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Licence No NSW#LAA000169
ABN 16 002 158 465
Asbestos Assessor Class A

Asbestos Incident Inspection

(NOT FOR CONSTRUCTION)

Report No :	06032017-01 Ver3	
Address:	Jaeger Building 1, Building 61 ANU Action ACT	
Prepared & Approved By :	B.Williams LAA000169	
Date of Sampling:	6th March 2017 9th March 2017 Ver 2 15 March 2017 Ver 3	

Asbestos Incident Inspection

Dear Sir/ Madam,

Re: Room B6 Jaeger Building 1, Building 1 ANU Acton ACT
Ref: 06032017-01 Ver 3
Date: March 6, 2017

History

ANU staff engaged ACR after a possible asbestos hazard has was identified in room B6, Jaeger Building 1 ANU.

ANU Staff as precaution erected signage on the doors & restricted access. (fig 1)

Sampling conducted by SWE in C100710-61-R01 in June 2015 found that sections of the pipe lagging in room B6 contained Amosite asbestos fibres.

Inspection Update 9th March 2017

Academic staff at RSES ANU raised concerns about items & equipment that had been stored in room B6 & had been moved to other room & storage areas prior to the inspection completed by ACR on the 6th March 2017.

A list of items & equipment was compiled for inspection & dust sampling with guidance from the Academic Staff who are the occupants & users of room B6, sampling was undertaken on the 9th March by ACR.

Further sampling of room B6 (B4a) was undertaken on the 9th March 2017 after academic staff requested that storage items in the area between the 2 access doors were moved to inspect & test.

Inspection Update 15th March 2017

Due to the condition of the pipe insulation in room B6 (B4a) Facilities & Services staff engaged ACR to conduct a in-depth inspection of the basement level of Jaeger Building 1.

The scope of the work was to check all easily accessible pipe lagging for damage, wear & degradation. Areas where issues were present would be highlighted on a floor plan to & added to the scope of works to be undertaken.

Inspection notes

Room B6 (B4a)

6/3/17

The inspection found that several sections of the pipe lagging in the room was Asbestos, these were found to be clearly labeled (fig 2 to 5)

Several areas of the pipe lagging was found in a poor/damaged condition, areas around the hangers & joins were visibly damaged. (fig 6 to 11)

A section above the entry door marked B4a was found to be unwrapped with cloth, exposing visible fibres. (fig 12)

Dust & debris was visible throughout the room below areas where the asbestos pipe lagging was in a poor condition, sampling was conducted in 6 sections of the room to check for the presence of loose asbestos fibres in the dust. (fig 13 to 23)

Of the 6 samples taken 2 were found to contain Amosite Asbestos fibres. (see attached report page 9)

Occupational Air monitoring was conducted in room B6 & in the hallway outside to doors to check Airborne fibre levels, both monitors returned levels of <0.01 ppm. All control measures

were effective. (Air Report 06032017-01 attached page 26)

ACR advised that room B6 (B4a) be left isolated & restricted to unauthorized personnel, all signage is to remain in place & no access to the area without the supervision of a licensed asbestos professional.

9/3/17

Storage items in the area between the door were moved to check for further contamination, it was found that the areas behind, between & on top of had visible dust. This was similar to the visible dust inspected on the 6/3.

Sampling was conducted in 3 of these areas, the 3 samples taken were positive for Amosite Asbestos. Fibres. (see attached report 06032017-01 page 20)

All restrictions are to remain in place in room B6 & Urgent repairs, encapsulation, environmental clean is to be undertaken in room B6

Store items that had been moved

Items that were listed for concern due to being stored in room B6 (B4a) were inspected & sampled for dust internally & externally on the 9/3, items were sampled from rooms;

- G13
- G14
- G22
- L29
- Black Mountian Storage Shed

Academic Staff listed these items as they were stored in Room B6 at some stage in time & had been removed prior to the inspection.

The items were found to have high dust concentrations, ACR conducted sampling of the dust on 12 items, all 12 samples were negative & no asbestos fibres were present in the sampled area. (see attached 09032017-01 report page 29)

Jaeger Building 1 Basement Inspection 14/3/17

The inspection of the pipe lagging in the basement areas of Jaeger Building 1 found issues in the following areas;

- Corridor
    - Wall penetration rear of B10 into the confined space area was found to have raw ends & visible fibrous debris on the wall & floor below. (Sample A850)
    - Damage above AC unit ext B12 exposing raw lagging, visible fibrous debris in dust. (Sample A851)
    - Minor damage & wearing of calico above entry to B3
    - Unwrapped loose lagging, visible fibros debris in the cable trays below, above fire extinguisher ext B5 (Sample A852)
- B1
    - 2 pipes in centre of the room running above the air venting, unsealed ends, visible lagging loose above venting & visible fibrous debris in dust in sheeting below. (Sample A853)
    - Pipes entering B1/1 unsealed ends, visible lagging loose above venting & visible fibrous debris in dust in sheeting below. (Sample A854)
    - 3 pipes running along wall B5, unsealed ends on pipe hangers, dust below on CPU was sampled. (Sample A855)
    - Corner of room where penetration into room B5, visible unsealed wrapping on pipe lagging & unsealed ends. (This is easier to view from B5)
- B5
    - Unsealed wrapping & Unsealed ends of pipe lagging in room B1 visible from corner penetration.

- B1/1
    - Nil visible, assume pipe lagging present above the ceiling of corrosive store
- B7
    - Tape coming away from old repair works exposing loose lagging & fibres
- B2
    - Entry door to corridor, poor section of lagging above the air venting exposing raw lagging, visible fibrous debris in dust on venting. (Sample A856)
    - Both sides of the room above the compactors, poor sections of lagging above the air venting exposing raw lagging, visible fibrous debris in dust on venting.
- B3
    - Poor section above venting, visible unsealed wrapping on pipe lagging & unsealed ends. Access to this lagging is restricted.
    - Small areas of damage exposing raw lagging, these were circled during the inspection.
    - Raw end of insulation left unsealed above compressor unit.
    - Pipe lagging above doors was found to ha a exposed joint with visible debris in the cable tray below (Sample A857)
    - Dust on the floor below the Air Compressor unit was sampled (Sample A858)
- B10
    - Poor section of pipe lagging in rear corner, visible unsealed wrapping on pipe lagging & unsealed ends. Access to this lagging is restricted.
    - Small areas of damage exposing raw lagging, these were circled during the inspection.
    - Dust on the water tank was sampled (Sample A859)
    - A section of pipe lagging was found to be resting on a cable tray, a small section of raw lagging was exposed. (Sample A860)
- B12
    - Nil

It was noted that all sections of pipe lagging throughout all areas were in a poor condition around the pipe hangers, penetrations, joints & valve joints with loose or visibly unsealed areas exposing raw lagging.

Background air monitoring was undertaken during the inspection (see attached report 15012017-01 page 50)

Dust & debris sampling was undertaken in areas where high visible damage was present. (see attached report 14032017-01 page 41)

Action to be taken

Urgent removals of sections of lagging, repairs, encapsulation & environmental clean of the basement area in the Corridor, Rooms B1, B2, B3, B5, B7, B4a, B6, B10 should be undertaken.

Until the removal, repairs, encapsulation & environmental clean is undertaken, the basement area of Jaeger Building 1 is to;

- **Signage has been erected at all entry doors**
- **The affected area are to be left isolated &restricted access & off limits to all unauthorized personnel.**
- **Entry into the area is to be conducted only under the supervision of a Licensed Asbestos Professional.**
- **Entry to all affected areas should only be by authorized personnel wearing the appropriate respiratory protective equipment (RPE) P2/P3 Masks & personnel protective equipment (PPE) such as steel capped boots, Hi Vis Clothing and disposable suits were necessary.**

Scope Of Works to be followed

Class A Removalist Scope

- **All works to be conducted under friable conditions.**

Room B6 (B4a) (fig 1 to 23)

- Prepare area for a friable asbestos removal works & environmental clean.
- Set up negative air units.
- Erect decontamination areas for all operatives.
- Remove & Dispose of Asbestos pipe insulation that is unwrapped or badly damaged, using glove bag or saturation removal methods.
- Wrap reinforced silver tape to encapsulated all sections of pipe that have exposed ends, damage or where pipe hangers are penetrating the insulation.
- Remove & dispose of all loose items & all porous materials present in the room as contaminated waste in marked 200um bags or wrapped in 200um plastic.
- Environmentally clean all cable trays, shelving units, cupboards & areas where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags

Corridor (fig 26-27)

- Prepare area for a friable asbestos removal works & environmental clean.
- Set up negative air units.
- Erect decontamination areas for all operatives.
- Remove & Dispose of Asbestos pipe insulation that is unwrapped or badly damaged Above fire extinguisher ext B5, using glove bag or saturation removal methods.
- Remove & dispose of the pipe insulation that is penetrating the subfloor wall Ext B10, using glove bag or saturation removal methods.
- Wrap reinforced silver tape to encapsulated all sections of pipe that have exposed ends, damage or where pipe hangers are penetrating the insulation.
- Remove & dispose of all loose items & all porous materials present in the room as contaminated waste in marked 200um bags or wrapped in 200um plastic.
- Environmentally clean all cable trays, shelving units, cupboards & areas where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags

