

Risk Management Services

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ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref:

C107605:J111804 016-20120820

Client:

Hanson Construction Materials Pty Ltd

Attention:

Martin Gear - Project Manager Aggregates

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

Report Date: Monday 20th August 2012

Test Date:

Monday 20th August 2012

Sampling Procedure: Control

Sampled By: Pumps On: SM

Pumps Off: SM

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 scraping of topsoil adjacent Entry Road no. 3410								
1061	Field Blank	_	_	0.0/100	_			
1019	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	0840 – 1520	1.40	0.0/100	< 0.01			
1223A	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0850 – 1529	1.40	1.0/100	< 0.01			
927	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0856 – 1534	1.35	0.0/100	<0.01			
2016	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0905 – 1544	1.45	0.0/100	< 0.01			
332	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0912 – 1552	1.45	0.0/100	< 0.01			
1308	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0916 – 1555	1.40	1.0/100	< 0.01			
1223	Location 3.1 – Southern Boundary of Site, adjacent Mitchell Hwy, approx. 100m from Access Road Entry (no. 3410) – On barbed wire fence	0925 – 1605	1.40	0.0/100	< 0.01			
465	Location 3.2 – West of Mitchell Hwy Stockpile Site, approx. 60m Northwest of Location 3.1 – On fencing post	0926 – 1606	1.40	0.0/100	< 0.01			

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Filter No.	Test Type Sample Location	Sample Period Start-Finish	Average Flow Rate (L/min)	Fibres/ Fields	Result(s) Fibres/mL		
2155	Location 3.3 – North of Mitchell Hwy Stockpile, adjacent Pond Driveway, approx. 150m North of Location 3.1 – On barbed wire fence	0928 – 1607	1.45	0.0/100	< 0.01		
1232	Location 3.4 – Access Road from Access Road Entry (no. 3410), approx. 200m North of Mitchell Hwy, approx. 30m from Pond Driveway – On barbed wire fence	0920 – 1557	1.40	0.0/100	< 0.01		
2094	Location 3.5 – Access Road from Access Road Entry(no. 3410), East of Windmill – On barbed wire fence	0922 – XXXX	-	0.0/100	Void		
Exposure monitoring during scraping works							
2105A	John Willis – Excavator Operator (EODO)	0931 – 1610	1.40	0.0/100	< 0.01		

Note: Filter 2094 voided due to flow rate exceeding variation criteria (+/-10%).

APPROVED COUNTER: SIMON MIRALLES

Sumi Brandield

APPROVED SIGNATORY: SIMON BUTTERFIELD



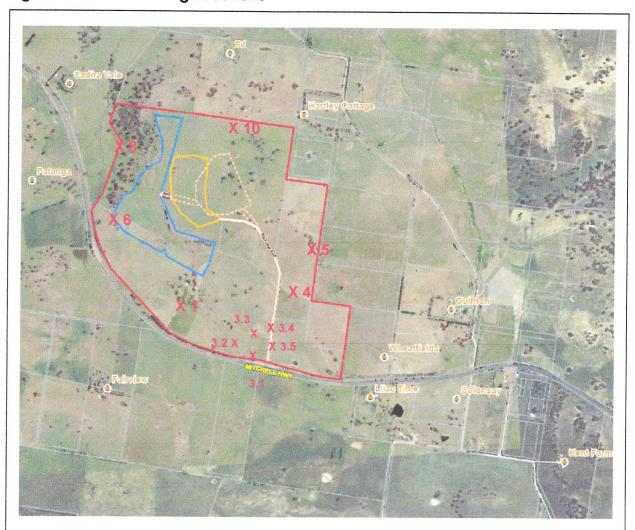
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Figure 1 – Air Monitoring Locations



Air Monitoring Sampling Plan East Guyong Quarry Site

Monitoring Date: 20th August 2012

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 3.1: 709,488mE; 6300,361mN Location 4: 709,729mE; 6300,716mN Location 3.2: 709,470mE; 6300,416mN Location 5: 709,870mE; 6300,905mN Location 3.3: 709,544mE; 6300,487mN Location 6: 708,803mE; 6301,185mN Location 3.4: 709,608mE; 6300,512mN Location 8: 708,824mE; 6301,587mN Location 3.5: 709,620mE; 6300,427mN Location 10: 709,465mE; 6301,633mN

Weather Conditions*

 General
 Fine & clear
 Wind Direction
 E – W

 Rainfall
 0.0 mm
 Wind Speed
 1.5 – 21.3 km/h

^{*} East Guyong Quarry Weather Station