

ASBESTOS FIBRE AIR MONITORING REPORT

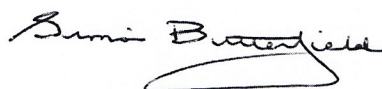
Our Ref: C107605:J111804.005-20120720-Background Day 5
Client: Hanson Construction Materials Pty Ltd
Attention: Martin Gear - Project Manager Aggregates
Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW
Report Date: Saturday 21 July 2012 **Test Date:** Friday 20 July 2012
Sampling Procedure: 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
Background monitoring of ambient air conditions					
1391	Field Blank	-	-	0.0/100	-
1249	Location 1 – Near Southern Boundary of Site, Access Road to Residence (No.3472) off Mitchell Highway, approx. 120 metres north of south site boundary	0750 – 1452	1.20	0.0/100	< 0.01
1066	Location 2 – Near Southern Boundary (SE Corner) of Proposed Quarry Pit (North of Residence No.3472)	0836 – 1455	1.20	0.0/100	< 0.01
939A	Location 3 – Near Southern Boundary (SE Corner) of Site, Access Road Entry (No.3410) off Mitchell Highway, approx. 20 metres from south site boundary	0737 – 1435	1.20	0.0/100	< 0.01
203	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres west of shed, On Access Road	0740 – 1445	1.20	0.0/100	< 0.01
2103	Location 5 – Near Eastern Boundary (near centre) of Site, approx. 50 metres west of east site boundary	0743 – 1448	1.20	0.0/100	< 0.01
2027	Location 6 – Western Boundary of Proposed Quarry Pit (near western site boundary)	0755 – 1458	1.20	0.0/100	< 0.01
1054	Location 7 – Eastern Boundary of Proposed Quarry Pit (near western site boundary)	0800 – 1503	1.20	0.0/100	< 0.01
223	Location 8 – Western Boundary (near NW corner) of Site	0802 – 1506	1.20	0.0/100	< 0.01
1015	Location 9 – Northern Boundary of Proposed Quarry Pit (near northern site boundary)	0812 – 1513	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
943A	Location 10 – Near Northern Boundary of Site (near NE corner site)	0827 – XXXX	-	0.0/100	Voided*
1215	Location 11 – Northern Boundary of Proposed Infrastructure Area (near centre)	0825 – 1525	1.20	0.0/100	< 0.01
225	Location 12 – West of Proposed Infrastructure Area, 50 metres of existing dam (NOA outcrop area)	0832 – 1532	1.20	1.0/100	< 0.01
2023	Location 13 – Southern Boundary of Proposed Infrastructure Area (near centre)	0820 – 1520	1.20	0.0/100	< 0.01
737	Location 14 – Near Centre-West Section of Proposed Infrastructure Area	0823 – 1524	1.20	0.0/100	< 0.01
2024	Location 15 – Eastern Boundary of Proposed Infrastructure Area (proposed storage dam)	0822 – 1522	1.20	0.0/100	< 0.01

* The result for Filter Sample No. 943A is "voided" due to the exceedance of the flow rate variation criteria (+/- 10%).



**APPROVED COUNTER AND SIGNATORY:
SIMON BUTTERFIELD**



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Figure 1 – Air Monitoring Locations



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

Monitoring Date: 20 July 2012

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 9:	709,032mE ; 6301,723mN
Location 2:	709,179mE ; 6300,895mN	Location 10:	709,465mE ; 6301,633mN
Location 3:	709,597mE ; 6300,363mN	Location 11:	709,229mE ; 6301,504mN
Location 4:	709,729mE ; 6300,716mN	Location 12:	709,499mE ; 6301,287mN
Location 5:	709,870mE ; 6300,905mN	Location 13:	709,283mE ; 6301,101mN
Location 6:	708,803mE ; 6301,185mN	Location 14:	709,175mE ; 6301,314mN
Location 7:	709,022mE ; 6301,282mN	Location 15:	709,283mE ; 6301,302mN
Location 8:	708,824mE ; 6301,587mN		

Weather Conditions*

General	Fine and sunny	Wind Direction	Mostly SSW to S
Rainfall	0 mm	Wind Speed	4.1 – 45.1 km/h

* East Guyong Quarry Weather Station