

Certificate of Analysis

Environment Testing

Douglas Partners (Syd) 96 Hermitage Road West Ryde NSW 2114



NATA Accredited Accreditation Number 1261 Site Number 18217

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

685026-AFC
GOULBURN HOSPITAL
SYD191088.P003
Oct 29, 2019
Oct 29, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.





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> Project Name Project ID Date Sampled Report

GOULBURN HOSPITAL SYD191088.P003 Oct 28, 2019 685026-AFC

Result (Fibres/mL) < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 Result (Fibres/Fields) 0/100 0/100 0/100 0/100 0/100 0/100 0/100 0/100 End Flow Rate (L/min) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 Start Flow Rate (L/min) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 16:16 16:29 16:26 16:19 End (time) 16:24 16:22 16:17 16:21 11:10 11:15 11:19 Start (time) 10:50 10:56 11:00 11:27 11:30 PEDESTRIAN ENTRY NEAR BH64 VEHICLE ENTRY NEAR BH80 FENCE ADJ NORTH BH44 FENCE ADJ BH43 FENCE ADJ BH20 FENCE ADJ BH12 FENCE ADJ BH75 FENCE ADJ BH53 Location Pump ID **DP10** DP19 DP15 DP20 DP06 DP18 DP04 DP11 Client Sample ID CO865556 CO865430 CO865427 CO865404 CO865625 CO865478 CO865462 CO865572 Eurofins Sample No. 19-Oc43779 19-Oc43780 19-Oc43782 19-Oc43783 19-Oc43785 19-Oc43781 19-Oc43784 19-Oc43786

Page 2 of 8 Report Number: 685026-AFC





NATA Accredited Accreditation Number 1261 Site Number 13217 Accredited for compliance with ISO/IEC 17025-Testing The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/hational standards.

-			
Result (Fibres/mL	0.01	< 0.01	I
Result (Fibres/Fields)	17.5/100	0/100	0/100
End Flow Rate (L/min)	2.0	2.0	I
Start Flow Rate (L/min)	2.0	2.0	I
End (time)	16:35	16:42	I
Start (time)	11:35	12:30	I
Location	INTERIOR LUNCH ROOM	WALKWAY ADJ NORTH LUNCHROOM	BLANK
Pump ID	DP05	DP12	BLANK
Client Sample ID	CO865469	CO865227	CO901467
Eurofins Sample No.	19-Oc43787	19-Oc43788	19-Oc43789



Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Oct 29, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Oct 29, 2019	Indefinite



Environment Testingan - 50 005 521 Banal : Envissaes@eurdins.com web : www.eurdins.com.au

Melbourne 6 Monterey Road Dandenong South VIC 3175 Dandenong 3 South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:in QLD 4172 Phone: + +61 7 3902 4600 NATA # 1261 Site # 20794

Oct 29, 2019 10:26 AM Oct 29, 2019 Same day Priority: Contact Name:

Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd)

Company Name:

Address:

96 Hermitage Road

West Ryde NSW 2114

Eurofins Analytical Services Manager :

	Asbestos (concentration of fibres in air)		×					×	×	×	×	×	×	×	×
							LAB ID	S19-Oc43779	S19-Oc43780	S19-Oc43781	S19-Oc43782	S19-Oc43783	S19-Oc43784	S19-Oc43785	S19-Oc43786
		71					Matrix	Air							
HOSPITAL P003	nple Detail	# 1254 & 142	8217	20794	36		Sampling Time	4:29PM	4:26PM	4:24PM	4:22PM	4:21PM	4:19PM	4:17PM	4:16PM
GOULBURN SYD191088.I	Sar	ry - NATA Site	- NATA Site # 18	/ - NATA Site #	IATA Site # 237		Sample Date	Oct 28, 2019							
iject Name: iject ID:		ourne Laborato	ey Laboratory	ane Laboratory	Laboratory - N	rnal Laboratory	Sample ID	CO865427	CO865556	CO865404	CO865625	CO865430	CO865478	CO865462	CO865572
Pro		Melb	Sydn	Brish	Perth	Exter	No	1	2	3	4	5	6	7	~

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×

S19-Oc43787

Air

Oct 28, 2019 4:35PM

CO865469

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Address:

West Ryde NSW 2114

Eurofins Analytical Services Manager :

Pro	oject Name: oject ID:	GOULBURN SYD191088.1	HOSPITAL P003				
		S	mple Detail			Asbestos (concentration of fibres in air)	
Melb	ourne Laborato	ry - NATA Site	# 1254 & 142	12			
Sydr	ney Laboratory -	NATA Site # 18	8217			×	
Brist	bane Laboratory	- NATA Site #	20794				
Perth	h Laboratory - N	ATA Site # 237	36				
10	CO865227	Oct 28, 2019	4:42PM	Air	S19-Oc43788	×	
11	CO901467	Oct 28, 2019		Air	S19-Oc43789	×	
Test	Counts					7	



Internal Quality Control Review and Glossary

General

1. QC data may be available on request.

- 2. All soil results are reported on a dry basis, unless otherwise stated.
- 3. Samples were analysed on an 'as received' basis.
- 4. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- 5. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w weight for weight b	asis	grams per kilogram
Filter loading:		fibres/100 graticule areas
Reported Concentration:		fibres/mL
Flowrate:		L/min
Terms		
Dry	Sample is dried by heating prior to analysis	
LOR	Limit of Reporting	
COC	Chain of Custody	
SRA	Sample Receipt Advice	
ISO	International Standards Organisation	
AS	Australian Standards	
WA DOH	Reference document for the NEPM. Government of Western Austra Sites in Western Australia (2009), including supporting document F	alia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Recommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)
NEPM	National Environment Protection (Assessment of Site Contamination	on) Measure, 2013 (as amended)
ACM	Asbestos Containing Materials. Asbestos contained within a non-a: NEPM, ACM is generally restricted to those materials that do not p	sbestos matrix, typically presented in bonded and/or sound condition. For the purposes of the ass a 7mm x 7mm sieve.
AF	Asbestos Fines. Asbestos containing materials, including friable, w equivalent to "non-bonded / friable".	eathered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as
FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or materials that do not pass a 7mm x 7mm sieve.	severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those
Friable	Asbestos-containing materials of any size that may be broken or cr outside of the laboratory's remit to assess degree of friability.	umbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is
Trace Analysis	Analytical procedure used to detect the presence of respirable fibre	es in the matrix.



Comments

Volume Measurement : **Example**, Douglas Partners (Syd), has been trained by Eurofins and they conducted the sampling in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]methodology. Sampling pumps used by Douglas Partners (Syd) were calibrated by Eurofins | mgt and therefore volume measurements contained in this report are traceable back to Eurofins | mgt. Eurofins | mgt are responsible for all data contained in this report.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Senior Analyst-Asbestos (NSW)

Authorised by:

Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the cient, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet leadelines and to be troduction arising from the sequence decept in tail and relates only to the ferms tested.



37 Kensington Street East Perth, WA 6004 +61 8 9225 5810 ABN 65 133 060 787



Accreditation No. 20283 Site No. 24180 Accredited for compliance with ISO/IEC 17025 - Testing

Laboratory Report

Client:	Eurofins Mgt
Client address:	6 Monterey Road, DANDENONG SOUTH VIC 3175
Job number:	19_1868
Revision No.	0
Lab ID:	19_1868_01
Client ID:	CO865469 (S19-Oc44406)
Date received:	30/10/19
Date analysed:	01/11/19
Date reported:	01/11/19
Analysis:	Fibre characterisation by scanning electron microscopy (SEM) with elemental analysis by energy
	dispersive spectroscopy (EDS)

Executive summary

The sample was determined to **not contain** asbestos mineral fibre.

Sample preparation

The sampling was not conducted by Microanalysis Australia staff. The sample was supplied to Microanalysis Australia as a loaded 25 mm diameter MCE membrane. The membrane had been cut prior to receipt and only half was received.

A representative wedge-shaped sub-sample was cut from the filter membrane of about $1/6^{th}$ of the total membrane size. The sub-sample was placed on top of a double-sided carbon tab before being coated with approximately 10 nm of carbon. Non-conducting samples require coating prior to SEM analysis to prevent charging whilst being analysed by the electron beam.

Analysis

The SEM/EDS analysis was conducted in accordance with ISO14966-2002 (modified for non-gold coated MCE membranes) and VDI3492-2004.

The sample was analysed using a Carl Zeiss EVO50 scanning electron microscope (SEM) fitted with an Oxford INCA X-Max energy dispersive spectrometer (EDS).

EDS is a semi-quantitative technique (at best) on well prepared, optically flat samples. Factors such as sample unevenness may adversely bias elemental concentration interpretation. EDS has a spatial resolution of ~5 μ m meaning spectra from particles less than this size may contain elemental concentrations biased by their surroundings.

All images were acquired using backscatter electrons. Image brightness is proportional to average atomic number – the brighter the pixel, the higher the atomic number of the element.

Summary

Following NOHSC:3003 "The Membrane Filter Method" (2005), a fibre is countable if its diameter is < 3 μ m and its length is > 5 μ m and has an aspect ratio of greater than 3 to 1. Following the DMP document "Management of Asbestos in Mining Operations" page 3, referencing Section 9.33.3 of Mines, Safety and Inspection Regulations 1995, a fibre is countable if its diameter is < 1 μ m and its length is > 5 μ m. For the purposes of this analysis the NOHSC document definition has been used.

A total of **100** images/fields were examined. Each field was approximately 70 μ m by 55 μ m - a total area of 3.85 x 10⁻³ mm².

In the **100** images/fields examined, a total of **less than 3** countable fibres were observed. **None of the observed countable fibres had an elemental composition indicative of asbestos mineral fibre.**

A selection of images/fields and associated elemental spectra are reported below. The fields are not representative of the 100 fields analysed. Asbestos mineral fibre or other inorganic mineral fibre has been preferentially shown.

Fibre	Image/F	Diameter	Length	Aspect	Major			Assigned
#	ield #	(µm)	(µm)	ratio	Elements	Minor Elements	Morphology	mineralogy
1	1/1	1.9	30.1	16 :1	0, C	-	Non-parallel sides	Organic
2	2/1	1.2	2.5	2 :1	0, Ti	-	Non-parallel sides	Rutile
3	3/1	0.5	2.6	5 :1	O, Si, Al	Fe, Mg, K	Non-parallel sides	Mica
4	4/1	1.2	5.5	5 :1	0, C	-	Non-parallel sides	Organic
5	5/1	0.8	3.1	4 :1	O, Ca, C	-	Non-parallel sides	Calcite

It should be noted that the higher resolution of the SEM may increase the number of fibres observed when compared with optical microscopy (as specified in the Membrane Filter Method). The results are representative only of the sample received.

