



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](mailto:sydney@noel-arnold.com.au)  
[www.noel-arnold.com.au](http://www.noel-arnold.com.au)

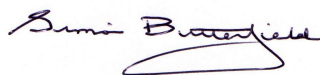
## ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804 028-20130201  
Client: Hanson Construction Materials Pty Ltd  
Attention: Martin Gear - Project Manager Aggregates  
Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW  
Report Date: Friday 01 February 2013 Test Date: Friday 01 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					
2074	Field Blank	-	-	0.0/100	-
2003	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	0713 – 1535	1.20	0.0/100	< 0.01
2055	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	0720 – 1434	1.20	0.0/100	< 0.01
2230	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0727 – 1438	1.20	0.0/100	< 0.01
331	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0730 – 1442	1.20	0.0/100	< 0.01
2216	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0758 – 1516	1.20	0.0/100	< 0.01
2070	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0806 – 1526	1.20	0.0/100	< 0.01
1211	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0752 – 1453	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
2185	Location N1 – North of Work Area, (approx. 15 metres north of new access road) – On fencing post	0743 – 1453	1.20	0.0/100	< 0.01
689	Location N2 – West of Work Area (approx. 15 metres west of new access road) – On barbed wire fence	0747 – 1458	1.20	0.0/100	< 0.01
2021	Location N3 – East of Work Area (approx. 15 metres east of new access road) – On barbed wire fence	0740 – 1450	1.20	0.0/100	< 0.01
2164	Location N4 – South of Work Area (south end of new access road) – On barbed wire fence	0724 – 1436	1.20	0.0/100	< 0.01
Exposure monitoring during scraping, excavation and filling works					
2023	Brett Brenton – Excavator Operator (EODO)	0737 – 1446	1.20	1.0/100	< 0.01
1310	Bree Fardon – Roller Operator (EODO)	0820 – 1505	1.20	0.0/100	< 0.01



APPROVED COUNTER AND SIGNATORY :  
SIMON BUTTERFIELD

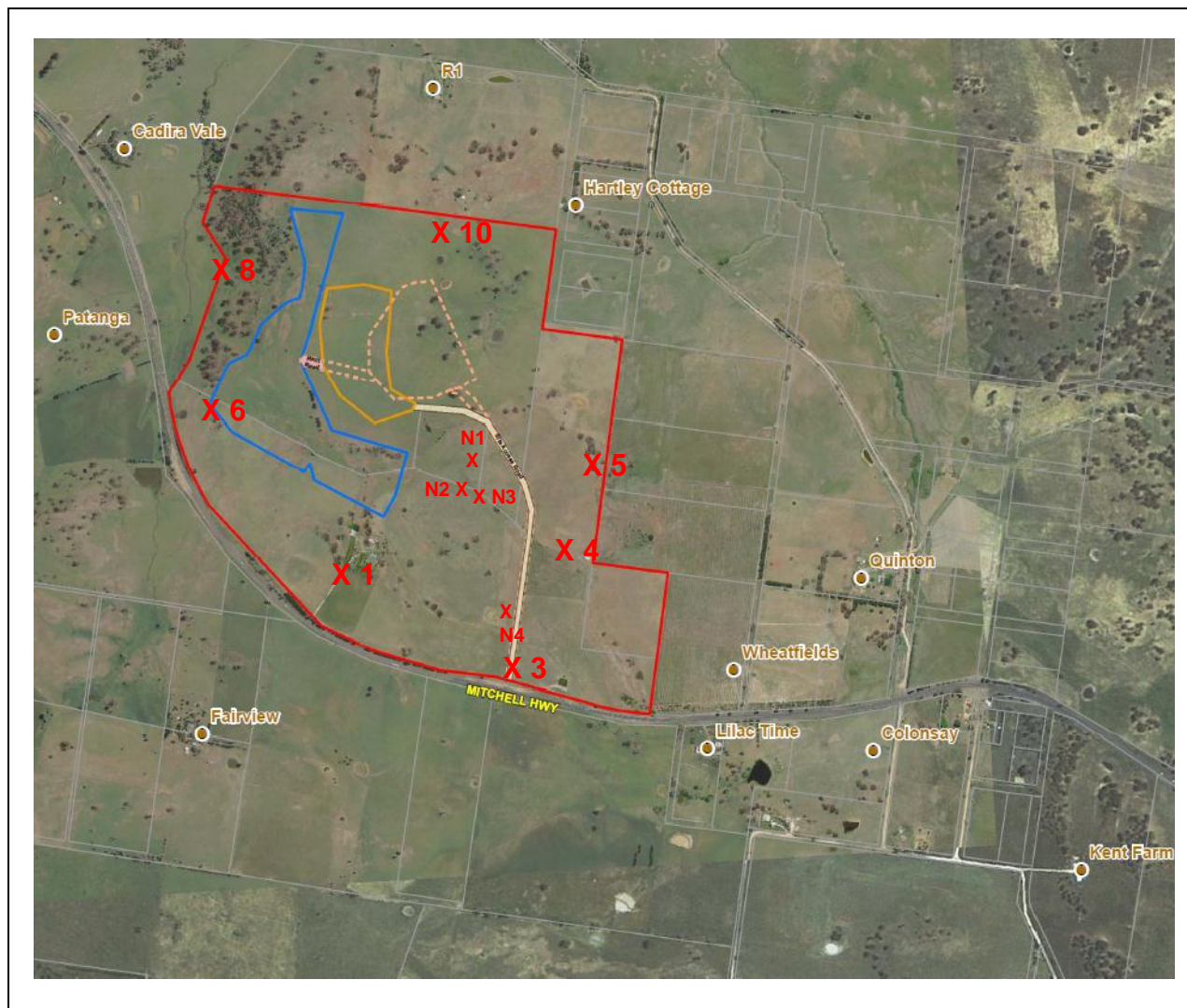


This document is issued in accordance with NATA's accreditation requirements.

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: 1<sup>st</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 10:	709,465mE ; 6301,633mN
Location 3:	709,601mE ; 6300,370mN	Location N1:	709,360mE ; 6301,148mN
Location 4:	709,729mE ; 6300,716mN	Location N2:	709,380mE ; 6301,018mN
Location 5:	709,870mE ; 6300,905mN	Location N3:	709,446mE ; 6301,075mN
Location 6:	708,803mE ; 6301,185mN	Location N4:	709,614mE ; 6300,537mN
Location 8:	708,824mE ; 6301,587mN		

**Weather Conditions\***

<i>General</i>	Fine to overcast (rain/ storm)	<i>Wind Direction</i>	NNW - SW
<i>Rainfall</i>	23.8 mm	<i>Wind Speed</i>	2 – 58 km/h

\* East Guyong Quarry Weather Station