Room B1 (fig 38-45)

- Prepare area for a friable asbestos removal works & environmental clean.
- Set up negative air units.
- Erect decontamination areas for all operatives.
- Remove & Dispose of Asbestos pipe insulation that is unwrapped & badly damaged above the central air venting system, using glove bag or saturation removal methods.
- Remove & dispose of the pipe insulation that is penetrating the wall into B1/1, using glove bag or saturation removal methods.
- Remove & dispose of the pipe insulation 1m either side of the area where the raw insulation is visible on pipe hanger (wall B5), using glove bag or saturation removal methods.
- Wrap reinforced silver tape to encapsulated all sections of pipe that have exposed ends, damage or where pipe hangers are penetrating the insulation.
- Remove & dispose of all loose items & all porous materials present in the room as contaminated waste in marked 200um bags or wrapped in 200um plastic.
- Environmentally clean all cable trays, shelving units, cupboards & areas where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags

Room B5 (fig 45)

- Environmentally the corner area of the room where lagging is visible from Room B1 where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags
- Seal penetration where pipe insulation from room B1 is visible

Room B7
(fig 47)

- Prepare area for a friable asbestos removal works & environmental clean.
- Set up negative air units.
- Erect decontamination areas for all operatives.
- Wrap reinforced silver tape to encapsulated all sections of pipe that have exposed ends, damage or where pipe hangers are penetrating the insulation.
- Environmentally clean all cable trays, shelving units, cupboards & areas where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags

Room B2
(fig 48 to 53)

- Prepare area for a friable asbestos removal works & environmental clean.
- Set up negative air units.
- Erect decontamination areas for all operatives.
- Remove & Dispose of Asbestos pipe insulation that is unwrapped & badly damaged above the air venting system corridor access door, using glove bag or saturation removal methods.
- Remove & Dispose of Asbestos pipe insulation that is unwrapped & badly damaged above the compactors, using glove bag or saturation removal methods.
- Wrap reinforced silver tape to encapsulated all sections of pipe that have exposed ends, damage or where pipe hangers are penetrating the insulation.
- Remove & dispose of all loose items & all porous materials present in the room as contaminated waste in marked 200um bags or wrapped in 200um plastic.
- Environmentally clean all cable trays, shelving units, cupboards & areas where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags

Room B3
(fig 54 to 61)

- Prepare area for a friable asbestos removal works & environmental clean.
- Set up negative air units.
- Erect decontamination areas for all operatives.
- Remove & Dispose of Asbestos pipe insulation that is unwrapped & badly damaged above the air venting system corner with poor access, using glove bag or saturation removal methods.
- Wrap reinforced silver tape to encapsulated all sections of pipe that have exposed ends, damage or where pipe hangers are penetrating the insulation.
- Environmentally clean all cable trays, shelving units, cupboards & areas where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags

Room B10
(fig 62 to 64)

- Prepare area for a friable asbestos removal works & environmental clean.
- Set up negative air units.
- Erect decontamination areas for all operatives.
- Remove & Dispose of Asbestos pipe insulation that is unwrapped & badly damaged in rear corner with poor access, using glove bag or saturation removal methods.
- Wrap reinforced silver tape to encapsulated all sections of pipe that have exposed ends, damage or where pipe hangers are penetrating the insulation.
- Environmentally clean all cable trays, shelving units, cupboards & areas where dust has accumulated using;
    - Class H Vacuum
    - Wet wipes or damp rags

Assessor Scope

A Licensed A Class Asbestos Assessor is to be engaged to conduct the following.

- Background Air Monitoring during removal, repairs, encapsulation & environmental cleaning process
- Air Monitoring for clearance purposes
- Conduct dust sampling for clearance purposes (where necessary)
- Issue Clearance Certificates for all areas.

All works are to be undertaken under A Class (friable) restrictions.

Recommendations

It is recommended that the Asbestos Insulation is removed, if these are not completed due to time or budgetary constraints the insulation should be;

- **Programed in for removal at the next available time**
- **Re-inspected every 6 months by an Asbestos Assessor**

All works are to be conducted under class A Friable control measures.

All works are to have Air Monitoring by a Asbestos Assessor

Other areas & points to note

ACR found that in the confined space 1-061-06 it was visible from the door that;

- **SMF pipe lagging is present in the subfloor area**
- **Non-friable Asbestos Cement debris is present in the subfloor area**

In the corridor it was noted that a fluorescent light was held up by silver tape.

Ben Williams Manager

Licence No.
NSW LAA000169

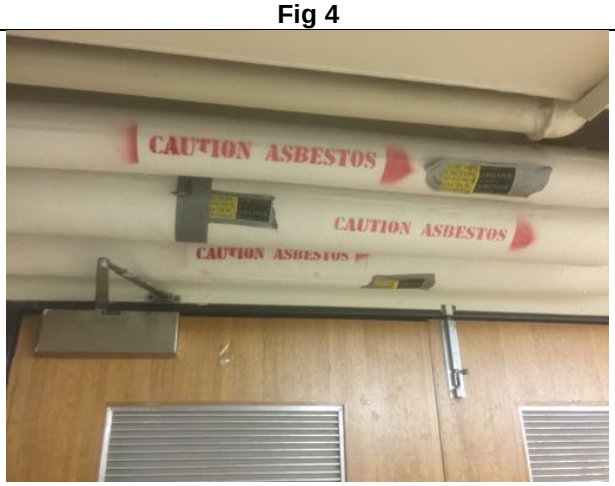
Site Photos	
Fig 1	**Fig 2**
	
Fig 3	**Fig 4**
	
Fig 5	**Fig 6**
	

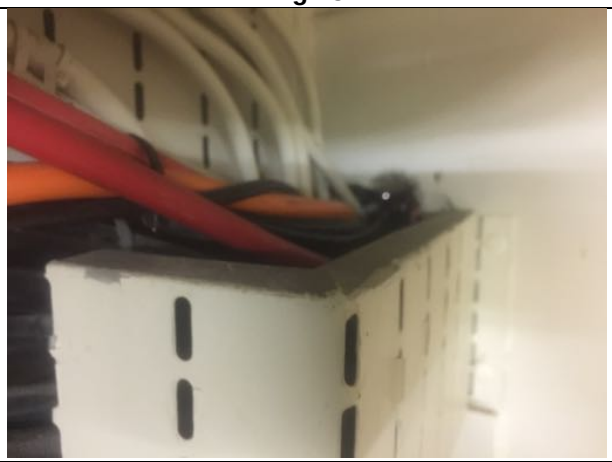
Fig 7	Fig 8
	
Fig 9	**Fig 10**
	
Fig 11	**Fig 12**
	
Fig 13	**Fig 14**
	

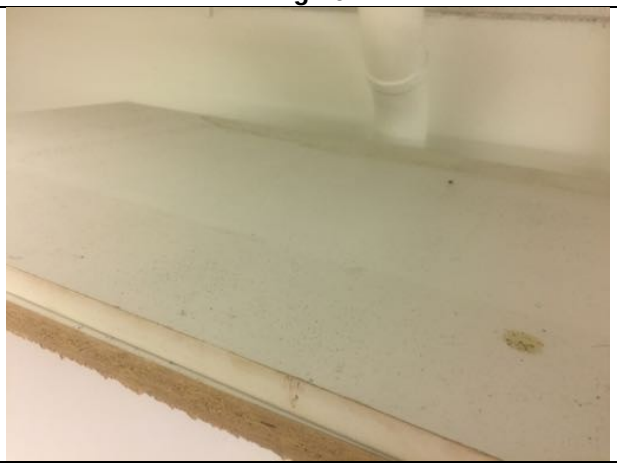
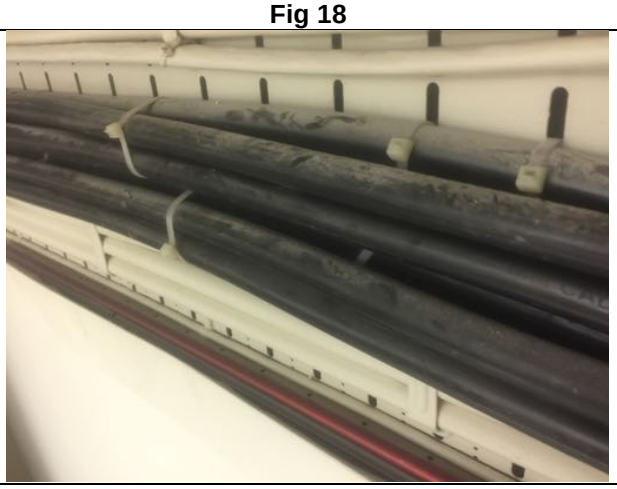
Fig 15	Fig 16
	