Analyst: Sandy Lam, B.Sc.(Multidisciplinary)

- Reported: Sandy Lam, B.Sc.(Multidisciplinary)
- Authorised: Nimue Pendragon, B.Sc. (Nanotechnology)

Project: 19_1868 Owner: lab Site: Site of Interest 1



20µm

Electron Image 1



Project: 19_1868 Owner: lab Site: Site of Interest 2



20µm



Project: 19_1868 Owner: lab Site: Site of Interest 3



20µm



Project: 19_1868 Owner: lab Site: Site of Interest 4



20µm



Project: 19_1868 Owner: lab Site: Site of Interest 5



20µm





Certificate of Analysis

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Attention:	
Report	686151-V2-AFC
Project Name	GOULBURN
Project ID	94054
Received Date	Nov 04, 2019
Date Reported	Nov 05, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.





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> Project Name Project ID Date Sampled Report

94054 Nov 01, 2019 686151-V2-AFC

GOULBURN

Eurofins Sample No.	Client Sample ID	Pump ID	Location	Start (time)	End (time)	Start Flow Rate (L/min)	End Flow Rate (L/min)	Result (Fibres/Fields)	Result (Fibres/mL)
19-No04350	BH53-SW	DP10	BOUNDARY FENCE	8:05	10:10	4.0	4.0	0/100	< 0.01
19-No04351	BH53-NW	DP19	BOUNDARY FENCE	8:06	10:11	4.0	4.0	0/100	< 0.01
19-No04352	BH53-N	DP11	PICKET	8:07	10:12	4.0	4.0	0/100	< 0.01
19-No04353	BH53-E	DP18	PICKET	8:09	10:40	4.0	4.0	0/100	< 0.01
19-No04354	BH53-S	DP20	PICKET	8:10	10:45	4.0	4.0	0/100	< 0.01
19-No04355	BH53-CLR	DP12	PICKET	8:50	11:10	4.0	4.0	0/100	< 0.01
19-No04356	BH56-SE	DP04	TEMP FENCE OUTSIDE SITE OFFICE	9:10	11:18	4.0	4.0	0/100	< 0.01
19-No04357	BH56-W	DP15	PICKET	60:6	11:16	4.0	4.0	0/100	< 0.01

Page 2 of 8 Report Number: 686151-V2-AFC





NATA Accredited Accreditation Number 1261 Site Number 13217 Accredited for compliance with ISO/IEC 17025-Testing The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/hational standards.

Result (Fibres/mL)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Result (Fibres/Fields)	0/100	0/100	0/100	0/100	0/100	0/100	0/100	0/100	0/100	0/100	0/100
End Flow Rate (L/min)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Start Flow Rate (L/min)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
End (time)	11:18	12:55	15:50	15:29	12:39	13:50	15:30	15:59	14:26	15:40	15:36
Start (time)	9:10	10:50	10:13	10:14	10:15	11:25	11:30	11:35	11:41	13:10	13:11
Location	PICKET	PICKET	PICKET	BOUNDARY FENCE	BOUNDARY FENCE	STAR PICKET	STAR PICKET	VEHICLE ENTRY	STAR PICKET	FENCE TEMP	FENCE TEMP
Pump ID	DP05	DP18	DP10	DP19	DP11	DP20	DP12	DP05	DP04	DP11	DP15
Client Sample ID	BH56-E	BH56-CLR	BH44-S	ВН44-Е	BH44-N	BH44-CLR	BH-65-W	BH-65-E	BH-65-N	BH-65-S	BH-65-SW
Eurofins Sample No.	19-No04358	19-No04359	19-No04360	19-No04361	19-No04362	19-No04363	19-No04364	19-No04365	19-No04366	19-No04367	19-No04368



Sample History

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Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Nov 04, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Nov 04, 2019	Indefinite



Environment Testingan - 60 006 085 521 Banal : Envissaes@eurdins.com web : www.eurdins.com.au

 Melbourne
 Melbourne

 6 Monterey Road
 5 Monterey Road

 Dandenong South VIC 3175
 9 South VIC 3175

 Danden - +61 3 8564 5000
 NATA # 1261

 NATA # 1261
 Site # 1254 & 14271

Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdale WA 6105 Phone : +61 8 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:in QLD 4172 Phone: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 4, 2019 3:22 PM Nov 4, 2019 Same dav Priority: Contact Name: Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd)

Company Name:

Address:

96 Hermitage Road

West Ryde NSW 2114

Eurofins Analytical Services Manager :

	Asbestos (concentration of fibres in air)		×					×	×	×	×	×	×	×	×	×
							LAB ID	S19-No04350	S19-No04351	S19-No04352	S19-No04353	S19-No04354	S19-No04355	S19-No04356	S19-No04357	S19-No04358
		71					Matrix	Air								
	mple Detail	# 1254 & 142	8217	20794	36		Sampling Time	10:10AM	10:11AM	10:12AM	10:40AM	10:45AM	11:10AM	11:18AM	11:16AM	11:18AM
GOULBURN 94054	ŝ	ry - NATA Site	NATA Site #1	- NATA Site #	ATA Site # 237		Sample Date	Nov 01, 2019								
iject Name: iject ID:		ourne Laborato	ey Laboratory -	ane Laboratory	Laboratory - N	nal Laboratory	Sample ID	BH53-SW	BH53-NW	BH53-N	BH53-E	BH53-S	BH53-CLR	BH56-SE	BH56-W	BH56-E
Pro		Melb	Sydn	Brish	Perth	Exter	No	1	8	3	4	5	9	7	8	6

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Douglas Partners (Syd) 96 Hermitage Road

Company Name:

Address:

NSW 2114 West Ryde

Eurofins Analytical Services Manager :

	Asbestos (concentration of fibres in air)		×			×	×	×	×	×	×	×	×	×	×	19
						S19-No04359	S19-No04360	S19-No04361	S19-No04362	S19-No04363	S19-No04364	S19-No04365	S19-No04366	S19-No04367	S19-No04368	
		271				Air										
	mple Detail	# 1254 & 14;	8217	20794	36	12:55PM	3:50PM	3:29PM	12:39PM	1:50PM	1:30PM	3:59PM	2:26PM	3:40PM	3:36PM	
GOULBURN 94054	ß	ry - NATA Site	NATA Site #1	- NATA Site #	ATA Site # 237	Nov 01, 2019										
iject Name: iject ID:		ourne Laborato	ey Laboratory -	ane Laboratory	Laboratory - N	BH56-CLR	BH44-S	BH44-E	BH44-N	BH44-CLR	BH-65-W	BH-65-E	BH-65-N	BH-65-S	BH-65-SW	Counts
Pro		Melb	Sydn	Brist	Perth	10	11	12	13	14	15	16	17	18	19	Test



Internal Quality Control Review and Glossary

General

1. QC data may be available on request.

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Kww weight or weight	Units		
Filer loading: fibre/100 gradicule areas Reported Concentration: fibre/s/L Reported Concentration: fibre/s/L Fibre/solution: L/min Fibre/solution: fibre/solution: Fibre/solution: Sale statistication: Fibre/solution: Sale statistin: <th>% w/w weight for weight ba</th> <th>sis</th> <th>grams per kilogram</th>	% w/w weight for weight ba	sis	grams per kilogram
Reported Concentration fibres/mL Flowrate: L/min Terms	Filter loading:		fibres/100 graticule areas
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	Trace Analysis	Analytical procedure used to detect the presence of respirable fibres	s in the matrix.



Comments

This report has been amended (V2) to amend sample names.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:



Senior Analyst-Asbestos (NSW)

Authorised by:

Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the c lent, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profiles, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in fuil and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.



Certificate of Analysis

Environment Testing

Douglas Partners (Syd) 96 Hermitage Road West Ryde NSW 2114



NATA Accredited Accreditation Number 1261 Site Number 18217

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

Attention:	
Report	686304-AFC
Project Name	GOULBURN HOSPITAL
Project ID	94054
Received Date	Nov 05, 2019
Date Reported	Nov 05, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.





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

GOULBURN HOSPITAL 94054 Date Sampled **Project Name** Project ID

Report

Oct 31, 2019 686304-AFC

ofins de No.	Client Sample ID	Pump ID	Location	Start (time)	End (time)	Start Flow Rate (L/min)	End Flow Rate (L/min)	Result (Fibres/Fields)	Result (Fibres/mL)
	INTERIOR EAST END LUNCHROOM	DP18	INTERIOR EAST END LUNCHROOM	11:06	14:00	4.0	4.0	18/100	0.01
(0	INTERIOR WEST END LUNCHROOM	DP19	INTERIOR WEST END LUNCHROOM	11:07	14:01	4.0	4.0	22/100	0.01
~	FIELD BLANK	BLANK	BLANK		1	I	I	0/100	I



Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Nov 05, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Nov 05, 2019	Indefinite



Environment Testing ABN - 50 005 085 521 Banal : Envirosaes@eurofins.com web : www.eurofins.com.au

Melbourne 6 Monterey Road Dandenong South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217 Sydney Unit F3, Building F 16 Mars Road

Perth 2/91 Leach Highway Kewdale WA 6105 Phone : +61 8 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Murarie QLD 4172 Phoner: +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 5, 2019 12:40 PM Nov 5, 2019 Same dav Contact Name:

Received:

Priority:

Order No.: Report #: Phone: Fax:

Due:

Eurofins Analytical Services Manager :

GOULBURN HOSPITAL NSW 2114

> Project Name: Project ID:

Douglas Partners (Syd)

Company Name:

Address:

96 Hermitage Road

West Ryde

94054

Sample Detail

Asbestos (concentration of fibres in air)

S19-No05636 Matrix Air Air Melbourne Laboratory - NATA Site # 1254 & 14271 Sampling Time 2:00PM 2:01PM Brisbane Laboratory - NATA Site # 20794 Sydney Laboratory - NATA Site # 18217 Perth Laboratory - NATA Site # 23736 Sample Date Oct 31, 2019 INTERIOR EAST END LUNCHROOM External Laboratory Sample ID ۶ 2

×

S19-No05635 Oct 31, 2019 INTERIOR WEST END LUNCHROOM

× × ო

S19-No05637

Air

FIELD BLANK Oct 31, 2019

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Test Counts

×



Internal Quality Control Review and Glossary

General

1. QC data may be available on request.

- 2. All soil results are reported on a dry basis, unless otherwise stated.
- 3. Samples were analysed on an 'as received' basis.
- 4. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- 5. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

	Units			
% w/w weight for weight basis			grams per kilogram	
	Filter loading:		fibres/100 graticule areas	
	Reported Concentration:		fibres/mL	
	Flowrate:		L/min	
	Terms			
	Dry	Sample is dried by heating prior to analysis		
	LOR	Limit of Reporting		
	COC	Chain of Custody		
	SRA	Sample Receipt Advice		
	ISO	International Standards Organisation		
	AS	Australian Standards		
	WA DOH	Reference document for the NEPM. Government of Western Austral Sites in Western Australia (2009), including supporting document R	lia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated ecommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)	
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	Trace Analysis	Analytical procedure used to detect the presence of respirable fibres	s in the matrix.	



