



A GREENCAP
CONSULTING COMPANY

Risk Management Services

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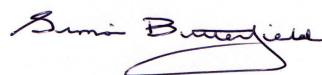
ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804 030-20130205
Client: Hanson Construction Materials Pty Ltd
Attention: Martin Gear - Project Manager Aggregates
Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW
Report Date: Tuesday 05 February 2013 Test Date: Tuesday 05 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, 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 construction works (scraping, excavation & filling) for the new access road on the East Guyong Quarry Site					
446	Field Blank	-	-	0.0/100	-
319	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	0720 – 1542	1.00	0.0/100	< 0.01
1015	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	0727 – 1548	1.00	0.0/100	< 0.01
411	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0733 – 1550	1.00	0.0/100	< 0.01
1234	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0741 – 1553	1.00	0.0/100	< 0.01
744	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0801 – 1613	1.00	0.0/100	< 0.01
2264	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0810 – 1619	1.00	0.0/100	< 0.01
2119	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0755 – 1606	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
2272	Location N1 – North of Work Area, (approx. 15 metres north of new access road) – On fencing post	0748 – 1559	1.00	0.0/100	< 0.01
2001	Location N2 – West of Work Area (approx. 15 metres west of new access road) – On barbed wire fence	0751 – 1602	1.00	0.0/100	< 0.01
2035	Location N3 – East of Work Area (approx. 15 metres east of new access road) – On barbed wire fence	0745 – 1557	1.00	0.0/100	< 0.01
2009	Location N4 – South of Work Area (south end of new access road) – On barbed wire fence	0730 – 1549	1.00	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					
453	Location M1 - Southern Side of Mitchell Highway, East of Work Area – On barrier	0850 – 1644	1.00	0.0/100	< 0.01
2175	Location M2 - Southern Side of Mitchell Highway, West of Work Area – On signage	0836 – 1640	1.00	9.0/100	< 0.01
2134	Location M3 - Southern Side of Mitchell Highway, South of Work Area (site compound) – On fence	0838 – 1632	1.00	6.5/100	< 0.01
948A	Location M4 - Northern Side of Mitchell Highway, North of Work Area – On service post	0854 – 1649	1.00	1.0/100	< 0.01
640	Location M5 – Southern Side of Mitchell Highway, Site Compound, Lunch Shed	0833 – 1704	1.00	2.0/100	< 0.01
Exposure monitoring during excavation and filling works					
2250	Jack Goddard – Compactor Operator (EODO) (for new access road)	0825 – 1240	1.50	1.0/100	< 0.01
317	Jack Goddard – Compactor Operator (EODO) (for new access road)	1243 – 1654	1.50	0.0/100	< 0.01
431	John Willis (EODO Pty Ltd) – Excavator Operator (for southern side of Mitchell Highway works)	0847 – 1635	1.00	2.5/100	< 0.01



APPROVED COUNTER AND SIGNATORY :
SIMON BUTTERFIELD

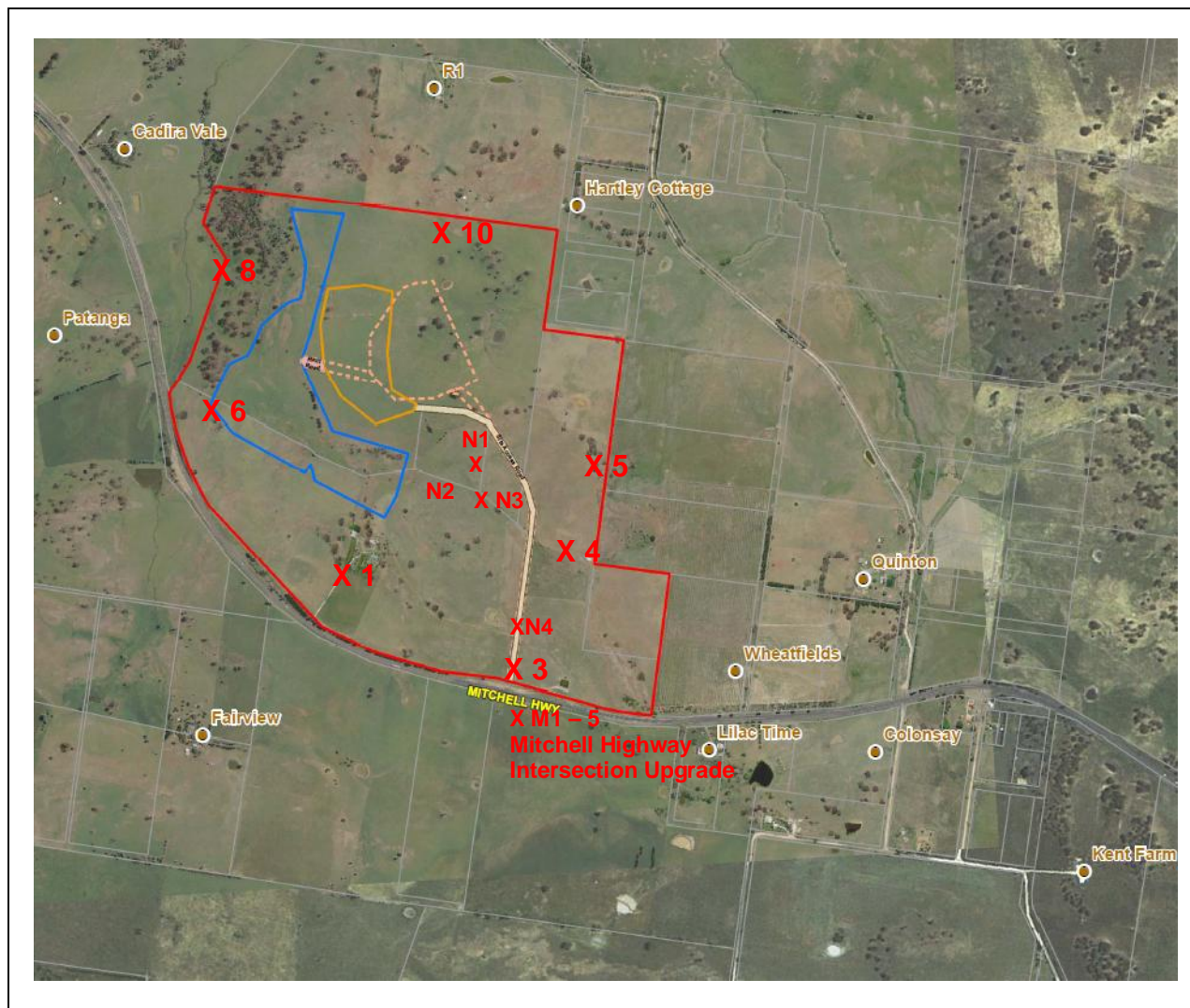


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Figure 1 – Air Monitoring Location



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

Monitoring Date: 5th 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	4 – 21 km/h

* East Guyong Quarry Weather Station