



A GREENCAP
CONSULTING COMPANY

Risk Management Services

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ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804 056-20130318
Client: Hanson Construction Materials Pty Ltd
Attention: Martin Gear - Project Manager Aggregates
Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW
Report Date: Monday 18 March 2013 Test Date: Monday 18 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 | | | | | |
| 1389 | Field Blank | - | - | 0.0/100 | - |
| 1000 | 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 – 1508 | 1.00 | 0.0/100 | < 0.01 |
| 1066 | 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 | 0744 – 1511 | 1.00 | 0.0/100 | < 0.01 |
| 2035 | Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence | 0747 – 1514 | 1.00 | 1.0/100 | < 0.01 |
| 908 | Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post | 0750 – 1516 | 1.00 | 1.0/100 | < 0.01 |
| 2183 | Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence | 0819 – 1514 | 1.00 | 2.0/100 | < 0.01 |
| 1222 | Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence | 0824 – 1522 | 1.00 | 0.0/100 | < 0.01 |
| 1090 | Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post | 0757 – 1523 | 1.00 | 2.0/100 | < 0.01 |

| Filter No. | Test Type Sample Location | Sample Period Start-Finish | Average Flow Rate (L/min) | Fibres/ Fields | Result(s) Fibres/mL |
|--|--|-------------------------------|------------------------------|-------------------|------------------------|
| 2031 | Location N1 – South of Work Area (NW section of Infrastructure Area) – On fencing post | 0810 – 1532 | 1.00 | 2.0/100 | < 0.01 |
| 449 | Location N2 – West of Work Area (NW section of Infrastructure Area) – On fencing post | 0814 – 1530 | 1.00 | 0.0/100 | < 0.01 |
| 614 | Location N3 – East of Work Area (NW section of Infrastructure Area) – On fencing post | 0807 – 1528 | 1.00 | 1.0/100 | < 0.01 |
| 1077 | Location N4 – North of Work Area (NW section of Infrastructure Area) – On fencing post | 0804 – 1526 | 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 | | | | | |
| 230 | Location M1 - Southern Side of Mitchell Highway, East of Work Area – On fence post | 0908 – 1621 | 1.00 | 1.0/100 | < 0.01 |
| 335 | Location M2 - Southern Side of Mitchell Highway, West of Work Area – On fence post | 0914 – 1615 | 1.00 | 1.0/100 | < 0.01 |
| 2235 | Location M3 - Northern Side of Mitchell Highway, North of Work Area – On road marker | 0919 – 1610 | 1.00 | 0.0/100 | < 0.01 |
| 1367 | Location M4 – Southern Side of Mitchell Highway, Site Compound, Adjacent to Waste Bin | 0833 – 1618 | 1.00 | 8.0/100 | < 0.01 |
| Exposure monitoring during excavation works | | | | | |
| 2115 | Marty Rookyard (EODO Pty Ltd) – Excavator Operator (Mitchell Highway works) | 0931 – 1630 | 1.00 | 4.0/100 | < 0.01 |



