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## ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804.141-20130913

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 19 September 2013 Test Date: Friday 13 September 2013
Sampling Procedure: Control Sampled By: Pumps On: Pere Riini (Hanson)

Pumps Off: Pere Riini (Hanson)

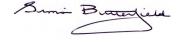
Method: Filters examined in accordance with Safe Work Australia's Guidance Note on the Membrane Filter Method for the Estimation of Airborne Asbestos Fibres, 2<sup>nd</sup> Edition, 2005 [NOHSC:3003: (2005)] – Refer NAA Internal Laboratory Test Method NALAB 301.

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 earthworks in the Infrastructure Area on the East Guyong Quarry Site					
166002	Field Blank	-	-	0.0/100	-
166012	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	0710 – 1401	1.00	0.0/100	< 0.01
166026	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	0713 – 1404	1.00	0.0/100	< 0.01
165998	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0716 – 1407	1.00	1.0/100	< 0.01
169406	Location 5 - Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary - On fencing post	0719 – 1410	1.00	2.0/100	< 0.01
169389	Location 6 - Western Boundary of Proposed Quarry Pit (near Western Site Boundary) - On barbed wire fence	0725 – 1414	1.00	0.0/100	< 0.01
169699	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0728 – 1417	1.00	0.0/100	< 0.01
165997	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0735 – 1422	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
169645	Location N1 - Northern Boundary Fence of Infrastructure Area	0738 – 1425	1.00	1.0/100	< 0.01
169365	Location N2 - Western Boundary Fence of Infrastructure Area	0741 – 1434	1.00	0.0/100	< 0.01
169395	Location N3 - Eastern Boundary Fence of Infrastructure Area	0744 – 1428	1.00	1.0/100	< 0.01
169939	Location N4 - Southern Boundary Fence of Infrastructure Area	0747 – 1431	1.00	0.0/100	< 0.01
Exposure/personal monitoring during earthworks in IA					
166010	Excavator Operator – John Willis (EODO)	0751 – 1439	1.00	1.0/100	< 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



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Figure 1 – Air Monitoring Location



## Air Monitoring Sampling Plan East Guyong Quarry Site

Monitoring Date: 13th September 2013

708,824mE; 6301,587mN 709,465mE; 6301,633mN

## Legend

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

ΑII	Monitoring	Location Coordinate	35

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:

Location 10:

Weather Conditions*				
General	Fine	Wind Direction	East - NE	
Rainfall	0 mm	Wind Speed	4 – 38 km/h	

<sup>\*</sup> East Guyong Quarry Weather Station

C107605:J111804.141-20130913 Page 3 of 3