



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 032-20130207

Client: Hanson Construction Materials Pty Ltd

Attention: Martin Gear - Project Manager Aggregates

Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW

Report Date: Thursday 07 February 2013

Test Date: Thursday 07 February 2013

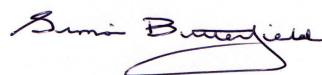
Sampling Procedure: Control

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 (excavation & filling) for the new access road on the East Guyong Quarry Site | | | | | |
| 2250 | Field Blank | - | - | 0.0/100 | - |
| 2134A | 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 | 0738 – 1532 | 1.00 | 0.0/100 | < 0.01 |
| 2035 | 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 | 0743 – 1538 | 1.00 | 0.0/100 | < 0.01 |
| 1015 | Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence | 0749 – 1542 | 1.00 | 0.0/100 | < 0.01 |
| 948A | Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post | 0752 – 1545 | 1.00 | 0.0/100 | < 0.01 |
| 411 | Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence | 0818 – 1616 | 1.00 | 0.0/100 | < 0.01 |
| 431 | Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence | 0825 – 1626 | 1.00 | 0.0/100 | < 0.01 |
| 1219 | Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post | 0810 – 1609 | 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 |
|--|--|-------------------------------|------------------------------|-------------------|------------------------|
| 640 | Location N1 – North of Work Area, (approx. 15 metres north of new access road) – On fencing post | 0803 – 1601 | 1.00 | 0.0/100 | < 0.01 |
| 2146A | Location N2 – West of Work Area (approx. 15 metres west of new access road) – On barbed wire fence | 0806 – 1603 | 1.00 | 0.0/100 | < 0.01 |
| 2105A | Location N3 – East of Work Area (approx. 15 metres east of new access road) – On barbed wire fence | 0800 – 1559 | 1.00 | 0.0/100 | < 0.01 |
| 446 | Location N4 – South of Work Area (south end of new access road) – On barbed wire fence | 0746 – 1535 | 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 | | | | | |
| 2001 | Location M1 - Southern Side of Mitchell Highway, East of Work Area – On barrier | 0909 – 1656 | 1.00 | 0.0/100 | < 0.01 |
| 2119 | Location M2 - Southern Side of Mitchell Highway, West of Work Area – On signage | 0859 – 1645 | 1.00 | 0.0/100 | < 0.01 |
| 2006 | Location M3 - Southern Side of Mitchell Highway, South of Work Area (site compound) – On fence | 0856 – 1643 | 1.00 | 1.0/100 | < 0.01 |
| 2210 | Location M4 - Northern Side of Mitchell Highway, North of Work Area – On service post | 0850 – 1640 | 1.00 | 0.0/100 | < 0.01 |
| 319 | Location M5 – Southern Side of Mitchell Highway, Site Compound, Lunch Shed | 0903 – 1648 | 1.00 | 2.0/100 | < 0.01 |
| Exposure monitoring during excavation and filling works | | | | | |
| 453 | Marty Rookyard – Excavator Operator (EODO) (for new access road) | 0836 – 1312 | 1.50 | 0.0/100 | < 0.01 |
| 1341 | Jack Goddard – Grader Operator (EODO) (for new access road) | 1324 – 1700 | 2.00 | 2.0/100 | < 0.01 |
| 2175 | John Willis (EODO Pty Ltd) – Excavator Operator (for southern side of Mitchell Highway works) | 0907 – 1647 | 1.00 | 1.0/100 | < 0.01 |