Comments

Volume Measurement : **Example**, Douglas Partners (Syd), has been trained by Eurofins and they conducted the sampling in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]methodology. Sampling pumps used by Douglas Partners (Syd) were calibrated by Eurofins | mgt and therefore volume measurements contained in this report are traceable back to Eurofins | mgt. Eurofins | mgt are responsible for all data contained in this report.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Senior Analyst-Asbestos (NSW)

Authorised by:

Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the cient, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and to be inductive to a structure the structure to the interpretation of the lense tested.



Certificate of Analysis

Environment Testing

Douglas Partners (Syd) 96 Hermitage Road West Ryde NSW 2114



NATA Accredited Accreditation Number 1261 Site Number 18217

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

Attention:	
Report	686305-AFC
Project Name	GOULBURN HOSPITAL
Project ID	94054
Received Date	Nov 05, 2019
Date Reported	Nov 05, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.





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

Project NameGOULBURN HOSPITALProject ID94054Date SampledOct 31, 2019Report686305-AFC

Result (Fibres/mL) < 0.01 < 0.01 < 0.01 < 0.01 ł Result (Fibres/Fields) 1/100 0/100 2/100 0/100 0/100 End Flow Rate (L/min) 2.0 2.0 2.0 2.0 ł. Start Flow Rate (L/min) 2.0 2.0 2.0 2.0 ł. 14:05 14:02 14:03 14:04 End (time) ł. Start (time) 9:39 9:40 9:38 9:41 ł NW CNR LUNCHROOM SW CNR LUNCHROOM NE CNR LUNCHROOM SE CNR LUNCHROOM Location BLANK Pump ID BLANK DP15 DP11 DP05 DP04 NW CORNER LUNCHROOM Client Sample ID NE CORNER LUNCHROOM SE CORNER LUNCHROOM SW CORNER LUNCHROOM FIELD BLANK Eurofins Sample No. 19-No05639 19-No05643 19-No05640 19-No05642 19-No05641



Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Nov 05, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Nov 05, 2019	Indefinite



Environment Testingan - 60 006 085 521 Banal : Envissaes@eurdins.com web : www.eurdins.com.au

Melbourne 6 Monterey Road Dandenong South VIC 3175 Dandenong 3 South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:e QLD 4172 Phonen: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 5, 2019 12:40 PM Nov 5, 2019 Same dav Priority: Contact Name: Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd) 96 Hermitage Road

Company Name:

Address:

Eurofins Analytical Services Manager :

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Test Counts



Internal Quality Control Review and Glossary

General

1. QC data may be available on request.

- 2. All soil results are reported on a dry basis, unless otherwise stated.
- 3. Samples were analysed on an 'as received' basis.
- 4. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- 5. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

	Units			
% w/w weight for weight basis			grams per kilogram	
	Filter loading:		fibres/100 graticule areas	
	Reported Concentration:		fibres/mL	
	Flowrate:		L/min	
	Terms			
	Dry	Sample is dried by heating prior to analysis		
	LOR	Limit of Reporting		
	COC	Chain of Custody		
	SRA	Sample Receipt Advice		
	ISO	International Standards Organisation		
	AS	Australian Standards		
	WA DOH	Reference document for the NEPM. Government of Western Austral Sites in Western Australia (2009), including supporting document R	lia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated ecommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)	
	NEPM	N National Environment Protection (Assessment of Site Contamination) Measure, 2013 (as amended)		
	ACM	Asbestos Containing Materials. Asbestos contained within a non-as NEPM, ACM is generally restricted to those materials that do not pa	bestos matrix, typically presented in bonded and/or sound condition. For the purposes of the uss a 7mm x 7mm sieve.	
	AF	Asbestos Fines. Asbestos containing materials, including friable, we equivalent to "non-bonded / friable".	eathered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as	
	FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or materials that do not pass a 7mm x 7mm sieve.	severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those	
	Friable	Asbestos-containing materials of any size that may be broken or cru outside of the laboratory's remit to assess degree of friability.	umbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is	
	Trace Analysis	Analytical procedure used to detect the presence of respirable fibres	s in the matrix.	



Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Senior Analyst-Asbestos (NSW)

Authorised by:

Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the c lent, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates ony to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.



Certificate of Analysis

Douglas Partners (Syd) 96 Hermitage Road West Ryde NSW 2114

Attention:	
Report	686443-AFC
Project Name	GOULBURN
Project ID	94054
Received Date	Nov 06, 2019
Date Reported	Nov 06, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.



Environment Testing

NATA Accredited Accreditation Number 1261 Site Number 18217

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




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Mulululu

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

Date Sampled Project Name Project ID Report

Nov 05, 2019 GOULBURN 686443-AFC 94054

Result (Fibres/mL) < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 ł Result (Fibres/Fields) 0/100 0/100 0/100 0/100 0/100 0/100 End Flow Rate (L/min) 2.0 2.0 2.0 2.0 4.0 ł Start Flow Rate (L/min) 4.0 2.0 2.0 2.0 2.0 ł 13:48 13:49 13:50 14:05 13:52 End (time) ł 11:40 Start (time) 7:03 7:05 7:02 6:55 ł **TRUCK TURN** EXCAVATOR LONG WALL Location FENCE FENCE BLANK Pump ID BLANK **DP10** DP11 DP05 DP20 DP04 Client Sample ID FIELD BLANK BH67-CLR BH67-SW BH67-SE **BH67-W** BH67-N Eurofins Sample No. 19-No06673 19-No06675 19-No06676 19-No06672 19-No06674 19-No06671

Page 2 of 6 Report Number: 686443-AFC



Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Nov 06, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Nov 06, 2019	Indefinite



Environment Testingan - 60 006 085 521 Banal : Envissaes@eurdins.com web : www.eurdins.com.au

Melbourne 6 Monterey Road Dandenong South VIC 3175 Dandenong 3 South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:e QLD 4172 Phonen: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 6, 2019 10:01 AM Nov 6, 2019 Same dav

Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd) 96 Hermitage Road

Company Name:

Address:

West Ryde NSW 2114

Priority: Contact Name:

Eurofins Analytical Services Manager :

	Asbestos (concentration of fibres in air)		×					×	×	×	×	×	×	9
							LAB ID	S19-No06671	S19-No06672	S19-No06673	S19-No06674	S19-No06675	S19-No06676	
		71					Matrix	Air	Air	Air	Air	Air	Air	
	mple Detail	# 1254 & 142	8217	20794	36		Sampling Time	1:48PM	1:49PM	1:50PM	1:52PM	2:05PM		
GOULBURN 94054	Sa	ry - NATA Site	NATA Site # 1	- NATA Site #	ATA Site # 237		Sample Date	Nov 05, 2019						
iject Name: iject ID:		ourne Laborato	ey Laboratory -	ane Laboratory	Laboratory - N	nal Laboratory	Sample ID	BH67-N	BH67-SW	BH67-SE	BH67-W	BH67-CLR	FIELD BLANK	Counts
Pro Pro		Melb	Sydn	Brisb	Perth	Exter	No	1	2	e	4	5	9	Test



Internal Quality Control Review and Glossary

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Kww weight or weight	Units		
Filer loading: fibre/100 gradicule areas Reported Concentration: fibre/s/L Reported Concentration: fibre/s/L Fibre/solution: L/min Fibre/solution: fibre/solution: Fibre/solution: Sale statistication: Fibre/solution: Sale statistin: <th>% w/w weight for weight ba</th> <th>sis</th> <th>grams per kilogram</th>	% w/w weight for weight ba	sis	grams per kilogram
Reported Concentration fibres/mL Flowrate: L/min Terms	Filter loading:		fibres/100 graticule areas
Floorate: L/min Terms Sample is died by heating prior to analysis LOR Lind Reporting LOR Lind Reporting COC Ona of Custody Statu Sample Receip Advice LOR International Standards Organisation SA Austaina Standards VA DOH Reference document for the NEPM. Government of Western Australia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Bio Western Australia (2009), including supporting document affectoreurs of Laboratory Analysis of Asbestos Install (2011) NEPM Reference document for the NEPM. Government of Western Australia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Bio Western Australia (2009), including supporting document affectoreurs of Laboratory Analysis of Asbestos Install (2011) NEPM Aisota Environment Protection (Assessment of Ste Contamination) Measure 2013 (Sta mender) Arg. Abestos Containing Materials, Asbestos contained within a non-abestos matrix, typically presented in andora, Stepeer Considered and the none abestos Arg. Abestos Containing materials, including finible, weathered and bonded materials, abel to pass a Timm x Timm sieve. France Biosa Asbestos containing materials, including resported materials, abel to pass a Timm x Timm sieve. France Biosa Asbestos containing materials, including resported materials, abel to pass a Timm x Timm sieve. Frabel Abestos containing materials, includin	Reported Concentration:		fibres/mL
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	Trace Analysis	Analytical procedure used to detect the presence of respirable fibres	s in the matrix.



Comments

Volume Measurement : Tim Kulmar, Douglas Partners (Syd), has been trained by Eurofins and they conducted the sampling in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]methodology. Sampling pumps used by Douglas Partners (Syd) were calibrated by Eurofins | mgt and therefore volume measurements contained in this report are traceable back to Eurofins | mgt. Eurofins | mgt are responsible for all data contained in this report.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Senior Analyst-Asbestos (NSW)

Authorised

Sayeed Abu

Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the c lent, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates ony to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.



Certificate of Analysis

Douglas Partners (Syd) 96 Hermitage Road West Ryde NSW 2114

Attention:	
Report	686445-AFC
Project Name	GOULBURN
Project ID	94054
Received Date	Nov 06, 2019
Date Reported	Nov 06, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.



