



A GREENCAP
CONSULTING COMPANY

Risk Management Services

NOEL ARNOLD & ASSOCIATES PTY LTD
A.C.N. 006 318 010 A.B.N. 75 006 318 010
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

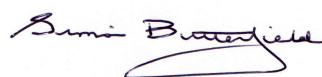
ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804 052-20130312
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 12 March 2013 Test Date: Tuesday 12 March 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 drilling works in the NW section of the Infrastructure Area on the East Guyong Quarry Site					
1356	Field Blank	-	-	0.0/100	-
1308	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	0740 – 1619	1.00	0.0/100	< 0.01
349	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	0808 – 1608	1.00	0.0/100	< 0.01
642	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0814 – 1610	1.00	0.0/100	< 0.01
2184	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0817 – 1613	1.00	0.0/100	< 0.01
1000	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0945 – 1644	1.00	1.0/100	< 0.01
1245	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0950 – 1654	1.00	0.0/100	< 0.01
416	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0828 – 1631	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
845	Location N1 – South of Work Area (NW section of Infrastructure Area) – On fencing post	0927 – 1640	1.00	0.0/100	< 0.01
502	Location N2 – West of Work Area (NW section of Infrastructure Area) – On fencing post	0925 – 1637	1.00	0.0/100	< 0.01
2077	Location N3 – East of Work Area (NW section of Infrastructure Area) – On fencing post	0909 – 1626	1.00	0.0/100	< 0.01
2232	Location N4 – North of Work Area (NW section of Infrastructure Area) – On fencing post	0912 – 1628	1.00	0.0/100	< 0.01
Control static monitoring during excavation works in the western section of the southern side of the Mitchell Highway Intersection Upgrade					
2180	Location M1 - Southern Side of Mitchell Highway, East of Work Area – On fence post	0746 – 1600	1.00	0.0/100	< 0.01
2166	Location M2 - Southern Side of Mitchell Highway, West of Work Area – On road marker	0756 – 1556	1.00	1.0/100	< 0.01
1360	Location M3 - Northern Side of Mitchell Highway, North of Work Area – On service post	0752 – 1558	1.00	0.0/100	< 0.01
908	Location M4 – Southern Side of Mitchell Highway, Site Compound, Lunch Shed	1013 – 1603	1.00	0.0/100	< 0.01
Exposure monitoring during excavation works					
1251	Dean Windsor (EODO Pty Ltd) – Surveyor Assistant / Spotter (Mitchell Highway works)	0759 – 1442	1.00	6.0/100	< 0.01