Fig 17	**Fig 18**
	
Fig 19	**Fig 20**
	

Fig 21	Fig 22

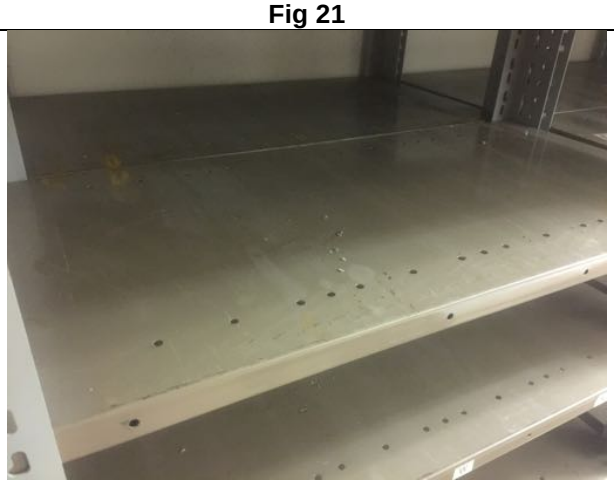
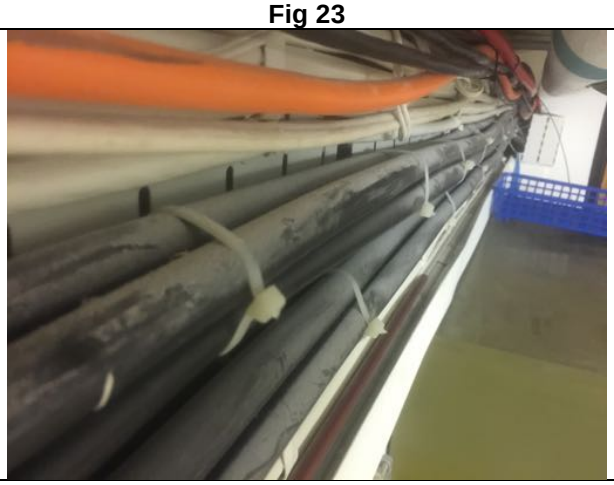



Fig 23	**Fig 24**
	

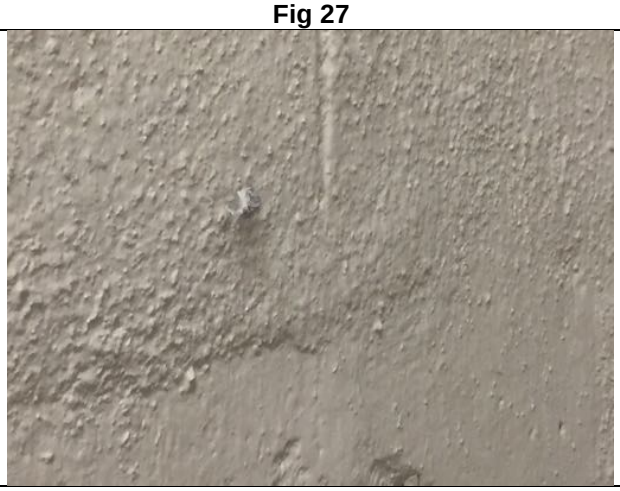
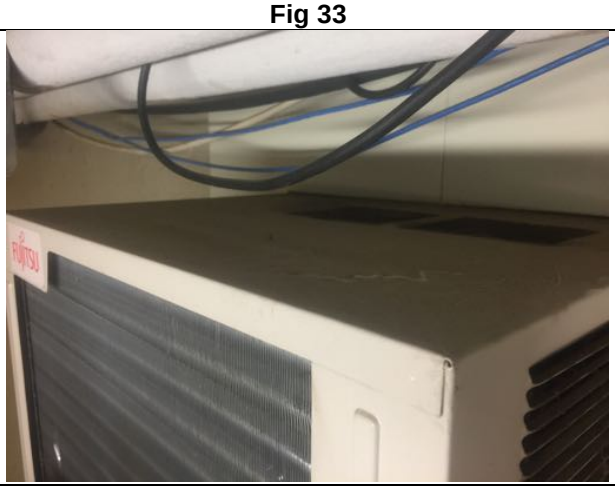
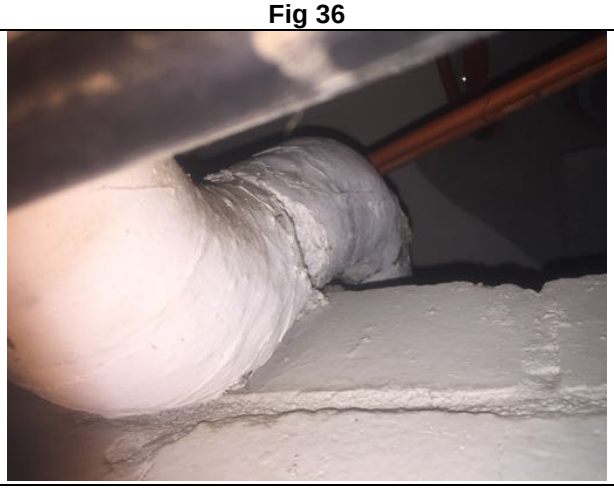
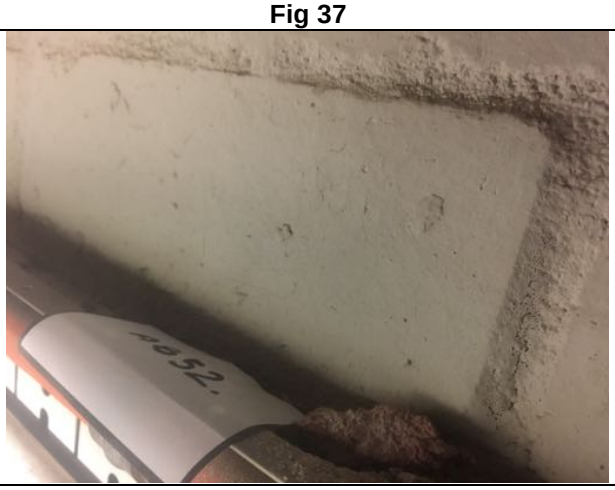
Works to be undertaken	
Corridor	
Fig 26	**Fig 27**
	
Fig 28	**Fig 29**
	
Fig 30	**Fig 31**
	

Fig 32	Fig 33
	
Fig 34	**Fig 35**
	
Fig 36	**Fig 37**
	

Room B1	
Fig 38	**Fig 39**
	
Fig 40	**Fig 41**

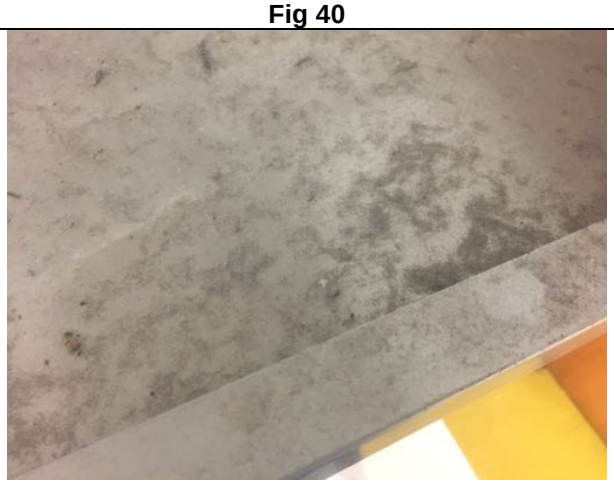
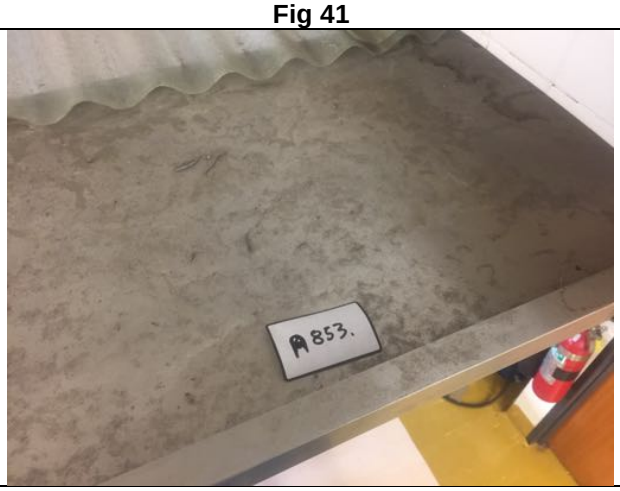
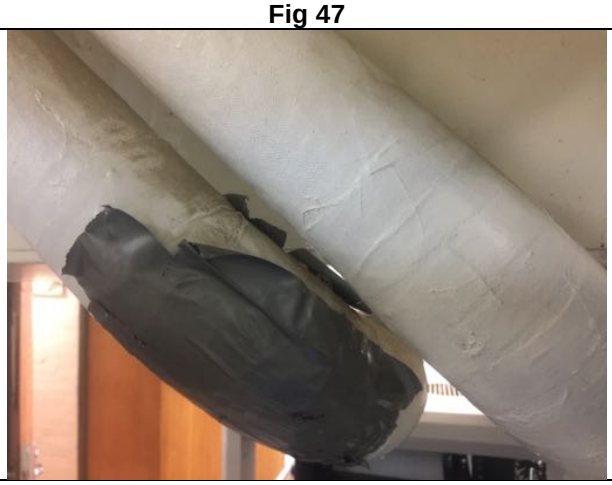
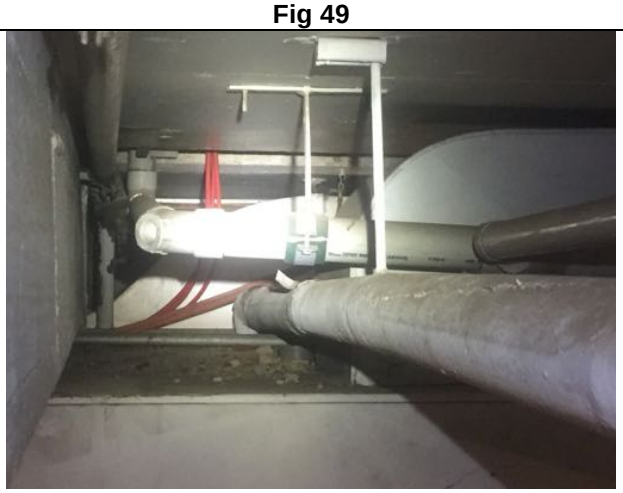

