



A GREENCAP
CONSULTING COMPANY

Risk Management Services

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ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804 031-20130206

Client: Hanson Construction Materials Pty Ltd

Attention: Martin Gear - Project Manager Aggregates

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

Report Date: Wednesday 06 February 2013

Test Date: Wednesday 06 February 2013

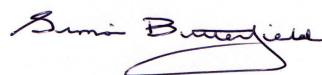
Sampling Procedure: Control

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 | | | | | |
| 1237 | Field Blank | - | - | 0.0/100 | - |
| 2105 | 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 | 0715 – 1514 | 1.00 | 0.0/100 | < 0.01 |
| 628 | 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 | 0718 – 1518 | 1.00 | 0.0/100 | < 0.01 |
| 2200 | Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence | 0726 – 1523 | 1.00 | 0.0/100 | < 0.01 |
| 2229 | Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post | 0729 – 1526 | 1.00 | 1.0/100 | < 0.01 |
| 323 | Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence | 0752 – 1548 | 1.00 | 1.0/100 | < 0.01 |
| 2272 | Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence | 0759 – 1557 | 1.00 | 0.0/100 | < 0.01 |
| 2006 | Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post | 0745 – 1606 | 1.00 | 1.0/100 | < 0.01 |

| Filter No. | Test Type Sample Location | Sample Period Start-Finish | Average Flow Rate (L/min) | Fibres/ Fields | Result(s) Fibres/mL |
|--|--|-------------------------------|------------------------------|-------------------|------------------------|
| 2210 | Location N1 – North of Work Area, (approx. 15 metres north of new access road) – On fencing post | 0739 – 1538 | 1.00 | 0.0/100 | < 0.01 |
| 948A | Location N2 – West of Work Area (approx. 15 metres west of new access road) – On barbed wire fence | 0742 – 1540 | 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 | 0735 – 1535 | 1.00 | 0.0/100 | < 0.01 |
| 317 | Location N4 – South of Work Area (south end of new access road) – On barbed wire fence | 0722 – 1520 | 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 | | | | | |
| 2264 | Location M1 - Southern Side of Mitchell Highway, East of Work Area – On barrier | 0853 – 1638 | 1.00 | 0.0/100 | < 0.01 |
| 2001 | Location M2 - Southern Side of Mitchell Highway, West of Work Area – On signage | 0916 – 1631 | 1.00 | 1.0/100 | < 0.01 |
| 744 | Location M3 - Southern Side of Mitchell Highway, South of Work Area (site compound) – On fence | 0846 – 1627 | 1.00 | 2.0/100 | < 0.01 |
| 2162 | Location M4 - Northern Side of Mitchell Highway, North of Work Area – On service post | 0838 – 1643 | 1.00 | 0.0/100 | < 0.01 |
| 829 | Location M5 – Southern Side of Mitchell Highway, Site Compound, Lunch Shed | 0843 – 1629 | 1.00 | 2.0/100 | < 0.01 |
| Exposure monitoring during excavation and filling works | | | | | |
| 1015 | Marty Rookyard – Excavator Operator (EODO) (for new access road) | 0812 – 1240 | 1.50 | 1.0/100 | < 0.01 |
| 332 | Brett Brenton – Grader Operator (EODO) (for new access road) | 1242 – 1650 | 1.50 | 1.0/100 | < 0.01 |
| 920A | John Willis (EODO Pty Ltd) – Excavator Operator (for southern side of Mitchell Highway works) | 0850 – 1637 | 1.00 | 6.0/100 | < 0.01 |