APPROVED COUNTER AND SIGNATORY :
SIMON BUTTERFIELD

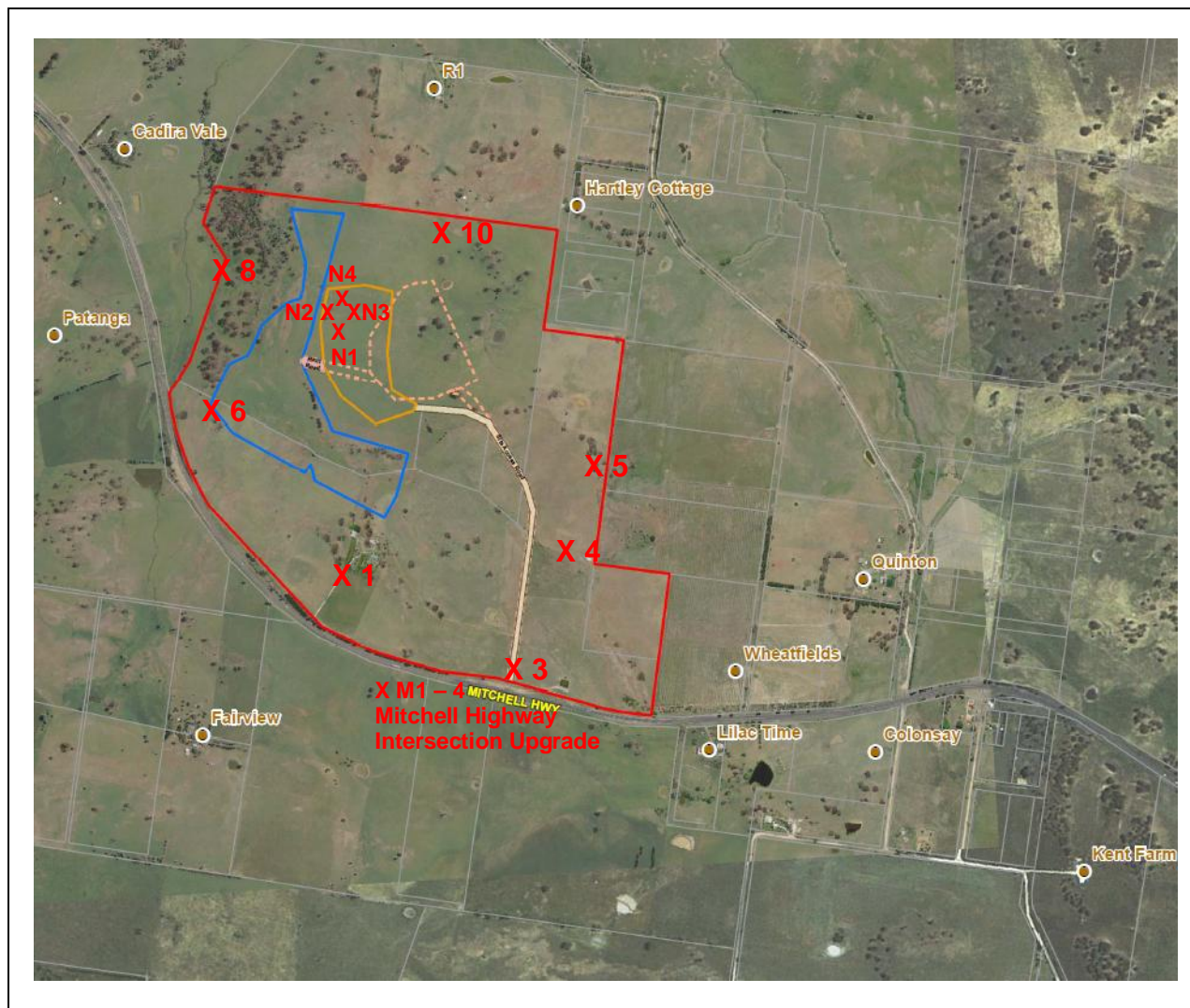


This document is issued in accordance with NATA's accreditation requirements.

Accredited for compliance with ISO/IEC 17025. Corporate Site No. 5450, Site No. 3402 Sydney Laboratory.

This document shall not be reproduced, except in full.

Figure 1 – Air Monitoring Location



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

Monitoring Date: 12th March 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 N1:	709,096mE ; 6301,288mN
Location 3:	709,601mE ; 6300,370mN	Location N2:	709,096mE ; 6301,423mN
Location 4:	709,729mE ; 6300,716mN	Location N3:	709,201mE ; 6301,380mN
Location 5:	709,870mE ; 6300,905mN	Location N4:	709,182mE ; 6300,483mN
Location 6:	708,803mE ; 6301,185mN	Location M1:	709,565mE ; 6300,303mN
Location 8:	708,824mE ; 6301,587mN	Location M2:	709,298mE ; 6300,384mN
Location 10:	709,465mE ; 6301,633mN	Location M3:	709,390mE ; 6300,373mN
		Location M4:	709,543mE ; 6300,275mN

Weather Conditions*

<i>General</i>	Fine – Partly Cloudy	<i>Wind Direction</i>	Mostly NE
<i>Rainfall</i>	0 mm	<i>Wind Speed</i>	1 – 18 km/h

* East Guyong Quarry Weather Station