



**ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT**

REPORT TO: Earth Plant Hire

REPORT ON: Molong Quarry
Dust Results - February 2018

REPORT NO: 24006435

PERIOD OF EXPOSURE: Typically 30 days +/- 2 days

SAMPLED BY: Client

REPORTED BY: T. MacPhee

Stephanie Thompson
Environmental Sampling Supervisor



Accreditation # 15784
Site # 11436

Accredited for compliance with ISO/IEC 17025.

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A Campbell Brothers Limited Company

ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT



Molong Quarry

Month Feb-18
Date Replaced 7/02/2018
Date Collected 12/03/2018

DUST DEPOSITION RESULTS

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>COMBUSTIBLE MATTER</u>	<u>ASH</u>
	mg	mg	mg
Faulkner	14.3	9.6	4.7
Quarry	1272.8	794.4	478.3
M'Smith	77.2	52.0	25.2
Pankhurst	59.8	39.5	20.3

No. of days exposed: 33

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Date Replaced 7/02/2018
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DUST DEPOSITION RESULTS

(g/m².month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>COMBUSTIBLE MATTER</u>	<u>ASH</u>
Faulkner	0.5	0.2	0.3
Quarry	40.9	16.3	24.6
M'Smith	3.1	1.6	1.5
Pankhurst	2.0	1.0	1.0

No. of days exposed: 33

Analysed in accordance with AS3580.10.1
NATA accreditation does not apply for results reported in g/m².mth as sampling data was provided by the client.

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DEPOSIT GAUGE OBSERVATIONS

GAUGE	ANALYSIS OBSERVATIONS
Faulkner	Clear, organic matter, fine brown dust & coarse Black dust
Quarry	Slightly Cloudy, Insects, organic matter, fine Grey dust & coarse Black dust
M'Smith	Clear, Insects, Fine Brown dust & Coarse Black dust
Pankhurst	Slightly Cloudy, insects, Algae, Organic Matter, fine grey dust & coarse black dust

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METHODS OF ANALYSIS

Tests for results issued in this report have been carried out at the following NATA accredited laboratories in accordance with the methods as detailed below:-

TEST	METHOD	LABORATORY
		ACIRL Lithgow NATA Accreditation #11436
Dust Deposited matter gravimetric method	3580.10.1	X

ACIRL Report No:

24006435

In accordance with "Methods for sampling and analysis of ambient air.
Method 10.1: Determination of particulate matter- Deposited matter-Gravimetric method"
Standards Australia, 2003