Environment Testing

NATA Accredited Accreditation Number 1261 Site Number 18217

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





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

Project Name	GOULBURN
Project ID	94054
Date Sampled	Nov 04, 2019
Report	686445-AFC

				-					
Eurofins Sample No.	Client Sample ID	Pump ID	Location	Start (time)	End (time)	Start Flow Rate (L/min)	End Flow Rate (L/min)	Result (Fibres/Fields)	Result (Fibres/mL)
19-No06682	BH65-SE	DP20	GH02	7:19	16:01	2.0	2.0	4/100	< 0.01
19-No06683	BH65-NE	DP12	GH01	7:18	16:07	2.0	2.0	0/100	< 0.01
19-No06684	BH65/66-S	DP11	P66	7:21	16:02	2.0	2.0	4/100	< 0.01
19-No06685	BH66-S	DP18	GH03	7:22	16:03	2.0	2.0	0/100	< 0.01
19-No06686	BH67-SW	DP05	P50	7:14	16:04	2.0	2.0	2.5/100	< 0.01
19-No06687	BH67-N	DP19	N	7:16	16:06	2.0	2.0	1/100	< 0.01
19-No06688	BH65/66-CLR	DP04	GH06	8:14	12:40	4.0	4.0	0/100	< 0.01
19-No06689	BH56-E	DP15	GH07	11:51	16:05	4.0	4.0	0/100	< 0.01





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Location	ump ID Location	ID Location
GHO5	DP10 GHO5	3H66-CLR DP10 GHO5



Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Nov 06, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Nov 06, 2019	Indefinite



Environment Testingan - 60 006 085 521 Banal : Envissaes@eurdins.com web : www.eurdins.com.au

Melbourne 6 Monterey Road Dandenong South VIC 3175 Dandenong 3 South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217 Sydney Unit F3, Building F 16 Mars Road

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:e QLD 4172 Phonen: + +61 7 3902 4600 NATA # 1261 Site # 20794

Priority: Contact Name: Received: Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd)

Company Name:

Address:

96 Hermitage Road

West Ryde NSW 2114

Nov 6, 2019 10:01 AM Nov 6, 2019 Same dav

Eurofins Analytical Services Manager :

	Asbestos (concentration of fibres in air)		×					×	×	×	×	×	×	×	×	×
	CANCELLED		×													
							LAB ID	S19-No06682	S19-No06683	S19-No06684	S19-No06685	S19-No06686	S19-No06687	S19-No06688	S19-No06689	S19-No06690
		71					Matrix	Air								
	n ple Detail	# 1254 & 142	3217	20794	36		Sampling Time	4:01PM	4:07PM	4:02PM	4:03PM	4:04PM	4:06PM	12:40PM	4:05PM	4:15PM
GOULBURN 94054	Sar	ry - NATA Site	NATA Site # 18	- NATA Site #	ATA Site # 237		Sample Date	Nov 04, 2019								
oject Name: oject ID:		ourne Laborato	ey Laboratory -	ane Laboratory	Laboratory - N	rnal Laboratory	Sample ID	BH65-SE	BH65-NE	BH65/66-S	BH66-S	BH67-SW	BH67-N	BH65/66-CLR	BH56-E	BH66-CLR
Pro		Melb	Sydn	Brist	Perth	Exter	No	-	2	3	4	5	9	7	8	6



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Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:e QLD 4172 Phonen: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 6, 2019 10:01 AM Nov 6, 2019 Same dav Priority: Contact Name:

Received:

Due:

Order No.:

Douglas Partners (Syd) 96 Hermitage Road

Company Name:

Eurofins Analytical Services Manager :

Address:	96 Hermitage Road West Ryde NSW 2114	σ				Ph. Fay	oort #: one: ::
Project Name: Project ID:	GOULBURN 94054						
	Sample	Detail			CANCELLED	Asbestos (concentration of fibres in air)	
Melbourne Laborato	ry - NATA Site # 125	4 & 1427	71				
Sydney Laboratory -	NATA Site # 18217				×	Х	
Brisbane Laboratory	- NATA Site # 20794	4					
Perth Laboratory - N.	ATA Site # 23736						
10 FIELD BLANK	Nov 04, 2019		Air	S19-No06691	×		
Test Counts					1	9	

Page 6 of 8 Report Number: 686445-AFC



Internal Quality Control Review and Glossary

General

1. QC data may be available on request.

- 2. All soil results are reported on a dry basis, unless otherwise stated.
- 3. Samples were analysed on an 'as received' basis.
- 4. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- 5. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units		
% w/w weight for weight ba	isis	grams per kilogram
Filter loading:		fibres/100 graticule areas
Reported Concentration:		fibres/mL
Flowrate:		L/min
Terms		
Dry	Sample is dried by heating prior to analysis	
LOR	Limit of Reporting	
COC	Chain of Custody	
SRA	Sample Receipt Advice	
ISO	International Standards Organisation	
AS	Australian Standards	
WA DOH	Reference document for the NEPM. Government of Western Austral Sites in Western Australia (2009), including supporting document R	lia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated ecommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)
NEPM	National Environment Protection (Assessment of Site Contamination	n) Measure, 2013 (as amended)
ACM	Asbestos Containing Materials. Asbestos contained within a non-as NEPM, ACM is generally restricted to those materials that do not pa	bestos matrix, typically presented in bonded and/or sound condition. For the purposes of the uss a 7mm x 7mm sieve.
AF	Asbestos Fines. Asbestos containing materials, including friable, we equivalent to "non-bonded / friable".	eathered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as
FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or materials that do not pass a 7mm x 7mm sieve.	severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those
Friable	Asbestos-containing materials of any size that may be broken or cru outside of the laboratory's remit to assess degree of friability.	umbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres	s in the matrix.



Comments

Volume Measurement : **Example**, Douglas Partners (Syd), has been trained by Eurofins and they conducted the sampling in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]methodology. Sampling pumps used by Douglas Partners (Syd) were calibrated by Eurofins | mgt and therefore volume measurements contained in this report are traceable back to Eurofins | mgt. Eurofins | mgt are responsible for all data contained in this report.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Senior Analyst-Asbestos (NSW)

Authorised by:

Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the cient, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet loadlines and to be include to the supples are exceeded.



Certificate of Analysis

Environment Testing

Douglas Partners (Syd) 96 Hermitage Road West Ryde NSW 2114



NATA Accredited Accreditation Number 1261 Site Number 18217

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

Attention:	
Report	687268-AFC
Project Name	GOULBURN HOSPITA
Project ID	94054
Received Date	Nov 11, 2019
Date Reported	Nov 11, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.





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

Project NameGOULBURN HOSPITALProject ID94054Date SampledNov 08, 2019Report687268-AFC

Result (Fibres/mL) < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 ł Result (Fibres/Fields) 4.5/100 0/100 0/100 0/100 0/100 0/100 0/100 1/100 End Flow Rate (L/min) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 ł. Start Flow Rate (L/min) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 ł. 14:45 14:40 14:43 End (time) 14:41 14:30 14:38 14:31 ł. Start (time) 9:26 9:26 9:22 9:24 7:32 8:58 7:30 ł. **BH71-NORTH** BH71-SOUTH **BH44-NORTH** BH71-EAST BH71-WEST BH44-EAST BH44-CLR Location BLANK Pump ID BLANK DP05 DP11 DP20 **DP10** DP18 DP04 DP12 Client Sample ID **BH71-NORTH** BH71-SOUTH FIELD BLANK **BH44-NORTH** BH71-EAST BH71-WEST BH44-EAST BH44-CLR Eurofins Sample No. 19-No13064 19-No13065 19-No13066 19-No13068 19-No13069 19-No13070 19-No13067 19-No13071





NATA Accredited Accreditation Number 1261 Site Number 13217 Accredited for compliance with ISO/IEC 17025-Testing The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/hational standards.

Eurofins Sample No.	Client Sample ID	Pump ID	Location	Start (time)	End (time)	Start Flow Rate (L/min)	End Flow Rate (L/min)	Result (Fibres/Fields)	Result (Fibres/mL)
19-No13072	BH44-SOUTH	DP15	BH44-SOUTH	7:34	14:33	2.0	2.0	4/100	< 0.01
19-No13073	BH44-WEST	DP19	BH44-WEST	7:36	14:35	2.0	2.0	0/100	< 0.01



Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Nov 11, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Nov 11, 2019	Indefinite



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Melbourne 6 Monterey Road Dandenong South VIC 3175 Dandenong 3 South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:in QLD 4172 Phone: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 11, 2019 9:00 AM Nov 11, 2019 Same day Priority: Contact Name:

Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd)

Company Name: Address:

96 Hermitage Road

West Ryde NSW 2114

Eurofins Analytical Services Manager :

	Asbestos (concentration of fibres in air)		×					×	×	×	×	×	×	×	×	×
							LAB ID	S19-No13064	S19-No13065	S19-No13066	S19-No13067	S19-No13068	S19-No13069	S19-No13070	S19-No13071	S19-No13072
		71					Matrix	Air	Air	Air	Air	Air	Air	Air	Air	Air
HOSPITAL	mple Detail	# 1254 & 142	8217	20794	36		Sampling Time	2:45PM	2:43PM	2:40PM	2:41PM		2:31PM	2:38PM	2:30PM	2:33PM
GOULBURN 94054	ŝ	ry - NATA Site	NATA Site # 1	/ - NATA Site #	ATA Site # 237		Sample Date	Nov 08, 2019	Nov 08, 2019	Nov 08, 2019	Nov 08, 2019	Nov 08, 2019	Nov 08, 2019	Nov 08, 2019	Nov 08, 2019	Nov 08, 2019
iject Name: iject ID:		ourne Laborato	ey Laboratory .	ane Laboratory	Laboratory - N	nal Laboratory	Sample ID	BH71-EAST	BH71-NORTH	BH71-SOUTH	BH71-WEST	FIELD BLANK	BH44-EAST	BH44-CLR	BH44-NORTH	BH44-SOUTH
Pro		Melb	Sydn	Brish	Perth	Exter	No	-	2	3	4	5	9	7	8	o



Environment Testingan - 50 005 025 521 Bamal: Envirosaes@eurofins.com web : www.eurofins.com.au

Melbourne 6 Monterey Road Dandenong South VIC 3175 Dandenong 3 South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:e QLD 4172 Phonen: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 11, 2019 9:00 AM Nov 11, 2019 Same dav Priority: Contact Name:

Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd) 96 Hermitage Road

Company Name: Address: West Ryde NSW 2114

Eurofins Analytical Services Manager :

