



A GREENCAP  
CONSULTING COMPANY

# Risk Management Services

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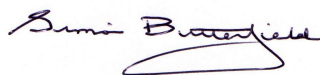
## ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804 029-20130204  
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 04 February 2013 Test Date: Monday 04 February 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, 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 construction works (scraping, excavation & filling) for the new access road on the East Guyong Quarry Site					
1341	Field Blank	-	-	0.0/100	-
1219	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	0945 – 1628	1.20	0.0/100	< 0.01
332	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	0950 – 1549	1.20	0.0/100	< 0.01
628	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0956 – 1553	1.20	0.0/100	< 0.01
2105A	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0959 – 1555	1.20	0.0/100	< 0.01
829	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	1022 – 1612	1.20	0.0/100	< 0.01
2162	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	1030 – 1619	1.20	0.0/100	< 0.01
2272	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	1019 – 1606	1.20	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
2001	Location N1 – North of Work Area, (approx. 15 metres north of new access road) – On fencing post	1006 – 1602	1.20	0.0/100	< 0.01
2006	Location N2 – West of Work Area (approx. 15 metres west of new access road) – On barbed wire fence	1009 – 1604	1.20	1.0/100	< 0.01
2200	Location N3 – East of Work Area (approx. 15 metres east of new access road) – On barbed wire fence	1004 – 1600	1.20	0.0/100	< 0.01
2119	Location N4 – South of Work Area (south end of new access road) – On barbed wire fence	0953 – 1551	1.20	0.0/100	< 0.01
Control static monitoring during excavation works in the eastern section of the southern side of the Mitchell Highway Intersection Upgrade					
446	Location M1 - Southern Side of Mitchell Highway, East of Work Area – On barrier	1055 – 1715	1.20	0.0/100	< 0.01
2210	Location M2 - Southern Side of Mitchell Highway, West of Work Area – On signage	1052 – 1708	1.20	2.0/100	< 0.01
744	Location M3 - Southern Side of Mitchell Highway, South of Work Area (site compound) – On fence	1058 – 1706	1.20	1.0/100	< 0.01
323	Location M4 - Northern Side of Mitchell Highway, North of Work Area – On service post	1107 – 1721	1.20	0.0/100	< 0.01
2105	Location M5 – Southern Side of Mitchell Highway, Site Compound, Lunch Shed – On bench	1049 – 1704	1.20	3.0/100	< 0.01
Exposure monitoring during excavation and filling works					
920A	Marty Rookyard – Excavator Operator (EODO) (for new access road)	1040 – 1701	1.20	3.0/100	< 0.01
2229	John Willis (EODO Pty Ltd) – Excavator Operator (for southern side of Mitchell Highway works)	1103 – 1703	1.20	1.0/100	< 0.01



