



**ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT**

REPORT TO: Earth Plant Hire

REPORT ON: Molong Quarry
Dust Results -December- 2018

REPORT NO: 24006787-3

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 Dec-18
Date Replaced 22/11/2018
Date Collected 24/12/2018

DUST DEPOSITION RESULTS

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>COMBUSTIBLE MATTER</u>	<u>ASH</u>
	mg	mg	mg
Faulkner	Lost sample - Broken bottle		
Pankhurst	33.15	21.04	12.11
M.Smith	72.60	44.71	27.89
Quarry	114.20	71.12	43.08

No. of days exposed: 32

Faulkner: Broken bottle lost sample

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Molong Quarry

Month Dec-18
Date Replaced 22/11/2018
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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		Broken Bottle -no sample	
Pankhurst	1.1	0.5	0.6
M.Smith	2.7	1.0	1.7
Quarry	3.8	1.5	2.3

No. of days exposed: 32

*Faulkner: Broken bottle lost sample

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	No Sample Bottle broken
Pankhurst	Slightly cloudy, insects, organic matter, fine brown dust, coarse black dust
M. Smith	Slightly cloudy, organic matter, fine brown/orange dust, coarse black dust.
Quarry	Slightly cloudy, insects, organic matter fine brown 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: 24006787-3

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