APPROVED COUNTER AND SIGNATORY :
SIMON BUTTERFIELD

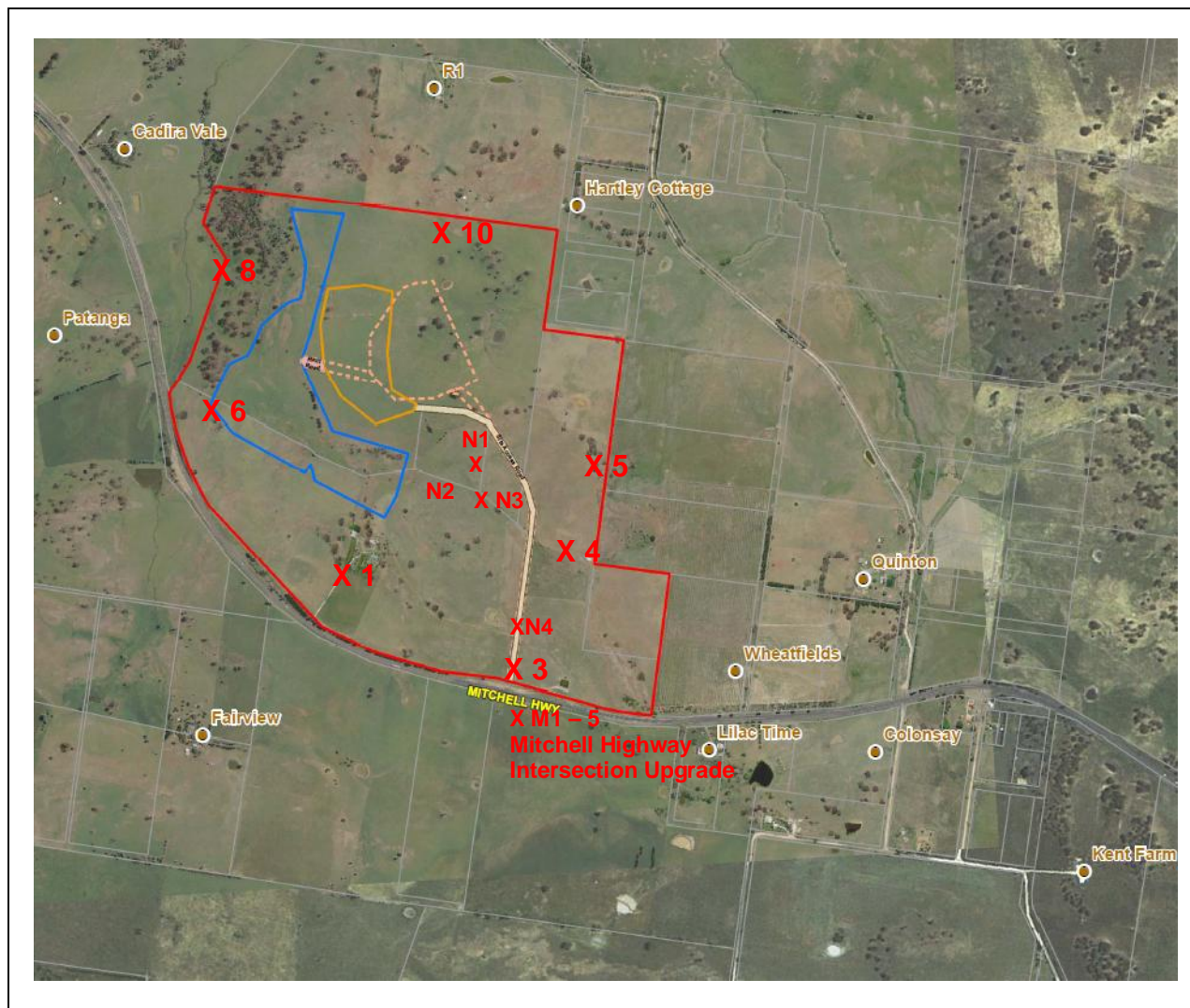


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Figure 1 – Air Monitoring Location



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

Monitoring Date: 7th 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*

| | | | |
|-----------------|----------------------|-----------------------|---------------|
| <i>General</i> | Fine – Partly Cloudy | <i>Wind Direction</i> | NNE - SW |
| <i>Rainfall</i> | 0 mm | <i>Wind Speed</i> | 0.5 – 17 km/h |

* East Guyong Quarry Weather Station