	

Fig 42	**Fig 43**
	

Fig 44	Fig 45
	

Room B5	
Fig 46	
	

Room B7	
Fig 47	
	

Room B2	
Fig 48	**Fig 49**
	
Fig 50	**Fig 51**
	
Fig 52	**Fig 53**
	

Room B3	
Fig 54	**Fig 55**
	
Fig 56	**Fig 57**

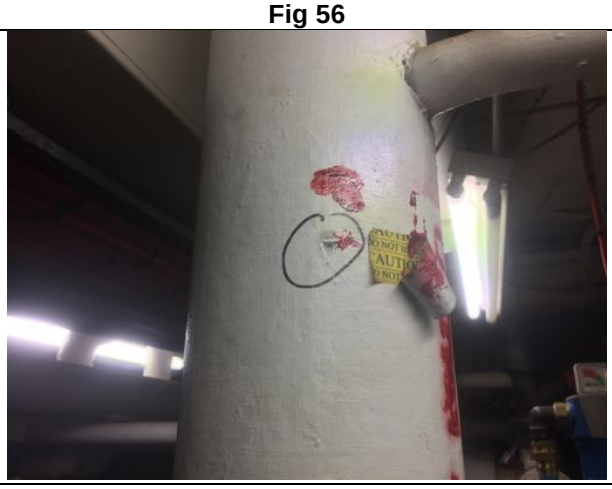
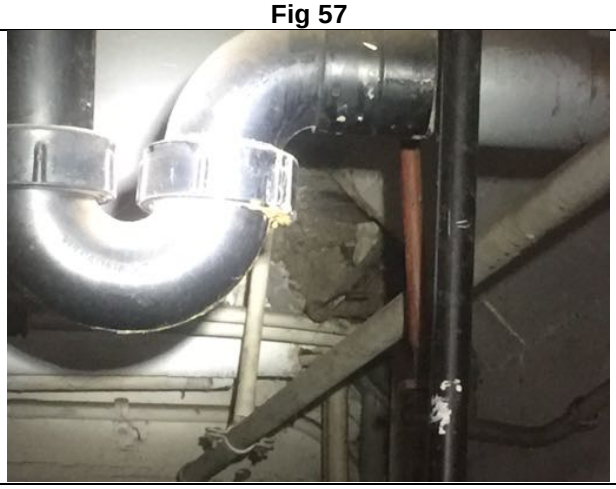
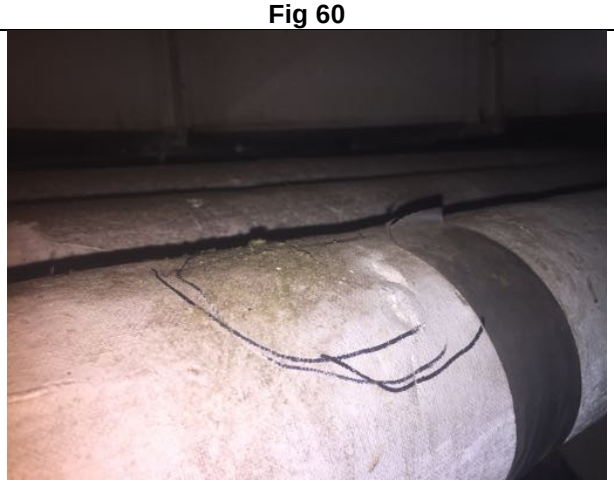
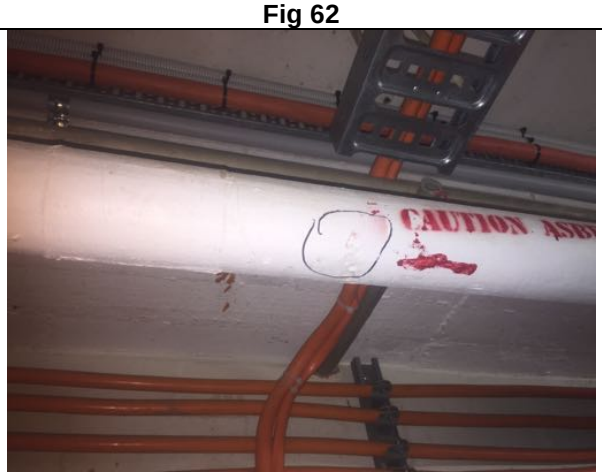
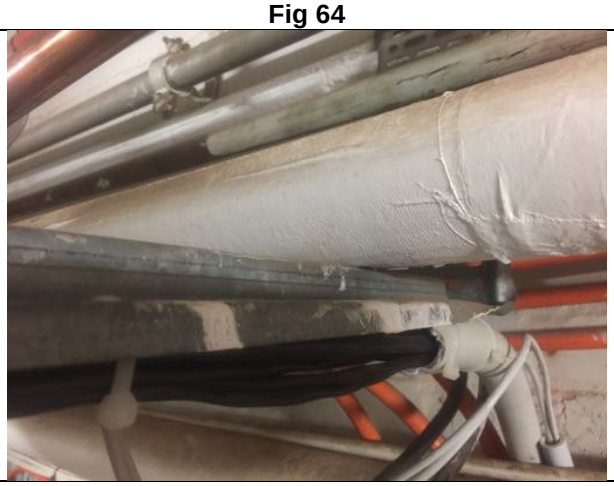

	

Fig 58	**Fig 59**
	

Fig 60	Fig 61
	

Room B10	
Fig 62	Fig 62
	
Fig 64	Fig 65
	

ASBESTOS CONSULTANTS
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ABN 16 002 158 465
Asbestos Assessor Class A

Sample Analysis Report

(NOT FOR CONSTRUCTION)

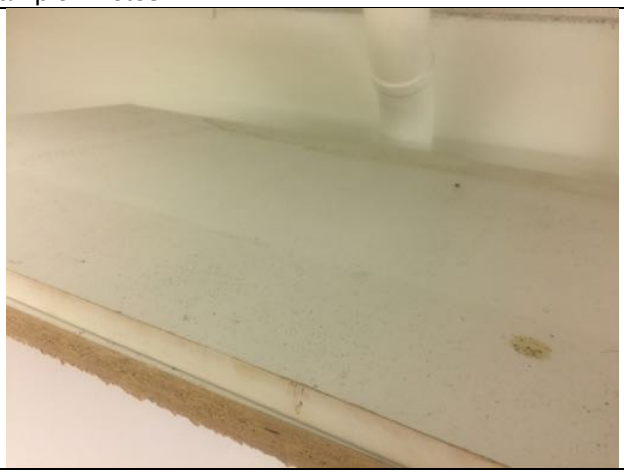
Report No :	06032017-01	
Address:	Jaeger Building 1, Building 61 ANU Action ACT	
Prepared & Approved By :	B.Williams LAA000169	
Date of Sampling:	March 6th 2017	

Dear Sir/ Madam

Re: Asbestos Identification Report at: Jaeger Building 1, Building 61 ANU Action ACT

Reference: 06032017-01

Sample Number				A806		
Date of Sampling				6/3/17		
Location of Sampling				**Dust off white cupboard**		
Sample Result				**No Asbestos detected in sampled area**		
Sample Risk Score				-		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations				**Due to other samples restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room**		
Sample Photos						



Sample Number				A807		
Date of Sampling				6/3/17		
Location of Sampling				**Dust off green cupboard**		
Sample Result				**No Asbestos detected in sampled area**		
Sample Risk Score				-		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations				**Due to other samples restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room**		
Sample Photos						

Sample Number				A808		
Date of Sampling				6/3/17		
Location of Sampling				**Dust & debris, cable tray**		
Sample Result				**Amosite Asbestos detected in sampled area**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	2	3	3	2	12	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room**		
Sample Photos						

Sample Number				A809		
Date of Sampling				6/3/17		
Location of Sampling				**Dust off air venting**		
Sample Result				**Amosite Asbestos detected in sampled area**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	2	3	3	2	12	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room**		
Sample Photos						

Sample Number				A810		
Date of Sampling				6/3/17		
Location of Sampling				**Dust off wooden cupboard**		
Sample Result				**No Asbestos detected in sampled area**		
Sample Risk Score				-		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations				**Due to other samples restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room**		
Sample Photos						

Sample Number				A811		
Date of Sampling				6/3/17		
Location of Sampling				**Dust off green shelving**		
Sample Result				**No Asbestos detected in sampled area**		
Sample Risk Score				-		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations				**Due to other samples restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room**		
Sample Photos						

Ben Williams
Manager
LAA000169

WSP | Parsons Brinckerhoff Australia Pty Limited

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Telephone +61 2 9272 1407
Facsimile +61 2 9272 5101
Email ANZLab@pbworld.com

ABN 80 078 004 798
NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION:	**Jaeger Building 1 ANU**	**CERTIFICATE NO:**	**ACT-2270186A-0015-60462**
CLIENT:	Asbestos Consultants & Removalists	DATE\S SAMPLED:	6/03/2017
CLIENT ADDRESS:	95 Combermere Street, Goulburn NSW 2580	DATE RECEIVED:	6/03/2017
TELEPHONE:	0433628157	DATE ANALYSED:	6/03/2017
EMAIL:	ben_williamsacr@hotmail.com	ORDER NUMBER:	NA
CONTACT:	Ben Williams	SAMPLED BY:	As Received

TEST METHOD: Qualitative identification of Asbestos fibre in bulk and soil samples at WSP Parsons Brinckerhoff Corporate Laboratories, by polarised light microscopy, including dispersion staining techniques using AS4964 (2004) and supplementary in house laboratory procedure (LP1 - Identification of Asbestos Fibres). This document is issued in accordance with NATA's requirements under NATA accreditation No. 17199, accredited for compliance with ISO/IEC: 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard.