Project Name: Project ID:	GOULBURN 94054	I HOSPITAL			
	ß	mple Detail			Asbestos (concentration of fibres in air)
Melbourne Laborato	ry - NATA Site	# 1254 & 142	11		
Sydney Laboratory	- NATA Site # 1	8217			×
Brisbane Laboratory	/ - NATA Site #	20794			
Perth Laboratory - N	ATA Site # 237	736			
10 BH44-WEST	Nov 08, 2019	2:35PM	Air	S19-No13073	×
Test Counts					10



Internal Quality Control Review and Glossary

General

1. QC data may be available on request.

- 2. All soil results are reported on a dry basis, unless otherwise stated.
- 3. Samples were analysed on an 'as received' basis.
- 4. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- 5. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units		
% w/w weight for weight ba	sis	grams per kilogram
Filter loading:		fibres/100 graticule areas
Reported Concentration:		fibres/mL
Flowrate:		L/min
Terms		
Dry	Sample is dried by heating prior to analysis	
LOR	Limit of Reporting	
COC	Chain of Custody	
SRA	Sample Receipt Advice	
ISO	International Standards Organisation	
AS	Australian Standards	
WA DOH	Reference document for the NEPM. Government of Western Austra Sites in Western Australia (2009), including supporting document Re	lia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated ecommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)
NEPM	National Environment Protection (Assessment of Site Contamination	n) Measure, 2013 (as amended)
ACM	Asbestos Containing Materials. Asbestos contained within a non-asi NEPM, ACM is generally restricted to those materials that do not pa	bestos matrix, typically presented in bonded and/or sound condition. For the purposes of the ss a 7mm x 7mm sieve.
AF	Asbestos Fines. Asbestos containing materials, including friable, we equivalent to "non-bonded / friable".	athered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as
FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or materials that do not pass a 7mm x 7mm sieve.	severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those
Friable	Asbestos-containing materials of any size that may be broken or cru outside of the laboratory's remit to assess degree of friability.	imbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres	s in the matrix.



Comments

Volume Measurement : Douglas Partners (Syd), has been trained by Eurofins and they conducted the sampling in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]methodology. Sampling pumps used by Douglas Partners (Syd) were calibrated by Eurofins | mgt and therefore volume measurements contained in this report are traceable back to Eurofins | mgt. Eurofins | mgt are responsible for all data contained in this report.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Senior Analyst-Asbestos (NSW)

Authorised by:



Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the cient, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet loadlines and to be include to the supples are exceeded.



Certificate of Analysis

Environment Testing

Douglas Partners (Syd) 96 Hermitage Road West Ryde NSW 2114



NATA Accredited Accreditation Number 1261 Site Number 18217

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

Attention:	
Report	687579-AFC
Project Name	GOULBURN HOSPITA
Project ID	94054
Received Date	Nov 12, 2019
Date Reported	Nov 12, 2019

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]
Pump Calibration	Defender 520M: Calibrated against National Institute of Standards & Technology (NIST) SOP 13 Standard Operating Procedure for Calibration of Volumetric Ware, Gravimetric Method utilising a 1000 mL burette with a digital stop watch.
Asbestos Counting	Conducted in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and in-house Method LTM-ASB-8010.





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Project NameGOULBURN HOSPITALProject ID94054Date SampledNov 11, 2019Report687579-AFC

Result (Fibres/mL) < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 Result (Fibres/Fields) 0/100 0/100 0/100 1/100 0/100 0/100 0/100 0/100 End Flow Rate (L/min) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 Start Flow Rate (L/min) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 11:16 11:18 11:10 11:12 11:14 End (time) 11:20 11:23 11:26 Start (time) 7:18 7:20 7:22 7:24 8:23 8:25 8:41 8:32 **BH47 SOUTH BH47 NORTH** BH71 SOUTH 65/66 SOUTH BH71 BASE BH47 WEST BH71 WEST BH47 EAST Location Pump ID DP19 **DP12** DP18 DP15 DP20 **DP10** DP05 DP11 Client Sample ID CO866103 CO866038 CO866075 CO865929 CO865959 CO865897 CO865908 CO865931 Eurofins Sample No. 19-No15964 19-No15965 19-No15966 19-No15968 19-No15969 19-No15970 19-No15967 19-No15971

Page 2 of 8 Report Number: 687579-AFC





NATA Accredited Accreditation Number 1261 Site Number 13217 Accredited for compliance with ISO/IEC 17025-Testing The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/hational standards.

Eurofins Sample No.	Client Sample ID	Pump ID	Location	Start (time)	End (time)	Start Flow Rate (L/min)	End Flow Rate (L/min)	Result (Fibres/Fields)	Result (Fibres/mL)
19-No15972	CO866044	DP04	65/66 EAST	8:34	11:29	3.0	3.0	0/100	< 0.01
19-No15973	CO866141	BLANK	BLANK	I	I	I	I	0/100	I



Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8010	Sydney	Nov 12, 2019	Indefinite
Asbestos - LTM-ASB-8010	Sydney	Nov 12, 2019	Indefinite



Environment Testingan - 60 006 085 521 Banal : Envissaes@eurdins.com web : www.eurdins.com.au

 Melbourne
 Melbourne

 6 Monterey Road
 5 Monterey Road

 Dandenong South VIC 3175
 9 Stat 2000

 Phone - Hol 3 8564 5000
 NATA # 1261

 Site # 1254 & 14271
 Site # 1274

Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217 Sydney Unit F3, Building F 16 Mars Road

Perth 2/91 Leach Highway Kewdale WA 6105 Phone : +61 8 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:in QLD 4172 Phone: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 12, 2019 2:25 PM Nov 12, 2019 Same day Priority: Contact Name:

Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd)

Company Name:

Address:

96 Hermitage Road

West Ryde NSW 2114

Eurofins Analytical Services Manager :

Å Å	oject Name: oject ID:	GOULBURN 94054	HOSPITAL				
		Sa	n ple Detail			Asbestos (concentration of fibres in air)	
Melb	ourne Laborato	ry - NATA Site	# 1254 & 142	71			
Sydr	ney Laboratory -	NATA Site # 1	8217			×	
Brisl	bane Laboratory	- NATA Site #	20794				
Pert	h Laboratory - N	ATA Site # 237	36				
Exte	rnal Laboratory						
No.	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID		
-	CO865931	Nov 11, 2019	11:10AM	Air	S19-No15964	×	
2	CO866103	Nov 11, 2019	11:12AM	Air	S19-No15965	×	
3	CO866038	Nov 11, 2019	11:14AM	Air	S19-No15966	×	
4	CO866075	Nov 11, 2019	11:16AM	Air	S19-No15967	×	
5	CO865929	Nov 11, 2019	11:18AM	Air	S19-No15968	×	
9	CO865959	Nov 11, 2019	11:20AM	Air	S19-No15969	×	
2	CO865897	Nov 11, 2019	11:23AM	Air	S19-No15970	×	
8	CO865908	Nov 11, 2019	11:26AM	Air	S19-No15971	×	
6	CO866044	Nov 11, 2019	11:29AM	Air	S19-No15972	×	



Environment Testingan - 60 006 085 521 Banal : Envissaes@eurdins.com web : www.eurdins.com.au

Melbourne 6 Monterey Road Dandenong South VIC 3175 Dandenong 3 South VIC 3175 Phone : +61 3 8564 5000 NATA # 1261 Site # 1254 & 14271

Sydney Unit F3, Building F 16 Mars Road Lane Cove West NSW 2066 Phone : +61 2 9900 8400 NATA # 1261 Site # 18217

Perth 2/91 Leach Highway Kewdab WA 6105 Phone: +618 9251 9600 NATA # 1261 Site # 23736 **Brisbane** 1/21 Smalwood Place Muran:e QLD 4172 Phonen: + +61 7 3902 4600 NATA # 1261 Site # 20794

Nov 12, 2019 2:25 PM Nov 12, 2019 Same dav Priority: Contact Name:

Received:

Due:

Order No.: Report #: Phone: Fax:

Douglas Partners (Syd) 96 Hermitage Road

Company Name: Address: West Ryde NSW 2114

Eurofins Analytical Services Manager :

	Asbestos (concentration of fibres in air)		×			×	10
						S19-No15973	
		271				Air	
HOSPITAL	nple Detail	# 1254 & 14;	8217	20794	36		
GOULBURN 94054	Sa	ory - NATA Site	- NATA Site # 18	y - NATA Site #	VATA Site # 237	Nov 11, 2019	
oject Name: oject ID:		ourne Laborato	ney Laboratory	bane Laborator	h Laboratory - N	CO866141	Counts
Pr		Melb	Sydr	Brist	Pert	10	Toet



Internal Quality Control Review and Glossary

General

1. QC data may be available on request.

- 2. All soil results are reported on a dry basis, unless otherwise stated.
- 3. Samples were analysed on an 'as received' basis.
- 4. Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- 5. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units		
% w/w weight for weight ba	isis	grams per kilogram
Filter loading:		fibres/100 graticule areas
Reported Concentration:		fibres/mL
Flowrate:		L/min
Terms		
Dry	Sample is dried by heating prior to analysis	
LOR	Limit of Reporting	
COC	Chain of Custody	
SRA	Sample Receipt Advice	
ISO	International Standards Organisation	
AS	Australian Standards	
WA DOH	Reference document for the NEPM. Government of Western Austral Sites in Western Australia (2009), including supporting document R	lia, Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated ecommended Procedures for Laboratory Analysis of Asbestos in Soil (2011)
NEPM	National Environment Protection (Assessment of Site Contamination	n) Measure, 2013 (as amended)
ACM	Asbestos Containing Materials. Asbestos contained within a non-as NEPM, ACM is generally restricted to those materials that do not pa	bestos matrix, typically presented in bonded and/or sound condition. For the purposes of the uss a 7mm x 7mm sieve.
AF	Asbestos Fines. Asbestos containing materials, including friable, we equivalent to "non-bonded / friable".	eathered and bonded materials, able to pass a 7mm x 7mm sieve. Considered under the NEPM as
FA	Fibrous Asbestos. Asbestos containing materials in a friable and/or materials that do not pass a 7mm x 7mm sieve.	severely weathered condition. For the purposes of the NEPM, FA is generally restricted to those
Friable	Asbestos-containing materials of any size that may be broken or cru outside of the laboratory's remit to assess degree of friability.	umbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres	s in the matrix.



