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ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804.173-20131105

Client: Hanson Construction Materials Pty Ltd

Attention: Martin Gear - Project Manager Aggregates

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

Report Date: Friday 8 November 2013 Test Date: Tuesday 5 November 2013 Sampling Procedure: Control Sampled By: Pumps On: Pere Riini (Hanson)

Pumps Off: Pere Riini (Hanson)

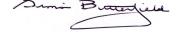
Method: Filters examined in accordance with Safe Work Australia's Guidance Note on the Membrane Filter Method for the Estimation of Airborne Asbestos Fibres, 2nd Edition, 2005 [NOHSC:3003: (2005)] – Refer NAA Internal Laboratory Test Method NALAB 301.

Filter No.	Test Type Sample Location	Sample Period Start-Finish	Average Flow Rate (L/min)	Fibres/ Fields	Result(s) Fibres/mL
Control/s	Control/static monitoring during earthworks in the Infrastructure Area on the East Guyong Quarry Site				
167090	Field Blank	-	-	0.0/100	-
167074	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	0730 – 1421	1.00	0.0/100	< 0.01
167089	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	0733 – 1424	1.00	0.0/100	< 0.01
167059	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0736 – 1427	1.00	0.0/100	< 0.01
167049	Location 5 - Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary - On fencing post	0739 – 1430	1.00	1.0/100	< 0.01
167084	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0742 – 1435	1.00	0.0/100	< 0.01
167057	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0745 – 1438	1.00	2.5/100	< 0.01
167077	Location 10 - Near Northern Boundary of Site (near NE Corner Site) - On fencing post	0749 – 1445	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
167035	Location N1 - Northern Boundary Fence of Infrastructure Area	0752 – 1448	1.00	0.0/100	< 0.01
167088	Location N2 - Western Boundary Fence of Infrastructure Area	0803 – 1457	1.00	1.0/100	< 0.01
167087	Location N3 - Eastern Boundary Fence of Infrastructure Area	0755 – 1451	1.00	0.0/100	< 0.01
167094	Location N4 - Southern Boundary Fence of Infrastructure Area	0758– 1457	1.00	0.0/100	< 0.01
Exposure/personal monitoring during earthworks in IA					
167096	Excavator Operator – John Willis (EODO)	0803 – 1502	1.00	0.0/100	< 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: 5th November 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	5

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		

Weather Conditions

Location 8:

Location 10:

Weather Conditions*				
General	Overcast - Fine	Wind Direction	Mostly Easterly	
Rainfall	0	Wind Speed	1.2 – 35 km/h	

^{*} East Guyong Quarry Weather Station

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