.

1.3 Limitations

This investigation consisted of a visual inspection and laboratory analysis of at least three samples taken during the site inspection as shown in the site plan (**Figure 1**).

This report does not certify that the property is free from Loose Fill Asbestos Insulation or other asbestos dusts, which could exist in wall, floor or ceiling cavities or other parts of the property or any inaccessible or partly inaccessible areas or sections of the property.

Any person acting or relying on this report, in whole or in part, does so subject to the limitations expressed in this report and at their own risk.

A risk assessment of Loose-fill Asbestos Insulation is outside the scope of this report.

2. Survey Results

2.1 Building History and Construction

The below table presents the findings and observations that were made in relation to the building history and construction that may be relevant to the LFAI assessment inspection.

Table 1: Summary of Building History and Construction

Year of Construction	Unknown.
Has any extensions to the residence been made or other major renovation works that may have an impact upon the ceiling cavity?	No available information
Description of Building	The dwelling consisted of a single storey weatherboard house containing bedrooms, a kitchen, a laundry, a bathroom and communal areas. The roof consisted of metal sheeting.
Is there any evidence present of that may suggest that LFAI was sprayed in the ceiling cavity?	No evidence of LFAI

2.2 Methodology

Kieran Shields (Licensed Asbestos Assessor, license no.LAA001150) of SWE carried out the inspection at 45 Baroona Avenue, Cooma, NSW 2630 on 30/05/2017.

Prior to undertaking an inspection of the property a risk assessment was undertaken and temporary controls, including the placement of plastic sheeting below the manhole cover and use of appropriate Personal Protective Equipment (PPE), were implemented prior to gaining access into the ceiling cavity.

The inspection included taking at least three samples from an area the Licensed Asbestos Assessor determined represented the highest likelihood of containing LFAI. At least one of these samples was taken from a location where LFAI is likely to remain following any remediation work. A dust suppression spray was applied to any loose material prior to sampling. The samples were collected and placed into a labelled zip locked bag or sampling jar.

The inspection was undertaken in accordance with 'How to Manage and Control Asbestos in the Workplace, Code of Practice' (Safe Work Australia, December 2011).

All samples were delivered to the SWE in house National Association of Testing Authorities accredited testing laboratory under Chain of Custody protocol. All samples were tested for asbestos under Australian Standard AS 4964 - 2004 'Method for the qualitative identification of asbestos in bulk samples' and SWE's *In-House Method 3 – Fibre Identification* that is NATA accredited for the testing method.

2.3 Survey Results

Sampling results are summarised in **Table 2**. Sampling locations are shown on **Figure 1**. Photographs of sampling locations are included in **Appendix A**. A Laboratory Report and chain of custody form are included in **Appendix C**.

Table 2: Laboratory Results Summary

Sample Number	Sample Reference	Sample Description	Location	Photo No.	Results
Sample 1	S105568/16.88_A01	Insulation Batt	Adjacent manhole	(Refer to photo 3)	No asbestos detected
Sample 2	S105568/16.88_A02	Loose Fill Insulation	Underneath yellow insulation batt	(Refer to photo 5)	No asbestos detected
Sample 3	S105568/16.88_A03	Ceiling Dust	Top of timber roof truss	(Refer to photo 7)	No asbestos detected

2.4 Comments on Survey Results

The above laboratory analysis results suggest that there is no LFAI present within the assessed and accessible roof cavity.

Appendix A

Photographs

Ceiling Cavity



Photo Ref #1



Photo Ref #2

Sample 1 Location



Photo Ref #3

Sample 1 Collected Sample



Photo Ref #4

Sample 2 Location



Photo Ref #5

Sample 2 Collected Sample



Photo Ref #6

Sample 3 Location



Photo Ref #7

Sample 3 Collected Sample



Photo Ref #8

Appendix B & C

B. Site Plan Showing Location of Samples

C. Laboratory Reports

Figure 1

Legend



45 Baroona Ave Cooma

Sample 3: Ceiling
Dust:
**No Asbestos
Detected**
Refer to Table 1 for
further
information.



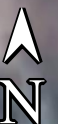
45 Baroona Ave

Sample 1:
Insulation Batt:
**No Asbestos
Detected**
Refer to Table 1
for further
information.

Sample 2: Loose Fill
Insulation:
No Asbestos Detected
Refer to Table 1 for
further information.

Google Earth

© SPOT IMAGE
Image © 2017 DigitalGlobe



30 m

CHAIN OF CUSTODY FORM



Client Details	
Client: NSW Fair Trading	Site Address: 45 Baroona Avenue Cooma
SWE Job ID: S105568/16.88	Client Site ID: 68447/2016/SAL/630-45_Baroona_Avenue_COOMA
Sampled By: Kieran Shields	Date: 30/05/2017
Requested Turn Around Time (Standard/24hour/48hours): Standard	Return Results to Email: Internal
Comments/Special Instructions:	

Sample Details		
SWE Sample ID	Sample Description	Requested Analysis
S105568/16.88/A01	Batts	Asbestos
S105568/16.88/A02	Loose Insulation	Asbestos
S105568/16.88/A03	Dust	Asbestos

Notes:

- A copy of this Chain of Custody will be returned to sender's nominated email upon receipt of samples.
- Each sample is to be in a sealed plastic bag marked with sample number/id, client name/company and date of sample.
- The samples and two copies of the chain of custody will be sealed in a second plastic bag for delivery to the SWE laboratory, Suite 7/103 Majors Bay Road, Concord NSW 2137 (02 8757 3611).

SWE Laboratory Use Only

Lab Job No. S105568/16.88 Date Received 30/5/17 Received By SR
 Report Due Date 22/6/17 Date Report 22/6/17 Issued By Plk

22 June 2017

Attention: Steven Nikolovski
Client: NSW Fair Trading

SWE Reference: S105568/16.88
Date of Receipt: 30/05/2017
NATA Accreditation No: **17092**

Asbestos Identification

This report presents the results of 3 samples, collected by SWE consultant on 30 May 2017 for analysis for asbestos.

1. Introduction: Three samples collected by SWE consultant were examined and analysed as received for the presence of asbestos.

2. Methods: The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining.

3. Results:

SWE Ref.	DATE ANALYSED	SAMPLE DESCRIPTION	DIMENSIONS (g)	ANALYSIS RESULTS
S105568/16.88/A01	17/06/2017	Light pink vitreous fibrous material	0.58 g	No Asbestos Detected Synthetic Mineral Fibre Detected
S105568/16.88/A02	17/06/2017	Off-white vitreous fibrous material	2 g	No Asbestos Detected Synthetic Mineral Fibre Detected
S105568/16.88/A03	17/06/2017	Dark mustard vitreous fibrous material	1.72 g	No Asbestos Detected Synthetic Mineral Fibre Detected Organic Fibre Detected

Methodology: Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscope carried out in accordance with AS4964-2004 and SWE's *In-House Method 3 – Fibre Identification*. The collection of the sampling is not covered under the below NATA Accreditation Scope.

NATA Accreditation Number: 17092

NATA Accreditation Scope: 7.82.31 – Asbestos Fibre Identification
7.84.31 – Asbestos

Analysed and reported by



Rune Knoph

Approved Issuer of Report



The results of the tests, calibrations and/or measurements in this document are traceable to Australian/national standards. Accredited for compliance with ISO/IEC 17025.

S105568-16.88-FID Report