Lab No	Sample ID	Location	Sample Description	Sample Dimensions	Identification Type
001	A806	Dust off white cupboard	Dust	10x5 cms	OF, SMF, NAD
002	A807	Dust off green cupboard	Dust	10x5 cms	OF, SMF, NAD
003	A808	Dust & debris, cable tray	Dust/Debris	10x5 cms	A, OF
004	A809	Dust off air venting	Dust	10x5 cms	A, OF
005	A810	Dust off wood cupboard	Dust	10x5 cms	OF, NAD
006	A811	Dust off green metal shelves	Dust	10x5 cms	OF, NAD

LEGEND:

NAD - No Asbestos Detected
CH - Chrysotile Asbestos Detected
A - Amosite Asbestos Detected
C - Crocidolite Asbestos Detected
UMF - Unknown Mineral Fibres Detected
SMF - Synthetic Mineral Fibres Detected
OF - Organic Fibres Detected

Hand picked refers to small discrete amounts of asbestos distributed unevenly in a large body of non asbestos material.

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Approved Identifier
Name: Laura Wilson

Approved Signatory
Name: Laura Wilson

AUTHORISATION DATE
6/03/2017

Notes:
If no asbestos is detected in vinyl tiles, mastics, sealants, epoxy resins and ore samples then confirmation by another independent analytical technique is advised due to the nature of the samples.
The results contained within this report relate only to the sample(s) submitted for testing.
PB accepts no responsibility for the initial collection, packaging or transportation of samples submitted by external persons. NATA does not accredit sampling. This document may not be reproduced except in full.

Page 1 of 1

FRETWOOD PTY LTD.
T/A Asbestos Consultants & Removalist
Licence No NSW LAA 000169
ABN 16 002 158 465.

Ben Williams
(Manager)
0433 628 157
ben_williamsacr@hotmail.com

95 Combermere St
Goulburn
NSW 2580

Licence No. NSW LAA000169

Air Monitoring Report.

Dear Sir/ Madam.

Re: Room B6 Jaeger Building 1, Building 1 ANU Acton ACT
Ref: 06032017-01
Date: March 6, 2017

BACKGROUND:

Occupation air monitoring was conducted as part of the asbestos inspection in room B6/B4a Jaeger Building ANU.

AIR MONITORING:

Explanatory Note on Interpreting the Atmospheric Results

Information in the Air Monitoring Report has been produced in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)]

All information & measurements contained in the report have been produced as a result of air monitoring undertaken on site by a Licenced Asbestos Assessor or Experienced Competent personnel in accordance with the WHS Act 2011.

Air sampling involves drawing a set rate of air through a membrane filter over a set period. Airborne particles are collected & the filter is then prepared for examination under a microscope by a registered NATA accredited laboratory. All fibres that conform to specified criteria are analysed, even though they may not be asbestos.

Air monitoring also collects dust particles and synthetic fibres

The total number of fibres counted is divided by the volume of air sampled to determine the fibre concentration in terms of fibres per millilitre of air (fibres/ml).

The concentration of fibres is expressed as fibres per millilitre of air, this calculated using the fibre counts, field counts, volume sampled and microscope instrumentation. Calculated results that are obtained are respirable fibres and are usually expressed as fibres counted per 100 fields.

A result of less than 10 fibres per 100 fields of view is reported as <0. 01 fibres/ml, which is dependent upon the volume of air sampled.

A result of up to 10 fibres per 100 fields or 0.01 fibres/ml is considered to be the normal background level.If the reported concentration is less than <0.01 fibres/ml then this indicates a negligible risk from airborne respirable asbestos fibres in the areas tested at the time of testing. 0.01 fibres/ml represents a concentration that is ten times below WorkSafe Australia's recommended Exposure Standard for all forms of asbestos of 0.1 fibres/ml [Exposure Standards for Atmospheric Contaminants in the Occupational Environment" May 1995 (amended 2003)].

As required under the *Work Health and Safety Regulation 2011* air monitoring was conducted to determine airborne asbestos fibre concentrations during the bonded asbestos removal works.

Air monitoring, fibre counting and calculation and reporting of results were conducted in accordance with the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*2.

A NATA Accredited Laboratory conducted the fibre counting results are attached to this report and summarised below;

Monitoring Lot ACT-2270186A-0015-60456					
No	**Date**	**Location of Monitor**	**Fibers Counted**	**Concentration of Fibers (fibers/mL)**	**Comments**
CV538459	6/3/17	Centre of room B6	0	**<0.01**	Control measures effective Area to remain restricted until remediation works & environmental clean completed.
CV538432	6/3/17	In hallway outside room B4a door	0	**<0.01**	Control measures effective

Ben Williams

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ABN 80 078 004 798

NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION:	**Jaeger Building 1**	**CERTIFICATE NO:**	**ACT-2270186A-0015-60456**
CLIENT:	Asbestos Consultants & Removalists	DATE\S SAMPLED:	6/03/2017
CLIENT ADDRESS:	95 Combermere Street, Goulburn NSW 2580	DATE RECEIVED:	6/03/2017
TELEPHONE:	0433628157	DATE ANALYSED:	6/03/2017
EMAIL:	ben_williamsacr@hotmail.com	ORDER NUMBER:	NA
CONTACT:	Ben Williams	SAMPLED BY:	As Received

TEST METHOD: Filters examined at WSP Parsons Brinckerhoff's Sydney Laboratory in accordance with N.O.H.S.C (April 2005) Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, WSP Parsons Brinckerhoff's Laboratory Procedure (LP2 Counting of Asbestos Fibre) and NATA Accreditation No:17199.
This document is issued in accordance with NATA's requirements under NATA accreditation No. 17199, accredited for compliance with ISO/IEC: 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard.

Lab No	Sample ID	Location	Results (Fibres/Field)
Background:			
001	CV538459	Center of room B6	0.0 / 100
002	CV538432	In hallway, outside room B4a door	0.0 / 100

NB: If the fibre count is less than 10 fibres per 100 fields then the count is not significantly above that of background. Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust. [N.O.H.S.C.:3033 (2005)]

Volume measurement performed by Client, therefore not covered by scope of accreditation.

Volume of samples are outside the parameters set out in the Code.

NATA ACCREDITED FOR TECHNICAL COMPETENCE

Approved Counter
Name: Sapna Dutta

Approved Signatory
Name: Laura Wilson

AUTHORISATION DATE

Monday, 6 March 2017

ASBESTOS CONSULTANTS
Email: ben_williamsacr@hotmail.com Web: www.asbestosconsultants.com.au
Licence No NSW#LAA000169
ABN 16 002 158 465
Asbestos Assessor Class A

Sample Analysis Report

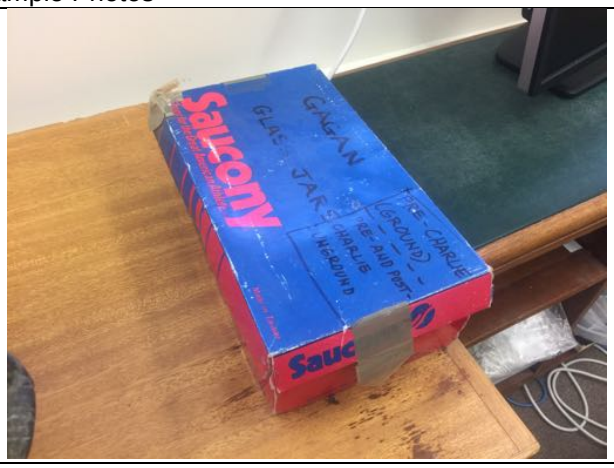
(NOT FOR CONSTRUCTION)

