



A GREENCAP  
CONSULTING COMPANY

# Risk Management Services

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## ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804.091-20130611

Client: Hanson Construction Materials Pty Ltd

Attention: Martin Gear - Project Manager Aggregates

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

Report Date: Thursday 13 June 2013

Test Date: Tuesday 11 June 2013

Sampling Procedure: Control

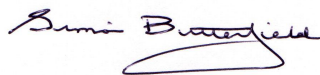
Sampled By: Pumps On: Pere Riini (Hanson)  
Pumps Off: Pere Riini (Hanson)

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 excavation of soil in the Infrastructure Area on the East Guyong Quarry Site					
1389	Field Blank	-	-	0.0/100	-
1220	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	0800 – 1445	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	0803 – 1448	1.00	0.0/100	< 0.01
2097	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0806 - 1451	1.00	0.0/100	< 0.01
1328	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0810 - 1455	1.00	0.0/100	< 0.01
3063	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0814 - 1458	1.00	0.0/100	< 0.01
3046	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0817 – 1458	1.00	0.0/100	< 0.01
1323	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0821 - 1506	1.00	1.0/100	< 0.01

Filter No.	Test Type Sample Location	Sample Period Start-Finish	Average Flow Rate (L/min)	Fibres/ Fields	Result(s) Fibres/mL
2243	Location N1 – Northern Boundary Fence of Infrastructure Area	0824 - 1509	1.00	0.0/100	< 0.01
343	Location N2 – Western Boundary Fence of Infrastructure Area	0828 - 1512	1.00	0.0/100	< 0.01
2175	Location N3 – Eastern Boundary Fence of Infrastructure Area	0836 - 1520	1.00	0.0/100	< 0.01
402	Location N4 – Southern Boundary Fence of Infrastructure Area	0831 – 1515	1.00	0.0/100	< 0.01
3028	Location N5 – Lunch Shed, Adjacent to New Access Road – On bench	0840 - 1524	1.00	0.0/100	< 0.01
Exposure monitoring during cutting and filling works in IA					
2104	Excavator Operator – John Willis (EODO)	0845 - 1529	1.00	2.0/100	< 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.



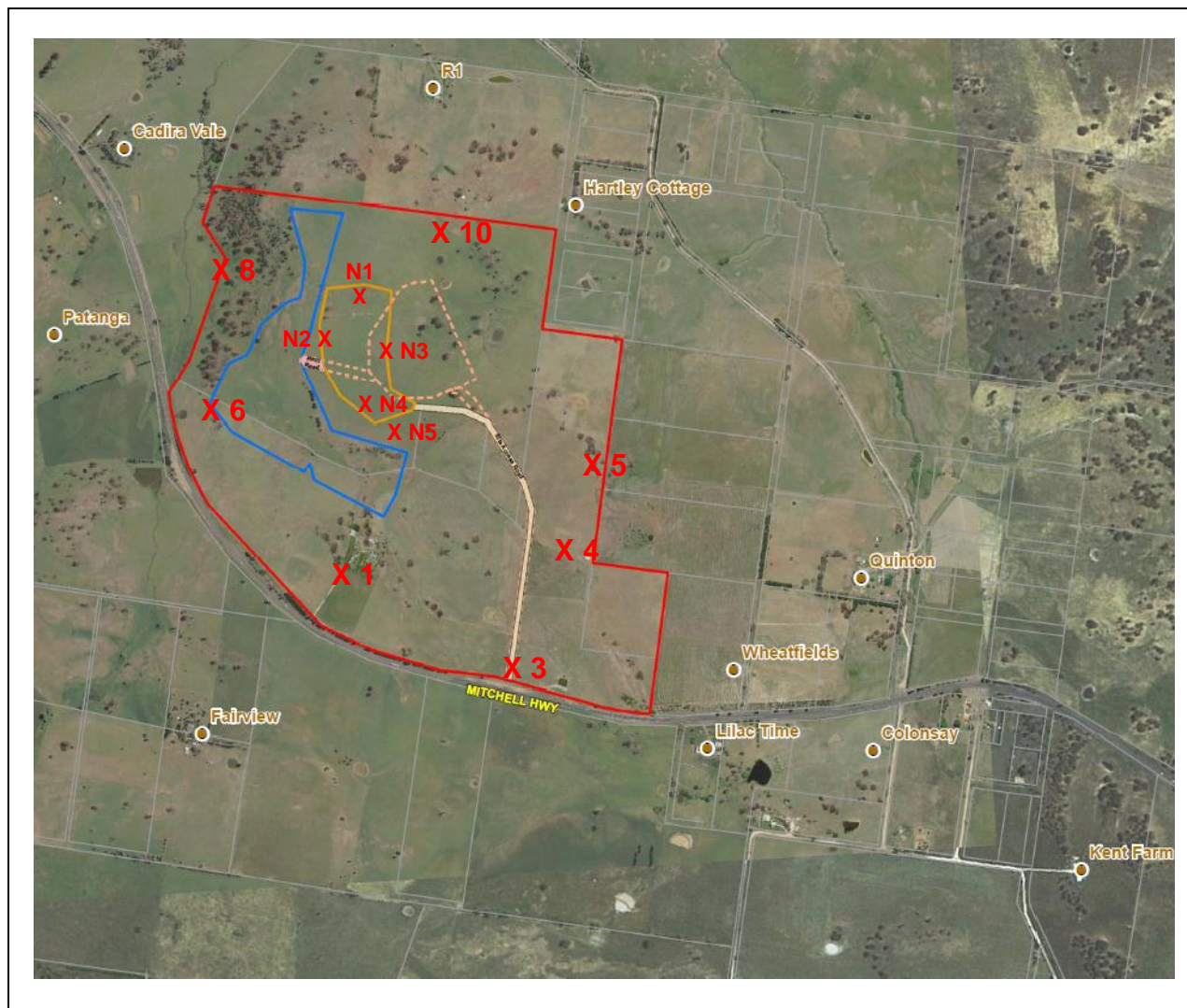
APPROVED COUNTER & SIGNATORY:  
SIMON BUTTERFIELD



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

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Figure 1 – Air Monitoring Location



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

Monitoring Date: 11<sup>th</sup> June 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:	709,216mE ; 6301,522mN
Location 3:	709,601mE ; 6300,370mN	Location N2:	709,069mE ; 6301,151mN
Location 4:	709,729mE ; 6300,716mN	Location N3:	709,396mE ; 6301,242mN
Location 5:	709,870mE ; 6300,905mN	Location N4:	709,224mE ; 6301,033mN
Location 6:	708,803mE ; 6301,185mN	Location N5:	709,340mE ; 6301,063mN
Location 8:	708,824mE ; 6301,587mN		
Location 10:	709,465mE ; 6301,633mN		

**Weather Conditions\***

General	Overcast-Fine	Wind Direction	Westerly - Northerly
Rainfall	0 mm	Wind Speed	2 – 15 km/h

\* East Guyong Quarry Weather Station