



**ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT**

REPORT TO: Earth Plant Hire

REPORT ON: Molong Quarry
Dust Results - February 2019

REPORT NO: 24006841-01

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

SAMPLED BY: Client

REPORTED BY: T.MacPhee

Stephanie Thompson
Environmental Sampling Supervisor



Accreditation # 15784
Site # 11436

WORLD RECOGNISED
ACCREDITATION

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-19
Date Replaced 18/01/2019
Date Collected 19/02/2019

DUST DEPOSITION RESULTS

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>COMBUSTIBLE MATTER</u>	<u>ASH</u>
	mg	mg	mg
Faulkner	8.62	4.91	3.71
Pankhurst	211.75	168.82	42.93
M.Smith	157.29	104.79	52.50
Quarry	406.15	240.55	165.60

No. of days exposed: 32

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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	0.3	0.1	0.2
Pankhurst	9.0	6.7	2.3
M.Smith	6.4	3.2	3.2
Quarry	12.8	4.0	8.8

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	Clear, fine brown dust , coarse brown dust.
Pankhurst	Slightly cloudy, insects, organic matter, fine brown dust,coarse black dust.
M.Smith	Clear, insects, organic matter, fine brown dust, course black dust.
Quarry	Clear, insects, organic matter, fine brown dust, course brown/black/green 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: 24006841-01

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