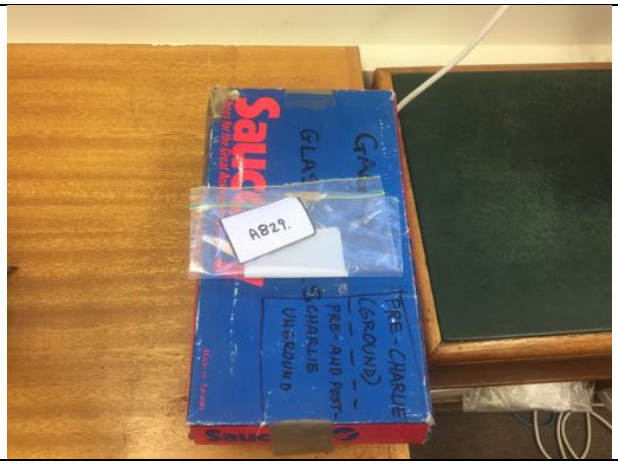
Report No :	09032017-01	
Address:	Jaeger Building 1, Building 61 ANU Acton ACT	
Prepared & Approved By :	B.Williams LAA000169	
Date of Sampling:	March 9, 2017	

Dear Sir/ Madam

Re: Asbestos Identification Report at: Jaeger Building 1, Building 61 ANU Acton ACT
Reference: 09032017-01

Sample Number			A829			
Date of Sampling			9th March 2017			
Location of Sampling			**Room G22 Dust off shoe box.**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						





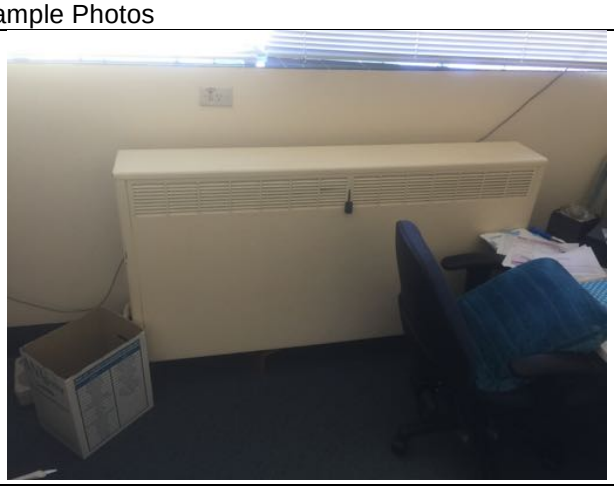
Sample Number			A830			
Date of Sampling			9th March 2017			
Location of Sampling			**Room G22 Dust off stored**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A831			
Date of Sampling			9th March 2017			
Location of Sampling			**Room G22 tape off old box**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A832			
Date of Sampling			9th March 2017			
Location of Sampling			**Room G14 Dust off boxes "Berdin"**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A833			
Date of Sampling			9th March 2017			
Location of Sampling			**Room G14 Dust off boxes "Sumba"**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A834			
Date of Sampling			9th March 2017			
Location of Sampling			**Room G13 Dust Behind Heater**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						



Sample Number			A835			
Date of Sampling			9th March 2017			
Location of Sampling			**Room L29 Dust off boxes "homeshop"**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations						
Sample Photos						

Sample Number			A836			
Date of Sampling			9th March 2017			
Location of Sampling			**Room L29 dust off tubes**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A837			
Date of Sampling			9th March 2017			
Location of Sampling			**Black Mountain Dust off tubes "BL04"**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A838			
Date of Sampling			9th March 2017			
Location of Sampling			**Black Mountain Dust off tubes "NS09"**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A839			
Date of Sampling			9th March 2017			
Location of Sampling			**Black Mountain Dust off tubes grey**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number			A840			
Date of Sampling			9th March 2017			
Location of Sampling			**Black Mountain Dust off boxes "Gagan"**			
Sample Result			**No Asbestos Detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Nil**			
Sample Photos						

Sample Number				A841		
Date of Sampling				9th March 2017		
Location of Sampling				**Room B4a dust behind cupboard "Gagan"**		
Sample Result				**Amosite Asbestos detected in sampled area**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	2	3	3	2	12	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room** **Refer to report 06032017-01**		
Sample Photos						
						
						

Sample Number				A840		
Date of Sampling				9th March 2017		
Location of Sampling				**Room B4a dust on floor between cupboard & shelves**		
Sample Result				**Amosite Asbestos detected in sampled area**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	2	3	3	2	12	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room** **Refer to report 06032017-01**		
Sample Photos						
						

Sample Number				A840		
Date of Sampling				9th March 2017		
Location of Sampling				**Room B4a dust cupboard "Gagan Field Gear"**		
Sample Result				**Amosite Asbestos detected in sampled area**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	2	3	3	2	12	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room** **Refer to report 06032017-01**		
Sample Photos						

Ben Williams
Manager

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Email ANZLab@pbworld.com

ABN 80 078 004 798
NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION: **Jaeger Building ANU**

CERTIFICATE NO: **ACT-2270186A-0015-60660**

CLIENT:	Asbestos Consultants & Removalists	DATE\S SAMPLED:	9/03/2017
CLIENT ADDRESS:	95 Combermere Street, Goulburn NSW 2580	DATE RECEIVED:	9/03/2017
TELEPHONE:	0433628157	DATE ANALYSED:	9/03/2017
EMAIL:	ben_williamsacr@hotmail.com	ORDER NUMBER:	NA
CONTACT:	Ben Williams	SAMPLED BY:	As Received

TEST METHOD: Qualitative identification of Asbestos fibre in bulk and soil samples at WSP Parsons Brinckerhoff Corporate Laboratories, by polarised light microscopy, including dispersion staining techniques using AS4964 (2004) and supplementary in house laboratory procedure (LP1 - Identification of Asbestos Fibres). This document is issued in accordance with NATA's requirements under NATA accreditation No. 17199, accredited for compliance with ISO/IEC: 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard.

Lab No	Sample ID	Location	Sample Description	Sample Dimensions	Identification Type
001	A829	Room G22, dust, shoe box	Dust	10x5 cms	OF, NAD
002	A830	Room G22, dust, stove boxes	Dust	10x5 cms	OF, NAD
003	A831	Room G22, tape off old box	Tape	5x40 cms	OF, NAD
004	A832	Room G14, dust, boxes "Berdin"	Dust	10x5 cms	OF, NAD
005	A833	Room G14, dust, boxes "Sumba"	Dust	10x5 cms	OF, NAD
006	A834	Room G13, dust behind heater	Dust	10x5 cms	OF, NAD
007	A835	Room L29, dust boxes "Homeshop"	Dust	10x5 cms	OF, NAD
008	A836	Room L29, dust, tubes	Dust	10x5 cms	OF, NAD
009	A837	BLK MT, dust, tubes "BL04"	Dust	10x5 cms	OF, NAD
010	A838	BLK MT, dust, tubes "NS09"	Dust	10x5 cms	OF, NAD
011	A839	BLK MT, dust off tubes, grey	Dust	10x5 cms	OF, NAD
012	A840	BIL MT, dust off boxes "Gagan"	Dust	10x5 cms	OF, NAD

LEGEND:

NAD - No Asbestos Detected
CH - Chrysotile Asbestos Detected
A - Amosite Asbestos Detected
C - Crocidolite Asbestos Detected
UMF - Unknown Mineral Fibres Detected
SMF - Synthetic Mineral Fibres Detected
OF - Organic Fibres Detected

Hand picked refers to small discrete amounts of asbestos distributed unevenly in a large body of non asbestos material.

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Approved Identifier
Name: Laura Wilson-Dennis

Approved Signatory
Name: Laura Wilson-Dennis

AUTHORISATION DATE
9/03/2017

Notes:
If no asbestos is detected in vinyl tiles, mastics, sealants, epoxy resins and ore samples then confirmation by another independent analytical technique is advised due to the nature of the samples.
The results contained within this report relate only to the sample(s) submitted for testing.
PB accepts no responsibility for the initial collection, packaging or transportation of samples submitted by external persons. NATA does not accredit sampling. This document may not be reproduced except in full.

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Email ANZLab@pbworld.com

ABN 80 078 004 798
NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION: **Jaeger Building ANU** **CERTIFICATE NO:** **ACT-2270186A-0015-60660**

Lab No	Sample ID	Location	Sample Description	Sample Dimensions	Identification Type
013	A841	Room B4a, dust behind cupboard "Gagan"	Dust	10x5 cms	A, OF
014	A842	Room B4a, dust, floor between cupboard and shelves	Dust	10x5 cms	A, OF
015	A843	Room B4a, dust, cupboard "Gagen field gear"	Dust	10x5 cms	A, OF

LEGEND:

NAD	-	No Asbestos Detected
CH	-	Chrysotile Asbestos Detected
A	-	Amosite Asbestos Detected
C	-	Crocidolite Asbestos Detected
UMF	-	Unknown Mineral Fibres Detected
SMF	-	Synthetic Mineral Fibres Detected
OF	-	Organic Fibres Detected

Hand picked refers to small discrete amounts of asbestos distributed unevenly in a large body of non asbestos material.