APPROVED COUNTER AND SIGNATORY :  
SIMON BUTTERFIELD

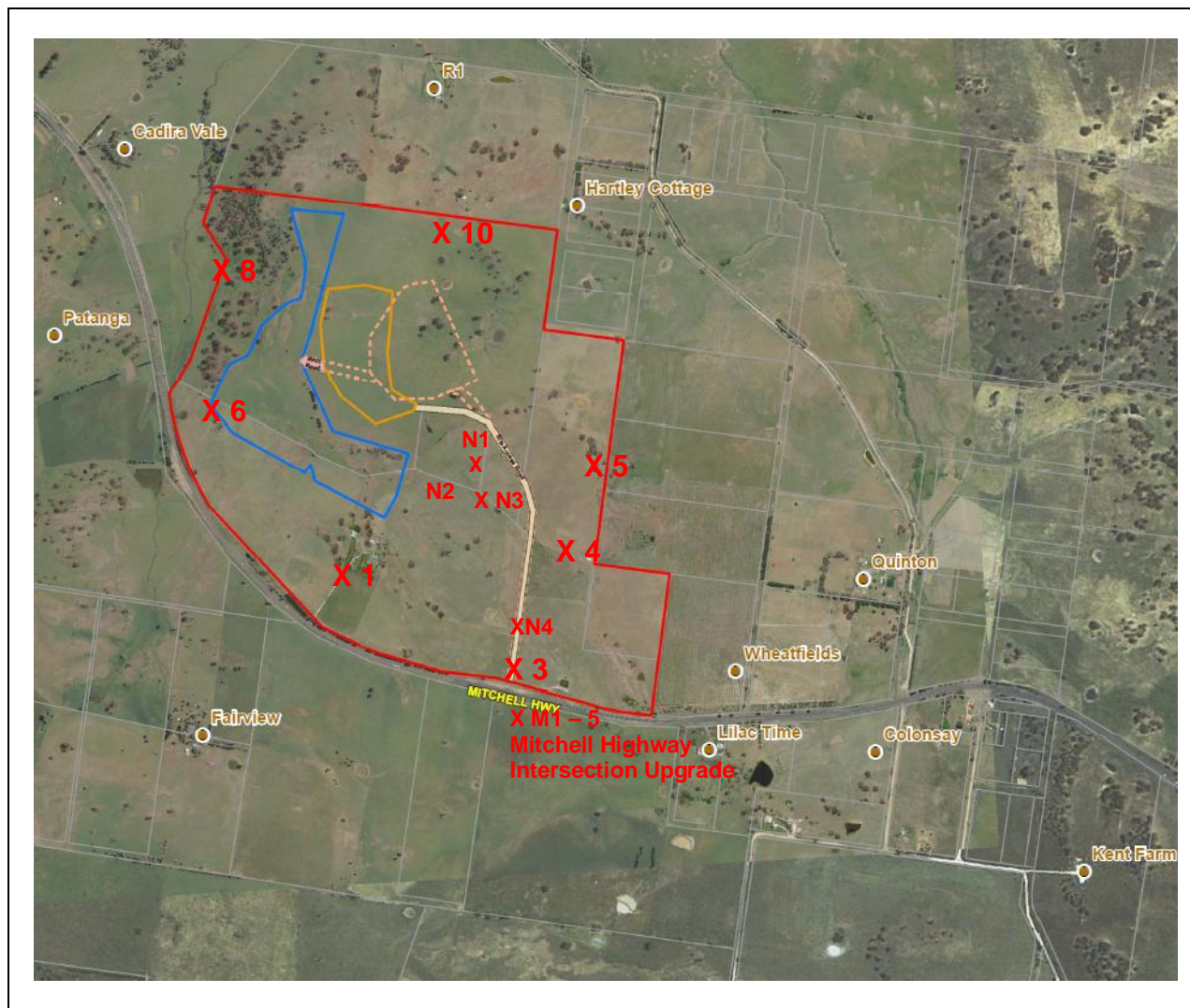


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Figure 1 – Air Monitoring Location



**Air Monitoring Sampling Plan  
East Guyong Quarry Site**

Monitoring Date: 4<sup>th</sup> February 2013

**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 N2:	709,380mE ; 6301,018mN
Location 3:	709,601mE ; 6300,370mN	Location N3:	709,446mE ; 6301,075mN
Location 4:	709,729mE ; 6300,716mN	Location N4:	709,621mE ; 6300,504mN
Location 5:	709,870mE ; 6300,905mN	Location M1:	709,811mE ; 6300,241mN
Location 6:	708,803mE ; 6301,185mN	Location M2:	709,603mE ; 6300,293mN
Location 8:	708,824mE ; 6301,587mN	Location M3:	709,556mE ; 6300,277mN
Location 10:	709,465mE ; 6301,633mN	Location M4:	709,662mE ; 6300,298mN
Location N1:	709,360mE ; 6301,148mN	Location M5:	709,543mE ; 6300,275mN

**Weather Conditions\***

General	Fine	Wind Direction	Mostly NE - East
Rainfall	0 mm	Wind Speed	0.4 – 16 km/h

\* East Guyong Quarry Weather Station