



A GREENCAP  
CONSULTING COMPANY

# Risk Management Services

NOEL ARNOLD & ASSOCIATES PTY LTD  
A.C.N. 006 318 010 A.B.N. 75 006 318 010  
Level 2, 11 Khartoum Road,  
North Ryde, NSW 2113 Australia  
Phone: (02) 9889 1800  
Fax: (02) 9889 1811  
Email: [sydney@noel-arnold.com.au](mailto:sydney@noel-arnold.com.au)  
[www.noel-arnold.com.au](http://www.noel-arnold.com.au)

## ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804.082-20130527

Client: Hanson Construction Materials Pty Ltd

Attention: Martin Gear - Project Manager Aggregates

Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW

Report Date: Wednesday 29 May 2013

Test Date: Monday 27 May 2013

Sampling Procedure: Control

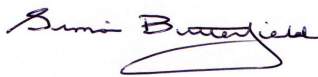
Sampled By: Pumps On: Pere Riini (Hanson)  
Pumps Off: Pere Riini (Hanson)

Method: *Filters examined in accordance with Safe Work Australia's Guidance Note on the Membrane Filter Method for the Estimation of Airborne Asbestos Fibres, 2<sup>nd</sup> Edition, 2005 [NOHSC:3003: (2005)] – Refer NAA Internal Laboratory Test Method NALAB 301.*

Filter No.	Test Type Sample Location	Sample Period Start-Finish	Average Flow Rate (L/min)	Fibres/ Fields	Result(s) Fibres/mL
Control static monitoring during the scraping of top soil in the Infrastructure Area on the East Guyong Quarry Site					
2170	Field Blank	-	-	0.0/100	-
3019	Location 1 – Near Southern Boundary of Site, Access Road to Residence (No.3472) off Mitchell Highway, approx. 120 metres North of South Site Boundary – On barbed wire fence	0721 – 1448	1.00	0.0/100	< 0.01
3023	Location 3 – Near Southern Boundary (SE Corner) of Site, Adjacent to New Access Road Entry (No.3410) off Mitchell Highway, approx. 30 metres from South Site Boundary – On barbed wire fence	0724 – 1452	1.00	0.5/100	< 0.01
3033	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0727 - 1455	1.00	0.0/100	< 0.01
3039	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0731 - 1459	1.00	0.0/100	< 0.01
3030	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0736 - 1506	1.00	0.0/100	< 0.01
3003	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0739 – 1509	1.00	0.0/100	< 0.01
2199	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0745 - 1514	1.00	0.0/100	< 0.01

Filter No.	Test Type Sample Location	Sample Period Start-Finish	Average Flow Rate (L/min)	Fibres/ Fields	Result(s) Fibres/mL
1310	Location N1 – Northern Boundary Fence of Infrastructure Area	0748 - 1517	1.00	0.0/100	< 0.01
3000	Location N2 – Western Boundary Fence of Infrastructure Area	0751 - 1520	1.00	0.0/100	< 0.01
1389	Location N3 – Eastern Boundary Fence of Infrastructure Area	0758 - 1527	1.00	0.0/100	< 0.01
3013	Location N4 – Southern Boundary Fence of Infrastructure Area	0754 – 1524	1.00	0.0/100	< 0.01
3073	Location N5 – Lunch Shed, Adjacent to New Access Road – On bench	0803 - 1531	1.00	2.5/100	< 0.01

Note: Pere Riini of Hanson Construction Materials Pty Ltd has been formally trained as a third party for volume measurement. Noel Arnold & Associates Pty Ltd assume responsibility for the data collected.