APPROVED COUNTER AND SIGNATORY :
SIMON BUTTERFIELD

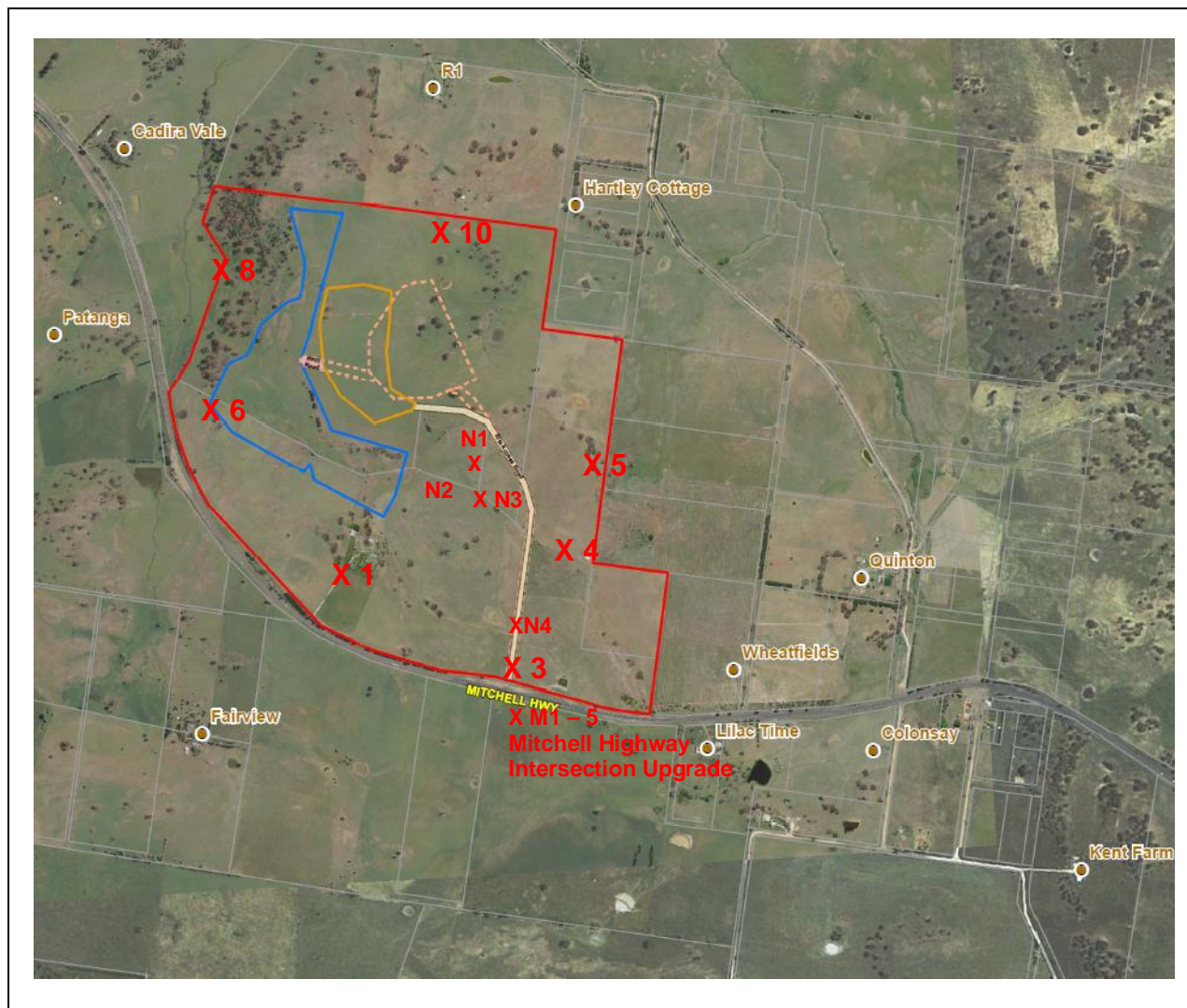


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Figure 1 – Air Monitoring Location



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

Monitoring Date: 6th 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> | Mostly NE - West |
| <i>Rainfall</i> | 0 mm | <i>Wind Speed</i> | 2 – 15 km/h |

* East Guyong Quarry Weather Station