

Risk Management Services

NOEL ARNOLD & ASSOCIATES PTY LTD ACN. 006 318 010 ABN. 76 006 318 010 Level 2 11 Khartoum Board

Level 2, 11 Khartoum Road, North Ryde, NSW 2113 Australia Phone: (02) 9889 1800 Fax: (02) 9889 1811

Email: sydney@noel-arnold.com.au

www.noel-arnold.com.au

ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804.175-20131107

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 14 November 2013 Test Date: Thursday 7 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/static monitoring during earthworks in the Infrastructure Area on the East Guyong Quarry Site					
166964	Field Blank	-	-	0.0/100	-
166938	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 – 1410	1.00	0.0/100	< 0.01
166954	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	0725 – 1413	1.00	0.0/100	< 0.01
166950	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0728 – 1416	1.00	1.0/100	< 0.01
166942	Location 5 - Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary - On fencing post	0732 – 1419	1.00	0.0/100	< 0.01
166962	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0738 – 1425	1.00	0.0/100	< 0.01
166959	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0741 – 1428	1.00	0.0/100	< 0.01
166974	Location 10 - Near Northern Boundary of Site (near NE Corner Site) - On fencing post	0748 – 1435	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
167001	Location N1 - Northern Boundary Fence of Infrastructure Area	0751 – 1438	1.00	0.0/100	< 0.01
166920	Location N2 - Western Boundary Fence of Infrastructure Area	0801 – 1448	1.00	0.5/100	< 0.01
166940	Location N3 - Eastern Boundary Fence of Infrastructure Area	0754 – 1442	1.00	1.5/100	< 0.01
166996	Location N4 - Southern Boundary Fence of Infrastructure Area	0757 – 1445	1.00	0.0/100	< 0.01
Exposure/personal monitoring during earthworks in IA					
166994	Stripper Operator - Craig White (Badger Civil)	0805 – 1452	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.

Simi Burnield

APPROVED COUNTER & SIGNATORY: SIMON BUTTERFIELD

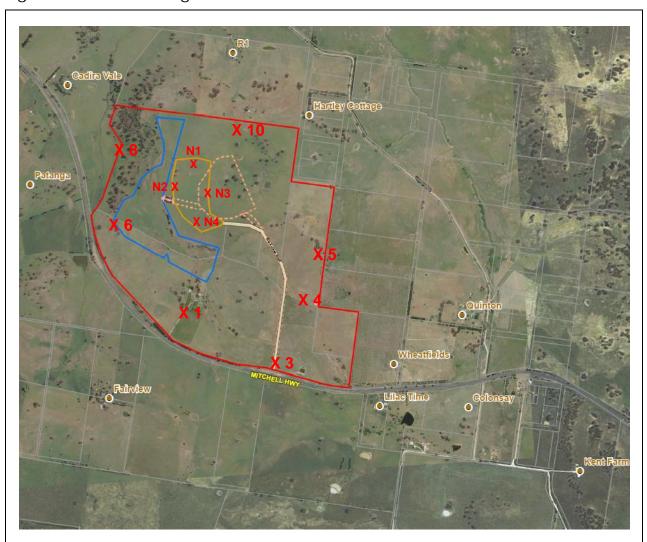


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Figure 1 – Air Monitoring Location



Air Monitoring Sampling Plan East Guyong Quarry Site

Monitoring Date: 7th 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	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	Mostly NW	
Rainfall	0	Wind Speed	2 – 34 km/h	

^{*} East Guyong Quarry Weather Station

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