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Notes:
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Approved Identifier
Name: Laura Wilson-Dennis

Approved Signatory
Name: Laura Wilson-Dennis

AUTHORISATION DATE
9/03/2017

Email: ben_williamsacr@hotmail.com Web: www.asbestosconsultants.com.au
Licence No NSW#LAA000169
ABN 16 002 158 465
Asbestos Assessor Class A

Sample Analysis Report

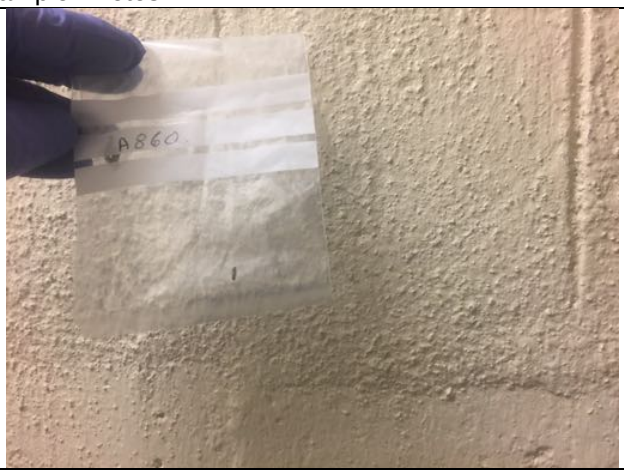
(NOT FOR CONSTRUCTION)

Report No :	14032017-01	
Address:	Jaeger Building 1 Basement Acton ANU	
Prepared & Approved By :	B.Williams LAA000169	
Date of Sampling:	14th & 15th March 2017	

Dear Sir/ Madam

Re: Asbestos Identification Report at: Jaeger Building 1 Basement

Reference: 15032017-01

Sample Number			A850			
Date of Sampling			14/3/17			
Location of Sampling			Corridor penetration debris, B10			
Sample Result			**No asbestos detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Due to other samples restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**			
Sample Photos						
						

Sample Number			A851			
Date of Sampling			14/3/17			
Location of Sampling			Corridor dust on AC units, B12			
Sample Result			**No asbestos detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Due to other samples restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**			
Sample Photos						
						

Sample Number				A852		
Date of Sampling				14/3/17		
Location of Sampling				Corridor, dust, cable tray, B5		
Sample Result				**Amosite asbestos detected**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	3	3	3	2	13	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation in room** **Environmental clean of entire room**		
Sample Photos						
						

Sample Number				A853		
Date of Sampling				14/3/17		
Location of Sampling				Room B1, dust below double pipes		
Sample Result				**Amosite asbestos detected**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	3	3	3	2	13	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**		
Sample Photos						
						

Sample Number			A854			
Date of Sampling			14/3/17			
Location of Sampling			Room B1, dust, First Aid Cabinet			
Sample Result			**Amosite asbestos detected**			
Sample Risk Score			High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	3	3	3	2	13	A1
Comments & Recommendations			**Restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**			
Sample Photos						
						

Sample Number			A855			
Date of Sampling			14/3/17			
Location of Sampling			Room B1, dust off CPU 7PBC24J			
Sample Result			**No asbestos detected in sampled area**			
Sample Risk Score			-			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-
Comments & Recommendations			**Due to other samples restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**			
Sample Photos						
						

Sample Number				A856		
Date of Sampling				15/3/17		
Location of Sampling				**B2 Dust above door**		
Sample Result				**Amosite asbestos detected**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	3	3	3	2	13	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**		
Sample Photos						
						

Sample Number				A857		
Date of Sampling				15/3/17		
Location of Sampling				**B3 cable tray above door**		
Sample Result				**Amosite asbestos detected**		
Sample Risk Score				High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions		
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	3	3	3	2	13	A1
Comments & Recommendations				**Restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**		
Sample Photos						
						

Sample Number	A858
Date of Sampling	15/3/17
Location of Sampling	**B3 dust below compressed air unit**
Sample Result	**Amosite asbestos detected**
Sample Risk Score	High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions

Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	3	3	3	2	13	A1

Comments & Recommendations	**Restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**
Sample Photos	

Sample Number	A859
Date of Sampling	15/3/17
Location of Sampling	**B10 Dust on water tank**
Sample Result	**No Asbestos detected in sampled area**
Sample Risk Score	-

Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
-	-	-	-	-	-	-

Comments & Recommendations	**Due to other samples restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**
Sample Photos	

Sample Number			A860			
Date of Sampling			15/3/17			
Location of Sampling			**B10 dust on cable trays**			
Sample Result			**Amosite asbestos detected**			
Sample Risk Score			High Risk- Restrict access, Manage and Remove Under Fully Controlled Conditions			
Asbestos Fibre Type	**Surface Treatment**	**Product Type**	**Extent of Damage**	**Likelihood of Disturbance**	**Risk**	**Action Rating**
2	3	3	3	2	13	A1
Comments & Recommendations			**Restrict access** **Removal or repairs of pipe insulation.** **Environmental clean of area**			
Sample Photos						

Ben Williams
Manager

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ABN 80 078 004 798
NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION:	**Jaegar Building 1 Basement**	**CERTIFICATE NO:**	**ACT-2270186A-0015-60980**
CLIENT:	Asbestos Consultants & Removalists	DATE\S SAMPLED:	14/03/2017
CLIENT ADDRESS:	95 Combermere Street, Goulburn NSW 2580	DATE RECEIVED:	14/03/2017
TELEPHONE:	0433628157	DATE ANALYSED:	15/03/2017
EMAIL:	ben_williamsacr@hotmail.com	ORDER NUMBER:	NA
CONTACT:	Ben Williams	SAMPLED BY:	As Received

TEST METHOD: Qualitative identification of Asbestos fibre in bulk and soil samples at WSP Parsons Brinckerhoff Corporate Laboratories, by polarised light microscopy, including dispersion staining techniques using AS4964 (2004) and supplementary in house laboratory procedure (LP1 - Identification of Asbestos Fibres). This document is issued in accordance with NATA's requirements under NATA accreditation No. 17199, accredited for compliance with ISO/IEC: 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard.

Lab No	Sample ID	Location	Sample Description	Sample Dimensions	Identification Type
001	A850	Corridor penetration debris, B10	Debris	1.6 gm	OF, NAD
002	A851	Corridor dust on AC units, B12	Dust	1.8 gm	OF, SMF, NAD
003	A852	Corridor, dust, cable tray, B5	Dust	10x5 cms	A, OF
004	A853	Room B1, dust below double pipes	Dust	10x5 cms	A, OF, SMF
005	A854	Room B1, dust, First Aid Cabinet	Dust	10x5 cms	A, OF, SMF
006	A855	Room B1, dust off CPU 7PBC24J	Dust	10x5 cms	OF, NAD

LEGEND:

NAD - No Asbestos Detected
CH - Chrysotile Asbestos Detected
A - Amosite Asbestos Detected
C - Crocidolite Asbestos Detected
UMF - Unknown Mineral Fibres Detected
SMF - Synthetic Mineral Fibres Detected
OF - Organic Fibres Detected

Hand picked refers to small discrete amounts of asbestos distributed unevenly in a large body of non asbestos material.

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Approved Identifier
Name: Laura Wilson-Dennis

Approved Signatory
Name: Laura Wilson-Dennis

AUTHORISATION DATE
15/03/2017

Notes:
If no asbestos is detected in vinyl tiles, mastics, sealants, epoxy resins and ore samples then confirmation by another independent analytical technique is advised due to the nature of the samples.
The results contained within this report relate only to the sample(s) submitted for testing.
PB accepts no responsibility for the initial collection, packaging or transportation of samples submitted by external persons. NATA does not accredit sampling. This document may not be reproduced except in full.

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ABN 80 078 004 798
NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION:	**Jaegar Building 1 Basement**	**CERTIFICATE NO:**	**ACT-2270186A-0015-61072**
CLIENT:	Asbestos Consultants & Removalists	DATE\S SAMPLED:	15/03/2017
CLIENT ADDRESS:	95 Combermere Street, Goulburn NSW 2580	DATE RECEIVED:	15/03/2017
TELEPHONE:	0433628157	DATE ANALYSED:	15/03/2017
EMAIL:	ben_williamsacr@hotmail.com	ORDER NUMBER:	NA
CONTACT:	Ben Williams	SAMPLED BY:	As Received

TEST METHOD: Qualitative identification of Asbestos fibre in bulk and soil samples at WSP Parsons Brinckerhoff Corporate Laboratories, by polarised light microscopy, including dispersion staining techniques using AS4964 (2004) and supplementary in house laboratory procedure (LP1 - Identification of Asbestos Fibres). This document is issued in accordance with NATA's requirements under NATA accreditation No. 17199, accredited for compliance with ISO/IEC: 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard.

Lab No	Sample ID	Location	Sample Description	Sample Dimensions	Identification Type
001	A856	B2 Dust above door	Dust	7x2.5 cms	A, OF
002	A857	B3 Cable tray above door dust	Dust	7x2.5 cms	A, CH, OF
003	A858	B3 Dust below Compressed Air Unit	Dust	7x2.5 cms	A, CH, OF
004	A859	B10 Dust on water tank	Dust	7x2.5 cms	OF, SMF, NAD
005	A860	B10 Dust on cable trays	Dust	7x2.5 cms	A, OF

LEGEND:

NAD	-	No Asbestos Detected
CH	-	Chrysotile Asbestos Detected
A	-	Amosite Asbestos Detected
C	-	Crocidolite Asbestos Detected
UMF	-	Unknown Mineral Fibres Detected
SMF	-	Synthetic Mineral Fibres Detected
OF	-	Organic Fibres Detected

Hand picked refers to small discrete amounts of asbestos distributed unevenly in a large body of non asbestos material.

