



A GREENCAP
CONSULTING COMPANY

Risk Management Services

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ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804.142-20130919

Client: Hanson Construction Materials Pty Ltd

Attention: Martin Gear - Project Manager Aggregates

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

Report Date: Tuesday 24 September 2013

Test Date: Thursday 19 September 2013

Sampling Procedure: Control

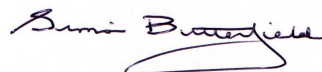
Sampled By: Pumps On: Pere Riini (Hanson)
Pumps Off: Pere Riini (Hanson)

Method: *Filters examined in accordance with Safe Work Australia's Guidance Note on the Membrane Filter Method for the Estimation of Airborne Asbestos Fibres, 2nd 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 earthworks in the Infrastructure Area on the East Guyong Quarry Site					
166402	Field Blank	-	-	0.0/100	-
169886	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	0732 – 1416	1.00	0.0/100	< 0.01
169381	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	0735 – 1419	1.00	0.0/100	< 0.01
169936	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0738 – 1421	1.00	0.0/100	< 0.01
169380	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0741 – 1424	1.00	0.0/100	< 0.01
166116	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0746 – 1430	1.00	0.0/100	< 0.01
169402	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0749 – 1433	1.00	0.0/100	< 0.01
166001	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0755 – 1436	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
169400	Location N1 – Northern Boundary Fence of Infrastructure Area	0758 – 1439	1.00	3.0/100	< 0.01
169837	Location N2 – Western Boundary Fence of Infrastructure Area	0807 – 1448	1.00	1.0/100	< 0.01
169447	Location N3 – Eastern Boundary Fence of Infrastructure Area	0801 – 1442	1.00	0.0/100	< 0.01
169414	Location N4 – Southern Boundary Fence of Infrastructure Area	0804 – 1445	1.00	0.0/100	< 0.01
Exposure/personal monitoring during earthworks in IA					
166007	Excavator Operator – John Willis (EODO)	0812 – 1455	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.



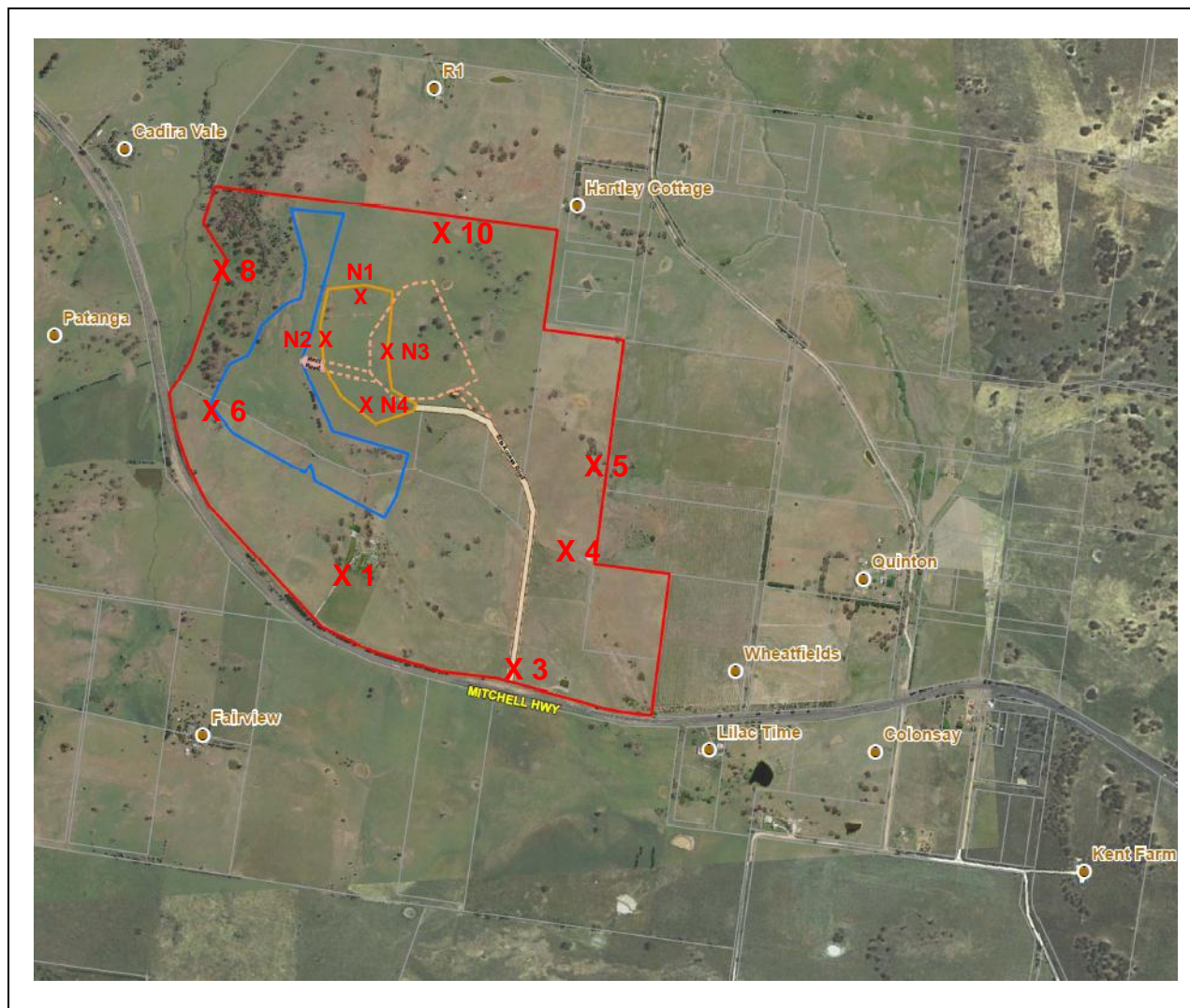
APPROVED COUNTER & SIGNATORY:
SIMON BUTTERFIELD



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

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in full.

Figure 1 – Air Monitoring Location



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

Monitoring Date: 19th September 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:	709,211mE ; 6301,528mN
Location 3:	709,601mE ; 6300,370mN	Location N2:	709,035mE ; 6301,323mN
Location 4:	709,729mE ; 6300,716mN	Location N3:	709,396mE ; 6301,245mN
Location 5:	709,870mE ; 6300,905mN	Location N4:	709,208mE ; 6301,040mN
Location 6:	708,803mE ; 6301,185mN		
Location 8:	708,824mE ; 6301,587mN		
Location 10:	709,465mE ; 6301,633mN		

Weather Conditions*

<i>General</i>	Overcast -Fine	<i>Wind Direction</i>	SW - WSW
<i>Rainfall</i>	0 mm	<i>Wind Speed</i>	17 – 41 km/h

* East Guyong Quarry Weather Station