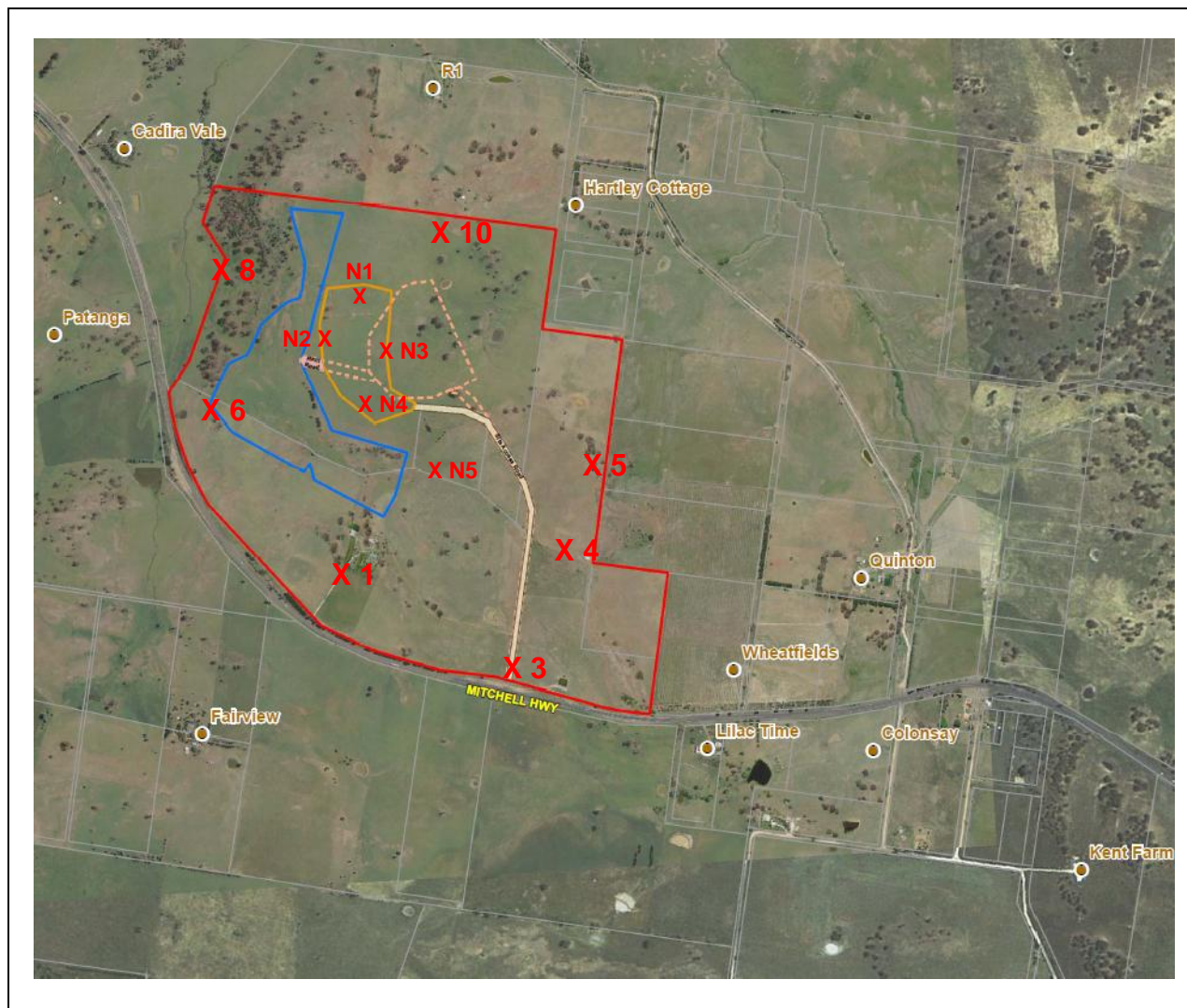
APPROVED COUNTER & SIGNATORY:  
SIMON BUTTERFIELD



Accredited for compliance with ISO/IEC 17025.  
Corporate Site No. 5450, Site No. 3402 Sydney  
Laboratory.

This document shall not be reproduced, except  
in full.

Figure 1 – Air Monitoring Location



**Air Monitoring Sampling Plan  
East Guyong Quarry Site**

Monitoring Date: 27<sup>th</sup> May 2013

**Legend**

- X 1 Air monitoring locations
- Project Boundary
- Proposed Quarry Boundary
- Proposed Infrastructure Area Boundary

**Air Monitoring Location Coordinates**

Location 1:	709,104mE ; 6300,660mN	Location N1:	709,217mE ; 6301,525mN
Location 3:	709,601mE ; 6300,370mN	Location N2:	709,069mE ; 6301,147mN
Location 4:	709,729mE ; 6300,716mN	Location N3:	709,393mE ; 6301,247mN
Location 5:	709,870mE ; 6300,905mN	Location N4:	709,225mE ; 6301,034mN
Location 6:	708,803mE ; 6301,185mN	Location N5:	709,460mE ; 6300,911mN
Location 8:	708,824mE ; 6301,587mN		
Location 10:	709,465mE ; 6301,633mN		

**Weather Conditions\***

<i>General</i>	Fog - Fine	<i>Wind Direction</i>	Mostly North-Easterly
<i>Rainfall</i>	0.2 mm	<i>Wind Speed</i>	1 – 21 km/h

\* East Guyong Quarry Weather Station