Comments

Volume Measurement : **Example 1**, Douglas Partners (Syd), has been trained by Eurofins and they conducted the sampling in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]methodology. Sampling pumps used by Douglas Partners (Syd) were calibrated by Eurofins | mgt and therefore volume measurements contained in this report are traceable back to Eurofins | mgt. Eurofins | mgt are responsible for all data contained in this report.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Asbestos Counter/Identifier:

Senior Analyst-Asbestos (NSW)

Authorised by:



Senior Analyst-Asbestos (NSW)



General Manager

Final Report - this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the cient, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequence that damages including, but not limited to, lost profits, damages for failure to meet deadlines and to shot production and related only to the lense tested.







CONTROL AIR MONITORING FOR ASBESTOS FIBRES RESULTS

Douglas Partners Pty Ltd

05 December 2019

Attention: Company: Email:



Accredited for compliance with ISO/IEC 17025 -Testing

SWE Bonort Boforonco:	C109603 AAM1 v1 0412	10				
SWE Report Reference.	C108003-AAIVI1.V1-0412	19				
Site Address:	Goulburn Hospital Redev	/elopment, Faithfu	ill Street, Goulburn.			
Sampling Date:	4 December 2019					
Period of Sampling ¹ :	07:31 – 14:18					
Scope:	Air monitoring during excavation of asbestos hotspots in fleet carpark area.					
SWE Laboratory:	Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602					
Accreditation number:	17092	Site number:	23867			

- 1. Introduction: Control monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to verify the effectiveness of control measures implemented to prevent fibre release as a result of asbestos removal/related work.
- 2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/S421/041219	Site boundary fence, adj. community health centre, north of removal area	0.0/100	<0.01
C108603/S564/041219	Site boundary fence, adj. fire hydrant, east of removal area	2.0/100	<0.01
C108603/W01/041219	Site boundary fence, adj. Faithful Street site vehicle entry, southeast of removal area	0.0/100	<0.01
C108603/A1305/041219	External, north wall of lunchroom, southwest of removal area	2.0/100	<0.01
C108603/S521/041219	Site boundary fence, adj. concrete emergency exit stairwell, northwest of removal area	1.0/100	<0.01
C108603/S581/041219	Site boundary fence, west corner of site	1.0/100	<0.01
C108603/S393/041219	Field Control (Blank)	1.0/100	N/A

4. Conclusion: All air monitoring analytical results reported on in this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:

	l
Analyst	



Approved Issuer of Report

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-041219 **Safe Work and Environments Pty Ltd 88127010995** Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602 Phone: 02 6247 0022 Email: enquiries@swe.com.au Page 1 of 1



10 December 2019

Attention: Company: Email:

Douglas Partners Pty Ltd



Accredited for compliance with ISO/IEC 17025 -Testing

SWE Report Reference: Site Address: Sampling Date: Period of Sampling ¹ : Scope: SWE Laboratory:	C108603-AAM1.v1-0912 Goulburn Hospital Reder 9 December 2019 07:35 – 16:20 Air monitoring during exc Suite S1, 25 Dickson Ch	219 velopment, Faithfu cavation works in u ambers, Dickson F	ll Street, Goulburn. Inknown fill. Place, Dickson ACT 2602
Accreditation number:	17092	Site number:	23867

- 1. Introduction: Background monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to assess the concentration of background airborne asbestos fibres during site works.
- 2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/S106/091219	Site boundary fence, adj. Community Health centre	0.0/100	<0.01
C108603/S572/091219	Site boundary fence, adj. Faithfull St vehicle entry.	0.0/100	<0.01
C108603/S422/091219	Site boundary fence, adj. firefighting water tanks.	0.0/100	<0.01
C108603/S514/091219	Truck route to containment cell, west edge of fleet carpark.	0.0/100	<0.01
C108603/S332/091219	ATF fence on east wall of containment cell.	1.0/100	<0.01
C108603/S547/091219	ATF fence on south wall of containment cell.	0.0/100	<0.01
C108603/S386/091219	Site boundary fence, west of containment cell.	0.0/100	<0.01
C108603/W46/091219	Exterior, site lunchroom, north wall.	0.0/100	<0.01
C108603/S637/091219	Site boundary fence, adj. Goldsmith St, north of containment cell.	2.0/100	<0.01
C108603/S374/091219	Field Control (Blank).	0.0/100	<0.01

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-091219

Safe Work and Environments Pty Ltd 88127010995 Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602 Phone: 02 6247 0022 Email: enquiries@swe.com.au



10 December 2019



4. Conclusion: All reportable air fibre levels reported on within this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:

Analyst



¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-091219



13 January 2020

SWE Report Refere Site Address: Sampling Date: Period of Sampling

Attention:

Company:

Email:

Scope:



Dougla	as Partners Pty Ltd	Accredited for compliance
		with ISO/IEC 17025 -
nce:	C108603-AAM1.v1-100120	Testing
	Goulburn Hospital Redevelopment, Faithfull Street.	
	10 January 2020	
1:	08:06 - 16:20	
	Air monitoring during excavation work in containment cell 3	3.

SWE Laboratory: Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602

Accreditation number: 17092 Site number: 23867

1. Introduction: Background monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to assess the concentration of background airborne asbestos fibres.

2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 – Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 – Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/W19/100120	East of site office and containment cell 3, adj. fire fighting water tanks, site perimeter fence.	1.0/100	<0.01
C108603/W40/100120	Eastern perimeter fence (Faithfull St), adj. fire hydrant, east of proposed fleet carpark.	0.0/100	<0.01
C108603/S250/100120	Northern perimeter fence, adj. Community Health Centre.	1.0/100	<0.01
C108603/A012/100120	West of site office, south-west perimeter fence.	0.0/100	<0.01
C108603/S575/100120	Western delineation fence, adj. vehicle load out area.	1.0/100	<0.01
C108603/W36/100120	North western delineation fence, adj. decon unit.	0.0/100	<0.01
C108603/S597/100120	Field Control (Blank).	0.0/100	<0.01

4. Conclusion: All reportable air fibre levels reported on within this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:





¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-100120

Safe Work and Environments Pty Ltd 88127010995 Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602 Phone: 02 6247 0022 Email: enquiries@swe.com.au Page 1 of 1



12 December 2019

Attention: Company: Email:

Douglas Partners Pty Ltd



Accredited for compliance with ISO/IEC 17025 -Testing

SWE Report Reference: Site Address: Sampling Date: Period of Sampling ¹ :	C108603-AAM1.v1-101219 Goulburn Hospital Redevelopment, Faithfull Street, Goulburn. 10 December 2019 06:27 – 16:12		
SWE Laboratory:	Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602		
Accreditation number:	17092	Site number:	23867

- 1. Introduction: Background monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to assess the concentration of background airborne asbestos fibres during site works.
- 2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/S227/101219	Site boundary fence, adj. Community Health centre	0.0/100	<0.01
C108603/S582/101219	Site boundary fence, adj. Faithfull St vehicle entry.	2.5/100	<0.01
C108603/W40/101219	Site boundary fence, adj. firefighting water tanks.	0.0/100	Reject*
C108603/S500/101219	Truck route to containment cell, west edge of fleet carpark.	0.0/100	<0.01
C108603/S576/101219	ATF fence on east wall of containment cell.	1.0/100	<0.01
C108603/A012/101219	ATF fence on south wall of containment cell.	0.0/100	<0.01
C108603/S250/101219	Site boundary fence, west of containment cell.	1.0/100	<0.01
C108603/S448/101219	Exterior, site lunchroom, north wall.	0.0/100	<0.01
C108603/W19/101219	Site boundary fence, adj. Goldsmith St, north of containment cell.	1.0/100	<0.01
C108603/W30/101219	Field Control (Blank).	0.0/100	<0.01

* Sample rejected due to initial/final air flow rate outside of allowed flow variation of 10%.

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-101219

Safe Work and Environments Pty Ltd 88127010995 Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602 Phone: 02 6247 0022 Email: enquiries@swe.com.au


12 December 2019

4. Conclusion: All reportable air fibre levels reported on within this report are below detectable level of 0.01 fibres/mL of air.

Analysed and reported by:

Analyst and Approved Issuer of Report

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-101219



12 December 2019

Attention: Company: Email:

Douglas Partners Pty Ltd



Accredited for compliance with ISO/IEC 17025 -Testing

SWE Report Reference: Site Address: Sampling Date: Period of Sampling ¹ : Scope: SWE Laboratory:	C108603-AAM1.v1-1112 Goulburn Hospital Redev 11 December 2019 07:25 – 16:23 Air monitoring during exc Suite S1, 25 Dickson Cha	19 velopment, Faithfu avation works in u ambers, Dickson F	ll Street, Goulburn. Inknown fill. Place, Dickson ACT 2602
Accreditation number:	17092	Site number:	23867

- 1. Introduction: Background monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to assess the concentration of background airborne asbestos fibres during site works.
- 2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/S722/111219	Site boundary fence, west of containment cell.	1.0/100	Reject*
C108603/S208/111219	Site boundary fence, adj. Goldsmith St, north of containment cell.	1.0/100	<0.01
C108603/S595/111219	Site boundary fence, adj. Community Health Centre, north of fleet car park area.	0.0/100	<0.01
C108603/S466/111219	Site boundary fence, adj. Faithfull St site vehicle entry, east of fleet carpark area.	0.0/100	<0.01
C108603/S597/111219	Site boundary fence, adj. water tanks, south of fleet carpark area.	0.0/100	<0.01
C108603/S592/111219	Star picket, west of fleet carpark area, adj. truck route.	0.0/100	<0.01
C108603/S512/111219	ATF fence east side of containment cell.	0.0/100	<0.01
C108603/W36111219	ATF fence on south side of containment cell.	1.0/100	<0.01
C108603/S13/111219	Western site boundary fence, adj. concrete emergency exit stairwell, west of truck route.	1.0/100	<0.01
C108603/S387/111219	Field Control (Blank).	0.0/100	N/A

* Sample rejected due to initial/final air flow rate outside of allowed flow variation of 10%.

