

A GREENCAP
CONSULTING COMPANY

Risk Management Services

NOEL ARNOLD & ASSOCIATES PTY LTD
A.C.N. 006 318 010 A.B.N. 76 006 318 010
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 025-20121018

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 18 October 2012

Test Date: Thursday 18 October 2012

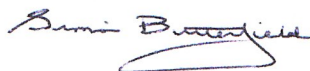
Sampling Procedure: Control

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
Control static monitoring during placement of stockpile in containment under proposed bund wall located approximately 50 metres west of the northern end of the Access Road Entry No. 3410					
2137A	Field Blank	-	-	0.0/100	-
2204	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	0903 – 1612	1.20	0.0/100	< 0.01
2235	Location 3 – Near Southern Boundary (SE Corner) of Site, Access Road Entry (No.3410) off Mitchell Highway, approx. 30 metres from South Site Boundary – On barbed wire fence	0849 – 1621	1.20	0.0/100	< 0.01
2103	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0854 – 1526	1.20	0.0/100	< 0.01
932A	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0857 – 1529	1.20	0.0/100	< 0.01
1019	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0923 – 1556	1.20	0.0/100	< 0.01
2122A	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0930 – 1601	1.20	0.0/100	< 0.01
942A	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0913 – 1549	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
2011	Location S1 – North of Excavated Area, (approx. 15 metres north of excavation area) – On barbed wire fence	1019 – 1631	1.50	1.0/100	< 0.01
1310	Location S2 – West Side of Access Road (No.3410), Northern End Adjacent to Gate, East of Excavated Area (approx. 40 metres east of excavation area) – On barbed wire fence	1024 – 1624	1.50	0.0/100	< 0.01
743	Location S3 – West of Excavated Area (approx. 50 metres west excavation area) – On picket post	1028 – 1629	1.50	0.0/100	< 0.01
911A	Location S4 – South of excavated Area (approx. 50 metres south of excavation area) – On picket post	1032 – 1627	1.50	0.0/100	< 0.01
Exposure monitoring during excavation works					
2031	John Willis – Excavator Operator (EODO)	1015 – 1633	1.50	1.0/100	< 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 Locations



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

Monitoring Date: 18th October 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 10:	709,465mE ; 6301,633mN
Location 3:	709,600mE ; 6300,365mN	Location S1:	709,622mE ; 6300,804mN
Location 4:	709,729mE ; 6300,716mN	Location S2:	709,656mE ; 6300,748mN
Location 5:	709,870mE ; 6300,905mN	Location S3:	709,548mE ; 6300,803mN
Location 6:	708,803mE ; 6301,185mN	Location S4:	709,618mE ; 6300,691mN
Location 8:	708,824mE ; 6301,587mN		

Weather Conditions*

General	Fine	Wind Direction	NE - North
Rainfall	0.0 mm	Wind Speed	6 – 19 km/h

* East Guyong Quarry Weather Station