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Approved Identifier
Name: Laura Wilson-Dennis

Approved Signatory
Name: Laura Wilson-Dennis

AUTHORISATION DATE
15/03/2017

Notes:
If no asbestos is detected in vinyl tiles, mastics, sealants, epoxy resins and ore samples then confirmation by another independent analytical technique is advised due to the nature of the samples.
The results contained within this report relate only to the sample(s) submitted for testing.
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NSW 2580

Licence No. NSW LAA000169

Air Monitoring Report.

Dear Sir/ Madam.

Re: Room B6 Jaeger Building 1, Building 1 ANU Acton ACT
Ref: 15032017-01
Date: March 14, 2017

BACKGROUND:

Occupation air monitoring was conducted as part of the asbestos inspection the basement areas of Jaeger Building 1 ANU.

AIR MONITORING:

Explanatory Note on Interpreting the Atmospheric Results

Information in the Air Monitoring Report has been produced in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)]

All information & measurements contained in the report have been produced as a result of air monitoring undertaken on site by a Licenced Asbestos Assessor or Experienced Competent personnel in accordance with the WHS Act 2011.

Air sampling involves drawing a set rate of air through a membrane filter over a set period. Airborne particles are collected & the filter is then prepared for examination under a microscope by a registered NATA accredited laboratory. All fibres that conform to specified criteria are analysed, even though they may not be asbestos.

Air monitoring also collects dust particles and synthetic fibres

The total number of fibres counted is divided by the volume of air sampled to determine the fibre concentration in terms of fibres per millilitre of air (fibres/ml).

The concentration of fibres is expressed as fibres per millilitre of air, this calculated using the fibre counts, field counts, volume sampled and microscope instrumentation. Calculated results that are obtained are respirable fibres and are usually expressed as fibres counted per 100 fields.

A result of less than 10 fibres per 100 fields of view is reported as <0. 01 fibres/ml, which is dependent upon the volume of air sampled.

A result of up to 10 fibres per 100 fields or 0.01 fibres/ml is considered to be the normal background level.If the reported concentration is less than <0.01 fibres/ml then this indicates a negligible risk from airborne respirable asbestos fibres in the areas tested at the time of testing. 0.01 fibres/ml represents a concentration that is ten times below WorkSafe Australia's recommended Exposure Standard for all forms of asbestos of 0.1 fibres/ml [Exposure Standards for Atmospheric Contaminants in the Occupational Environment" May 1995 (amended 2003)].

As required under the *Work Health and Safety Regulation 2011* air monitoring was conducted to determine airborne asbestos fibre concentrations during the bonded asbestos removal works.

Air monitoring, fibre counting and calculation and reporting of results were conducted in accordance with the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*2.

A NATA Accredited Laboratory conducted the fibre counting results are attached to this report and summarised below;

Monitoring Lot ACT-2270186A-0015-60973					
No	**Date**	**Location of Monitor**	**Fibers Counted**	**Concentration of Fibers (fibers/mL)**	**Comments**
CU538463	14/3/17	Room B2	0	**<0.01**	Control measures effective Area to remain restricted until remediation works & environmental clean completed.
CU538441	14/3/17	Corridor exit Room B12	0	**<0.01**	Control measures effective Area to remain restricted until remediation works & environmental clean completed.
CU538429	14/3/17	On Compressed Air Unit Room B3	0	**<0.01**	Control measures effective Area to remain restricted until remediation works & environmental clean completed.
CU538428	14/3/17	Corridor on first aid cabinet	1	**<0.01**	Control measures effective Area to remain restricted until remediation works & environmental clean completed.

Ben Williams

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ABN 80 078 004 798

NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION: **Jaegar Building 1 Basement**

CERTIFICATE NO: **ACT-2270186A-0015-60973**

CLIENT:	Asbestos Consultants & Removalists	DATE\S SAMPLED:	14/03/2017
CLIENT ADDRESS:	95 Combermere Street, Goulburn NSW 2580	DATE RECEIVED:	14/03/2017
TELEPHONE:	0433628157	DATE ANALYSED:	15/03/2017
EMAIL:	ben_williamsacr@hotmail.com	ORDER NUMBER:	NA
CONTACT:	Ben Williams	SAMPLED BY:	As Received

TEST METHOD: Filters examined at WSP Parsons Brinckerhoff's Sydney Laboratory in accordance with N.O.H.S.C (April 2005) Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, WSP Parsons Brinckerhoff's Laboratory Procedure (LP2 Counting of Asbestos Fibre) and NATA Accreditation No:17199.
This document is issued in accordance with NATA's requirements under NATA accreditation No. 17199, accredited for compliance with ISO/IEC: 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard.

Lab No	Sample ID	Location	Results (Fibres/Field)
Background:			
001	CU538463	Room B2	0.0 / 100
002	CU538441	Corridor exit, Room B12	0.0 / 100
003	CU538429	On Compressed Air Unit, Room B3	0.0 / 100
004	CU538428	Corridor, on First Aid cabinet	1.0 / 100

NB: If the fibre count is less than 10 fibres per 100 fields then the count is not significantly above that of background. Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust. [N.O.H.S.C.:3033 (2005)]

Volume measurement performed by Client, therefore not covered by scope of accreditation.

Volume of samples are outside the parameters set out in the Code.

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Approved Counter
Name: Laura Wilson-Dennis

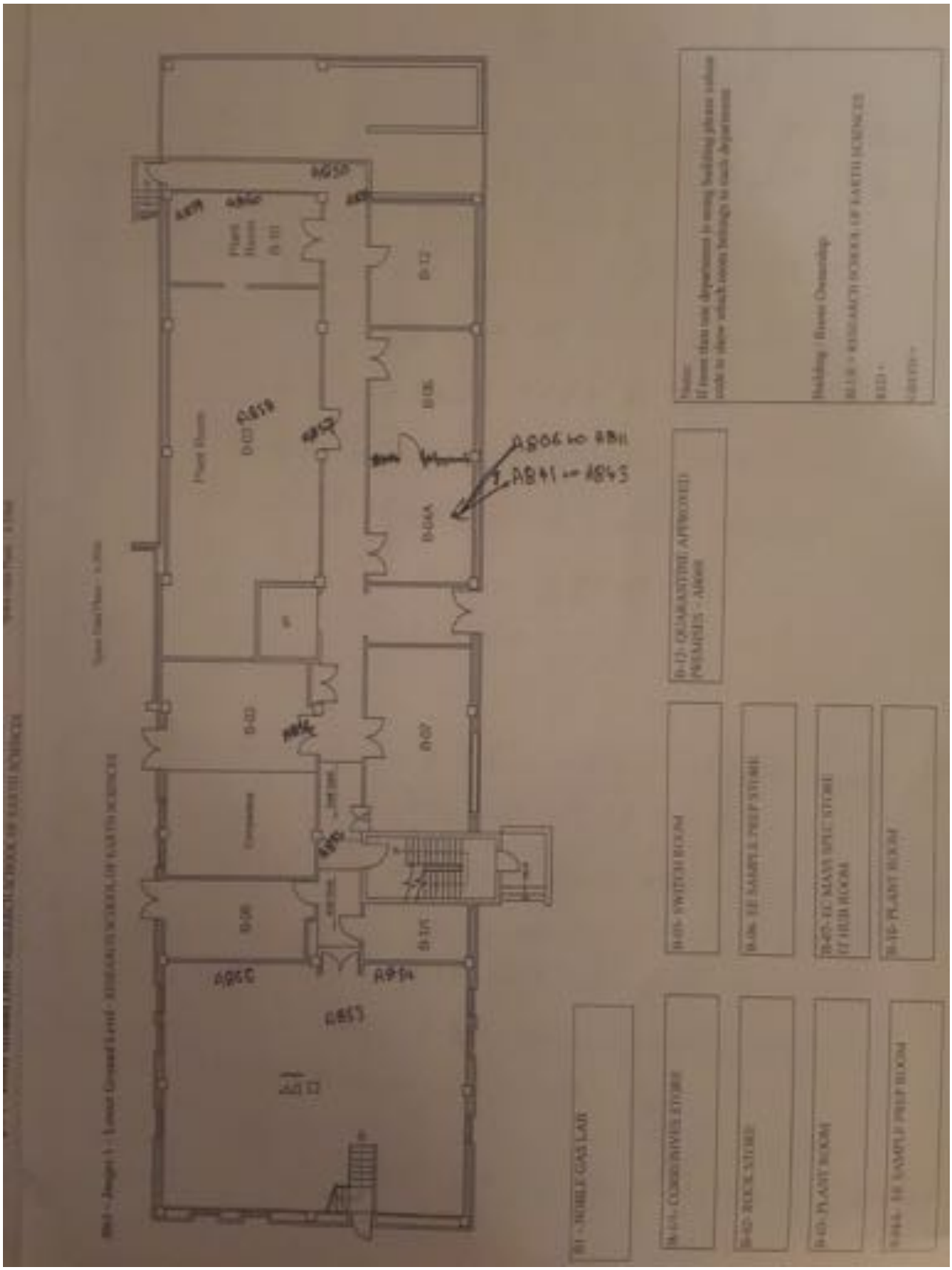
Approved Signatory
Name: Laura Wilson-Dennis

AUTHORISATION DATE

Wednesday, 15 March 2017

Appendix A

Sample Register Floor Plan



Pipe lagging issues site note floor plan