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-111219



12 December 2019



4. Conclusion: All reportable air fibre levels reported on within this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:





Approved Issuer of Report

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-111219



13 December 2019

Attention: Company: Email:

Douglas Partners Pty Ltd



Accredited for compliance with ISO/IEC 17025 -Testing

SWE Report Reference:	C108603-AAM	11.v1-121219	
Site Address:	Goulburn Hos	pital Redevelopment, Faithfu	Ill Street, Goulburn.
Sampling Date:	12 December	2019	
Period of Sampling ¹ :	06:28 - 16:33		
Scope:	Air monitoring	during excavation works in	unknown fill.
SWE Laboratory:	Suite S1, 25 D	ickson Chambers, Dickson	Place, Dickson ACT 2602
Accreditation number:	17092	Site number:	23867

- Introduction: Background monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to assess the concentration of background airborne asbestos fibres during site works.
- 2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/S547/121219	Site boundary fence, north-west of containment cell.	1.0/100	<0.01
C108603/S515/121219	Site boundary fence, north-east of containment cell.	1.0/100	<0.01
C108603/S590/121219	Site boundary fence, adj. Community Health Centre BLD, north of excavation.	0.0/100	<0.01
C108603/S575/121219	Site boundary fence, adj. Faithfull St site vehicle entry, east of excavation.	0.0/100	<0.01
C108603/S421/121219	Site boundary fence, adj. water tanks, south of excavation.	0.0/100	<0.01
C108603/S393/121219	Star picket, adj. site office and truck transport route.	2.0/100	<0.01
C108603/S571/121219	ATF fence on south-east corner of containment cell.	0.0/100	<0.01
C108603/S588/121219	Star picket adj. decontamination area and south- west of containment cell	0.0/100	<0.01
C108603/S755/121219	Site boundary fence, west of truck transport route.	1.0/100	<0.01
C108603/S566/121219	Field Control (Blank).	0.0/100	N/A

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-121219.docx Safe Work and Environments Pty Ltd 88127010995 Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602 Phone: 02 6247 0022 Email: enquiries@swe.com.au



13 December 2019



4. Conclusion: All reportable air fibre levels reported on within this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:

Analvet		
Analysi		
-		



Approved Issuer of Report

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-121219.docx



14 January 2020



Attention:		WORLD RECOGNISED
Company: Dougl	as Partners Pty Ltd	Accredited for compliance
Email:		with ISO/IEC 17025 -
SWE Report Reference:	C108603-AAM1.v1-130120	Testing
Site Address:	Goulburn Hospital Redevelopment, Faithfull Street.	
Sampling Date:	13 January 2020	
Period of Sampling ¹ :	07:29 – 15:52	
Scope:	Air monitoring during excavation works along northern er	nbankment.
SWE Laboratory:	Suite S1, 25 Dickson Chambers, Dickson Place, Dicksor	ACT 2602

Accreditation number: 17092 Site number: 23867

1. Introduction: Background monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to assess the concentration of background airborne asbestos fibres.

2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 – Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 – Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/S566/130120	Eastern perimeter fence (Faithfull St), adj. fire hydrant, east of proposed fleet carpark.	0.0/100	<0.01
C108603/S722/130120	Northern perimeter fence, adj. Community Health Centre.	2.0/100	<0.01
C108603/S590/130120	North-western perimeter fence, adj. Community Health Centre, load out area and decon unit.	0.0/100	<0.01
C108603/W30/130120	Southern perimeter fence, east of site office and south of work area, adj. fire fighting water tanks.	0.0/100	<0.01
C108603/S466/130120	Western delineation fence, west of work area.	0.0/100	<0.01
C108603/S448/130120	North-western delineation fence, adj. load out area.	1.0/100	<0.01
C108603/S515/130120	Field Control (Blank).	0.0/100	N/A

4. Conclusion: All reportable air fibre levels reported on within this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:

n	2.50	
Analyst		



¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-130120

Safe Work and Environments Pty Ltd 88127010995 Suite S1, 25 Dickson Chambers, Dickson Place, Dickson ACT 2602 Phone: 02 6247 0022 Email: enquiries@swe.com.au Page 1 of 1



Douglas Partners Pty Ltd

17 December 2019

Attention: Company: Email: WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 -Testing

SWE Report Reference: Site Address: Sampling Date: Period of Sampling ¹ : Scope: SWE Laboratory:	C108603-AAM1.v1-1612 Goulburn Hospital Redev 16 December 2019 07:05 – 17:19 Air monitoring during exc Suite S1, 25 Dickson Cha	19 velopment, Faithfu avation works in f ambers, Dickson P	ill Street, Goulburn. ill known to contain asbestos. Place, Dickson ACT 2602
Accreditation number:	17092	Site number:	23867

- 1. Introduction: Control monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to verify the effectiveness of control measures implemented to prevent fibre release as a result of asbestos removal/related work.
- 2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/S106/161219	South-west corner of Community Health Services BLD, attached to boundary fence.	0.0/100	<0.01
C108603/S109/161219	Southern end of Community Health Services BLD, adj. to excavation area, attached to boundary fence.	0.0/100	<0.01
C108603/S523/161219	South-east corner of site, eastern side of excavation area, attached to boundary fence.	0.0/100	<0.01
C108603/S564/161219	South-east corner of site, south-west corner of excavation area, attached to delineation fencing.	0.0/100	<0.01
C108603/S572/161219	Attached to delineation fencing between site office and remediation area.	0.0/100	<0.01
C108603/S596/161219	Attached to delineation fencing, adj. to site office.	2.0/100	<0.01
C108603/S633/161219	Attached to delineation fencing at decontamination unit.	2.0/100	<0.01
C108603/S637/161219	Western side of containment cell, attached to boundary fence, 20m from north-west corner of site.	0.0/100	<0.01
C108603/S647/161219	Northern side of containment cell, attached to boundary fence.	0.0/100	<0.01
C108603/A1305/161219	Field Control (Blank).	1.0/100	N/A

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-161219



17 December 2019



4. Conclusion: All reportable air fibre levels reported on within this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:

4		
Analy	st	•



Approved Issuer of Report

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-161219



Douglas Partners Pty Ltd

19 December 2019



Attention: Company: Email:

SWE Report Reference:	C108603-AAM	/1.v1-171219	
Site Address:	Goulburn Hos	pital Redevelopment, Faithf	ull Street, Goulburn.
Sampling Date:	17 December	2019	
Period of Sampling ¹ :	06:57 - 16:54		
Scope:	Air monitoring	during excavation works in	fill known to contain asbestos.
SWE Laboratory:	Suite S1, 25 D)ickson Chambers, Dickson	Place, Dickson ACT 2602
Accreditation number:	17092	Site number:	23867

- 1. Introduction: Control monitoring for airborne asbestos fibres where undertaken by Safe Work and Environments Pty Ltd (SWE) is used to verify the effectiveness of control measures implemented to prevent fibre release as a result of asbestos removal/related work.
- 2. Methods: Airborne asbestos fibre monitoring was carried out in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC:3003 (2005)] and SWE's In-House Method 2 Air Volume Measurement. Analysis of collected filter membrane samples was performed in accordance with NOHSC:3003 (2005) and SWE's In-House Method 1 Asbestos Air Fibre Mount and Count.

3. Results:

SWE REF.	LOCATION OF SAMPLE	FIBRES/ FIELDS	CONCENTRATION (FIBRES/mL)
C108603/W01/171219	Western side of containment cell, attached to boundary fence, 20m from NW corner of site.	1.0/100	<0.01
C108603/W50/171219	Northern side of containment cell, attached to northern boundary fence, mid-way along.	4.0/100	<0.01
C108603/S332/171219	South-west corner of Community Health Services building, attached to boundary fence.	0.5/100	<0.01
C108603/S516/171219	South of Community Health Services building, attached to boundary fence adj. to excavation area.	1.0/100	Rejected*
C108603/S449/171219	South-east corner of site, attached to boundary fence on east side of excavation area.	2.0/100	Rejected**
C108603/S581/171219	Attached to delineation fencing, between site office and remediation area.	0.0/100	<0.01
C108603/S583/171219	Attached to delineation fencing and gate to asbestos work area, adj. to site office.	0.0/100	<0.01
C108603/S587/171219	Attached to delineation fencing at decontamination unit.	0.0/100	<0.01
C108603/S591/171219	Attached to delineation fencing adj. to NW corner of Community Health Services building.	0.0/100	<0.01
C108603/S521/171219	Field Control (Blank).	0.0/100	N/A

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-171219

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19 December 2019

- * Sample rejected due to pump battery failure- time on screen 498min
- ** Sample rejected due to initial/final flow rate outside of allowed flow variation of 10%.



4. Conclusion: All reportable air fibre levels reported on within this report are below the lowest detectable level of 0.01 fibres/mL of air.

Analysed and reported by:





Approved Issuer of Report

Attached: Site Plan with Air Monitoring Locations

¹ Period of Sampling defined by the on-time of the first air monitoring sample to the off-time of the last air monitoring sample.

C108603-AAM1.v1-AsbestosAirMonitoringReport-171219





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INTERIM ASBESTOS VISUAL CLEARANCE CERTIFICATE C108603 / CLR6.v1

13 January 2020

 Attention:
 Douglas Partners

 Company:
 Douglas Partners

 Email:
 Douglas Partners

 Client Reference:
 94054.06 – Goulburn Hospital Redevelopment

SWE Project No.:C108603Date of works:10 January 2020Asbestos Removalist:Affective ServicesSite Address:Goulburn Hospital Redevelopment, Faithfull Street, Goulburn NSW

Dear Peter,

RE: C108603 – Visual Clearance Certificate for Asbestos Removal Works: Part of Old Containment Pit 3.

Introduction

Safe Work and Environments Pty Ltd (SWE) was engaged by Douglas Partners to undertake an Asbestos Clearance Inspection following the removal of in-situ soil containing non-friable asbestos cement sheeting from part of old containment pit 3. The works were conducted to facilitate redevelopment works of Goulburn Hospital. Licenced Asbestos Assessor David Langston (LAA001429) carried out an inspection of the removal area following completion of the removal works at 4:00pm on the 10 January 2020.

The scope of work involved the following:

- Visual Inspection of the subject areas following the asbestos removal works as per the scope of removal;
- Preparation of an Asbestos Clearance Report outlining the site data, conclusions and recommendations (if necessary).

Scope of Removal

Soil and asbestos containing material (ACM) was removed from part of old containment pit 3. An approximate area measuring 10x30m was excavated from old containment pit 3 down to a depth between 0.5-1.1m below ground level. The depth of excavation was undertaken to approximately 300mm below bulk earthworks depth. Once the excavation was complete a geotextile marker layer was installed on the base and walls of the excavation and approximately 300mm of clean fill placed over the marker layer. An approximate location of the removal works area is included in *Figure 1*.

C108603-CLR6.v1 - Asbestos Clearance Certificate

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Inspection Details

Areas inspected within the asbestos removal area by the assessor included:

• Visible and accessible surface soils within old containment pit 3.

