

A GREENCAP
CONSULTING COMPANY

Risk Management Services

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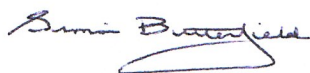
ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804 M017-20130123
Client: Hanson Construction Materials Pty Ltd
Attention: Martin Gear - Project Manager Aggregates
Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW
Report Date: Wednesday 23 January 2013 **Test Date:** Wednesday 23 January 2013
Sampling Procedure: Control **Sampled By:** Pumps On: SB
Pumps Off: SB

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 excavation works in the eastern section of the southern side of the Mitchell Highway Intersection Upgrade					
1112	Field Blank	-	-	0.0/100	-
2211	Location M1 - Southern Side of Mitchell Highway, East of Work Area – On signage	0731 – 1514	1.00	0.0/100	< 0.01
687	Location M2 - Southern Side of Mitchell Highway, West of Work Area – On fence post	0740 – 1520	1.00	5.0/100	< 0.01
2186	Location M3 - Southern Side of Mitchell Highway, South of Work Area (site compound) – On fence	0736 – 1518	1.00	4.5/100	< 0.01
2268	Location M4 - Northern Side of Mitchell Highway, North of Work Area – On road post	0754 – 1526	1.00	1.0/100	< 0.01
2145	Location M5 – Southern Side of Mitchell Highway, Site Compound, Lunch Shed – On bench	0744 – 1522	1.00	3.0/100	< 0.01
Control static monitoring during scraping of the topsoil for the new access road on the northern side of the East Guyong Quarry Site					
2150A	Location M6 - Northern Side of Mitchell Highway, South of Work Area – On fence	0800 – 1528	1.00	0.0/100	< 0.01
2195	Location M7 - Northern Side of Mitchell Highway, North of Work Area – On fence	0804 – 1544	1.00	0.0/100	< 0.01
348	Location M8 - Northern Side of Mitchell Highway, East of Work Area – On fence	0808 – 1538	1.00	0.0/100	< 0.01
1225	Location M9 - Northern Side of Mitchell Highway, West of Work Area – On rock outcrop	0834 – 1533	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
2079	Location M10 - Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres west of shed, On Access Road - On fence	0841 - 1530	1.00	1.0/100	< 0.01
Exposure monitoring during the excavation / scraping works					
2206	John Willis (EODO Pty Ltd) - Excavator Operator (for southern side of Mitchell Highway works)	0748 - 1240	1.50	2.0/100	< 0.01
2021	Dean Windsor (EODO Pty Ltd) - Surveyor Assistant / Spotter (for new access road)	0812 - 1542	1.00	2.5/100	< 0.01
1017	Simon Butterfield (NAA) - Surveillance & Spotter (for new access road & southern side of Mitchell Highway Upgrade Works)	0852 - 1236	2.00	8.0/100	< 0.01
1243	John Willis (EODO Pty Ltd) - Excavator Operator (for southern side of Mitchell Highway works)	1340 - 1556	2.50	2.0/100	< 0.01



**APPROVED COUNTER AND SIGNATORY :
SIMON BUTTERFIELD**



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Figure 1 – Air Monitoring Locations



**Air Monitoring Sampling Plan
East Guyong Quarry
Mitchell Highway Intersection
Upgrade Site**

Monitoring Date: 23rd January 2013

Legend

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

Air Monitoring Location Coordinates

Location M1: 709,804mE ; 6300,244mN	Location M2: 709,526mE ; 6300,313mN
Location M3: 709,557mE ; 6300,273mN	Location M4: 709,595mE ; 6300,316mN
Location M5: 709,545mE ; 6300,278mN	Location M6: 709,615mE ; 6300,537mN
Location M7: 709,452mE ; 6300,925mN	Location M8: 709,634mE ; 6300,633mN
Location M9: 709,557mE ; 6300,628mN	Location M10: 709,729mE ; 6300,716m

Weather Conditions*

General Fine to Overcast	Wind Direction Mostly Northerly
Rainfall 0.0 mm	Wind Speed 3 – 22 km/h

* East Guyong Quarry Weather Station