APPROVED COUNTER AND SIGNATORY :
SIMON BUTTERFIELD

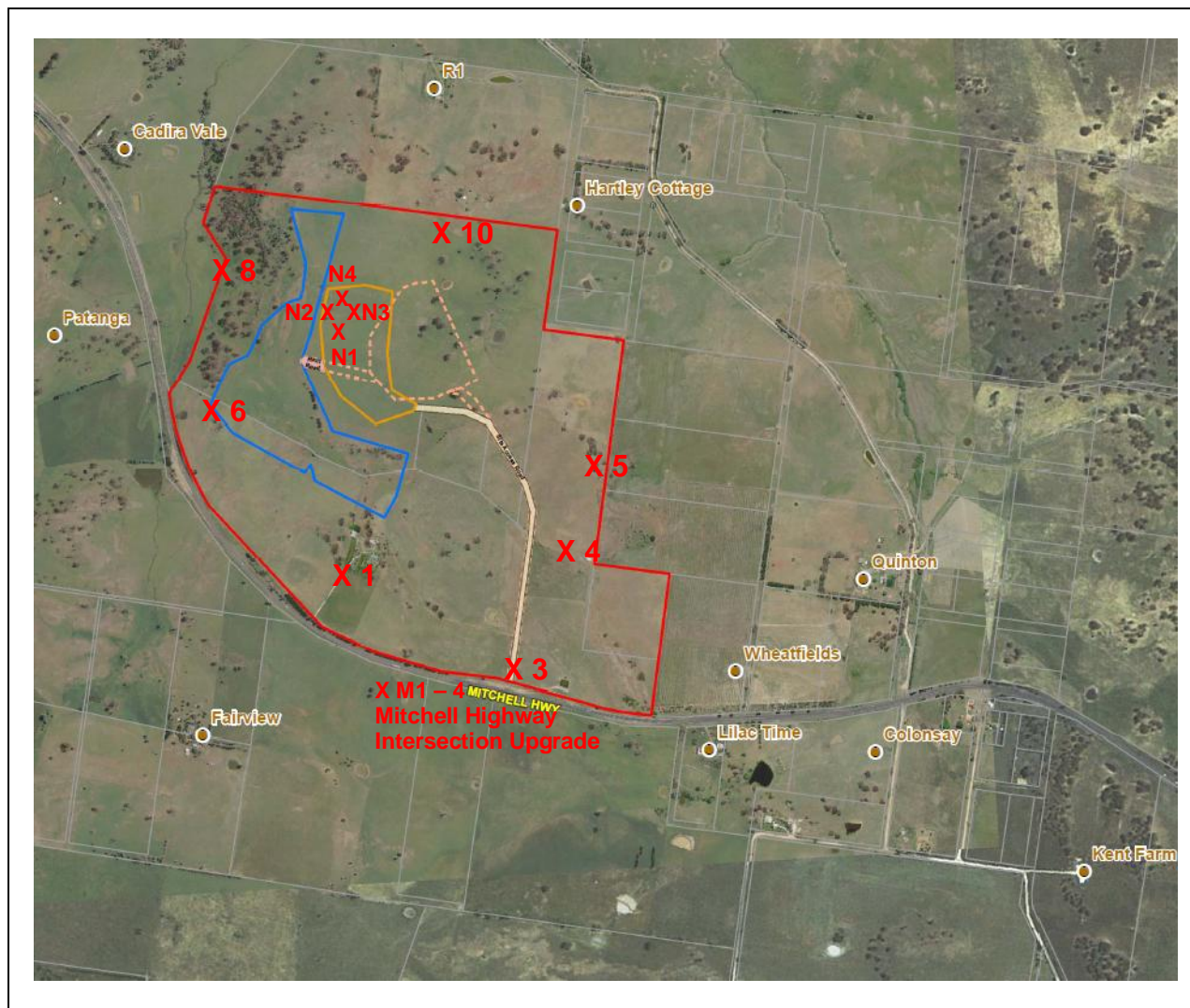


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Figure 1 – Air Monitoring Location



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

Monitoring Date: 18th 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: | 709,372mE ; 6300,364mN |
| Location 8: | 708,824mE ; 6301,587mN | Location M2: | 709,582mE ; 6300,300mN |
| Location 10: | 709,465mE ; 6301,633mN | Location M3: | 709,428mE ; 6300,364mN |
| | | Location M4: | 709,531mE ; 6300,292mN |

Weather Conditions*

| | | | |
|-----------------|----------------------|-----------------------|------------------|
| <i>General</i> | Fine - Mostly Cloudy | <i>Wind Direction</i> | Mostly Northerly |
| <i>Rainfall</i> | 0 mm | <i>Wind Speed</i> | 1 – 12 km/h |

* East Guyong Quarry Weather Station