No suspect asbestos material or debris associated with the scope of removal was identified by the assessor during the inspection. Photos of the removal area are included in *Appendix 1*.

Control air monitoring was undertaken during removal works, all airborne fibre concentrations were below the reporting limit of 0.01 fibres/mL of air.

It is the opinion of the assessor the removal works undertaken by Affective Services is of appropriate industry standard and in accordance with adopted Code of Practice: *How to Safely Remove Asbestos* (2019).

Conclusions & Recommendations

Based on the data presented in this report, it is the opinion of Safe Work & Environments Pty Ltd that:

- Soils impacted with asbestos cement sheeting have been removed from the surface of the old containment pit 3.
- The assessor found no visible asbestos debris from asbestos removal work in the area, or in the vicinity of the area, where the work was carried out.
- It is the opinion of the assessor the inspected area is safe, in regards to asbestos, to be re-occupied by unprotected persons (providing surface soils are not disturbed).
- Soils within the old containment pit 3 are likely to contain asbestos material beneath the marker layer. Soil disturbance within the area of the old containment pit should be undertaken with appropriate asbestos work controls in place (in accordance with the sites asbestos management plan).
- If any additional asbestos materials are identified within the site at a later date, works must cease for the asbestos materials to be removed. All asbestos removal of works should be carried out in accordance with the NSW SafeWork Australia 2019 Code of Practice: *How to Safely Remove Asbestos* or as directed by the task specific asbestos safe works procedure.

Should you have any queries regarding this certificate, please do not hesitate to contact the undersigned for further information or assistance.

Yours faithfully,

Environmental Consultant Email: Safe Work and Environments Pty Ltd PO Box 230, Dickson ACT 2602 P: 02 6247 0022 www.swe.com.au

Figure 1: Asbestos Removal Work Area Appendix 1: Site Photographs

C108603-CLR6.v1 - Asbestos Clearance Certificate

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Figure 1: Asbestos Removal Work Area

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Appendix 1: Site Photographs

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Photographs 1: prior to containment cell excavation. Note black plastic on site office and entry was restricted.



Photographs 2: Post excavation and geotextile marker evident on pit walls.

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Photographs 3: Post excavation and geotextile marker evident on pit walls. Not varying depth of excavation to accommodate future site works.



Photographs 4: Post excavation and geotextile marker evident and use of clean fill.

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ASBESTOS VISUAL CLEARANCE CERTIFICATE C108603 / CLR7.v1

14 January 2020

Attention: Company: Fax/email:

Douglas Partners

SWE Project No.: Date of works: Asbestos Removalist: Site Address:

C108603 13 January 2020 Affective Services Goulburn Hospital Redevelopment, Faithfull Street, Goulburn NSW

Dear

RE: C108603 – Visual Clearance Certificate for Asbestos Decontamination Works: Decontamination Unit Deconta #C5000 A, Goulburn Hospital Redevelopment, Faithfull Street, Goulburn NSW.

Introduction

Safe Work and Environments Pty Ltd (SWE) was engaged by Douglas Partners to undertake a Visual Asbestos Clearance Inspection following decontamination works on a Decontamination Unit (Deconta #C5000 A). Licenced Asbestos Assessor David Langston (LAA001429) carried out an inspection of the works area following decontamination works at 4:00pm on the 13 January 2020.

The scope of work involved the following:

- Visual Inspection of the subject areas following the asbestos removal works as per the scope of removal;
- Preparation of an Asbestos Clearance Report outlining the site data, conclusions and recommendations (if necessary).

Photographs of the Decontamination Unit area included in Appendix A.

Scope of Removal

The removal of asbestos debris from Decontamination Unit Deconta #C5000 A.

Inspection Details

Areas inspected by the assessor included the visible and accessible internal and external wall and floor surfaces of the decontamination unit. No suspect asbestos material or debris was identified by the assessor during the inspection.

It must be noted that the clearance inspection did not include inaccessible surfaces and materials such as drainage pipes and filters.

C108603-CLR7.v1 - Asbestos Clearance Certificate - Decontamination Unit #C5000 A

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It is the opinion of the assessor the removal/decontamination works undertaken by Affective Services is of appropriate industry standard and in accordance with adopted Code of Practice: *How to Safely Remove Asbestos* (2018).

Conclusions & Recommendations

Based on the data presented in this report, it is the opinion of Safe Work & Environments Pty Ltd that:

- The assessor found no visible asbestos materials within Decontamination Unit Deconta #C5000 A;
- The visible and accessible surfaces of the Unit Deconta #C5000 A have been successfully decontaminated of asbestos material;
- The scope of this clearance report does not cover inaccessible surfaces and materials such as drainage pipes and filters;
- Based on the results of the inspection; it is the opinion of the assessor the inspected area is safe in regard to the asbestos risk and may be used by unprotected persons;
- The decontamination unit internal negative air filter was left in place and is to be replaced by the hire company. All asbestos removal of works should be carried out in accordance with the SafeWork Australia 2018 Code of Practice: *How to Safely Remove Asbestos* or as directed by the task specific asbestos safe works procedure.

Should you have any queries regarding this certificate, please do not hesitate to contact the undersigned for further information or assistance.

Yours faithfully,



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Attachment A - Photographs

C108603-CLR7.v1 - Asbestos Clearance Certificate - Decontamination Unit #C5000 A

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Attachment A – Photograpahs



Photograph 1. Decontamination unit



Photograph 2. Interior of Decontamination unit.

C108603-CLR7.v1 - Asbestos Clearance Certificate - Decontamination Unit #C5000 A

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Photograph 3. Interior of Decontamination unit

C108603-CLR7.v1 - Asbestos Clearance Certificate - Decontamination Unit #C5000 A

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INTERIM ASBESTOS VISUAL CLEARANCE CERTIFICATE C108603 / CLR8.v1

14 January 2020

 Attention:
 Image: Company:
 Douglas Partners

 Email:
 Image: Client Reference:
 94054.06 – Goulburn Hospital Redevelopment

SWE Project No.:C108603Date of works:13 January 2020Asbestos Removalist:Affective ServicesSite Address:Goulburn Hospital Redevelopment, Faithfull Street, Goulburn NSW

Dear

RE: C108603 – Visual Clearance Certificate for Asbestos Removal Works: Excavation works of northern embankment adjacent to Community Health Centre.

Introduction

Safe Work and Environments Pty Ltd (SWE) was engaged by Douglas Partners to undertake an Asbestos Clearance Inspection following the excavation, battering and encapsulation of in-situ soil containing non-friable asbestos cement sheeting from northern embankment located south of the Community Health Centre. The works were conducted to facilitate redevelopment works of Goulburn Hospital. Licenced Asbestos Assessor David Langston (LAA001429) carried out an inspection of the removal area following completion of the removal works at 4:00pm on the 13 January 2020.

The scope of work involved the following:

- Visual Inspection of the subject areas following the asbestos removal works as per the scope of removal and remediation;
- Preparation of an Asbestos Clearance Report outlining the site data, conclusions and recommendations (if necessary).

Scope of Removal

To excavate and remove from site soils containing asbestos containing material from the northern section of the fleet carpark (as far as practicable) to facilitate building works. Temporarily encapsulate soils remaining in-situ suspected of containing asbestos material until further remediation work can occur.

. An approximate location of the removal works area is included in Figure 1.

C108603-CLR8.v1 - Asbestos Clearance Certificate

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Inspection Details

Areas inspected within the asbestos removal area by the assessor included:

• Visible and accessible surface soils within the northern embankment and load out area.

During the inspection the assessor noted the northern embankment area measuring 30x2m had soils suspected of containing ACM which continues under the work boundary. At the time of inspection the embankment area had a temporarily geotextile marker layer and clean fill to temporarily encapsulate the embankment until further excavation and remediation can occur.

No other suspect asbestos material or debris associated with the scope of removal was identified by the assessor during the inspection. Photos of the removal area are included in *Appendix 1*.

Control air monitoring was undertaken during removal works, all airborne fibre concentrations were below the reporting limit of 0.01 fibres/mL of air.

It is the opinion of the assessor the removal works undertaken by Affective Services is of appropriate industry standard and in accordance with adopted Code of Practice: *How to Safely Remove Asbestos* (2019).

Conclusions & Recommendations

Based on the data presented in this report, it is the opinion of Safe Work & Environments Pty Ltd that:

- Soils impacted with asbestos containing material within the northern embankment have been excavated and temporarily encapsulated where fill was identified.
- The assessor found no visible asbestos debris from asbestos removal work in the area, or in the vicinity of the area, where the work was carried out.
- It is the opinion of the assessor the inspected area is safe, in regards to asbestos, to be re-occupied by unprotected persons (providing surface soils are not disturbed).
- Soils within the embankment below the marker horizon are likely to contain asbestos material. Soil disturbance within the area are to occur at a later date and should be undertaken with appropriate asbestos work controls in place (in accordance with the sites asbestos management plan).
- If any additional asbestos materials are identified within the site at a later date, works must cease for the asbestos materials to be removed. All asbestos removal of works should be carried out in accordance with the NSW SafeWork Australia 2019 Code of Practice: *How to Safely Remove Asbestos* or as directed by the task specific asbestos safe works procedure.

Should you have any queries regarding this certificate, please do not hesitate to contact the undersigned for further information or assistance.

Yours faithfully,

Environmental Consultant Email: Safe Work and Environments Pty Ltd PO Box 230, Dickson ACT 2602 P: 02 6247 0022 www.swe.com.au

C108603-CLR8.v1 - Asbestos Clearance Certificate

Safe Work and Environments Pty Ltd ABN 88127010995 Suite 7/103 Majors Bay Road Concord NSW 2137 Ph: 02 8757 3611 Fax: 02 8757 3612 Email: enquiries@swe.com.au Attachments: Figure 1: Asbestos Removal Work Area Appendix 1: Site Photographs



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Figure 1: Asbestos Removal Work Area

C108603-CLR8.v1 - Asbestos Clearance Certificate

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Appendix 1: Site Photographs

C108603-CLR8.v1 - Asbestos Clearance Certificate

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Photograph 1: Prior to additional excavation on the northern embankment, located south of the Community Health Centre.



Photograph 2: Post additional excavation and battering.

C108603-CLR8.v1 - Asbestos Clearance Certificate

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Photograph 3: Post excavation and geotextile marker evident on battered walls. Note varying depth of excavation to accommodate future site works.



Photograph 4: Post excavation and geotextile marker evident and use of clean fill.

C108603-CLR8.v1 - Asbestos Clearance Certificate

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