



**ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT**

REPORT TO: Earth Plant Hire

REPORT ON: Molong Quarry
Dust Results -September 2018

REPORT NO: 24006749

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

SAMPLED BY: Client

REPORTED BY: S. Thompson

Stephanie Thompson
Environmental Sampling Supervisor



Accreditation # 15784
Site # 11436

Accredited for compliance with ISO/IEC 17025.

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ACIRL Pty Ltd
ABN 41 000 513 888
Part of the ALS Laboratory Group
Unit 3, 16 Donald Street
LITHGOW NSW 2790
Phone +61 2 6350 7400 Fax +61 2 6352 3583 www.alsglobal.com
A Campbell Brothers Limited Company

ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT



Molong Quarry

Month Sep-18
Date Replaced 28/08/2018
Date Collected 19/09/2018

DUST DEPOSITION RESULTS

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>COMBUSTIBLE MATTER</u>	<u>ASH</u>
	mg	mg	mg
Faulkner	82.90	45.80	37.10
M'Smith	287.40	161.20	126.20
Quarry	346.00	229.80	116.20
Pankhurst	77.10	45.30	31.80

No. of days exposed: 22

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Date Replaced 28/08/2018
Date Collected 19/09/2018

DUST DEPOSITION RESULTS

(g/m².month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>COMBUSTIBLE MATTER</u>	<u>ASH</u>
Faulkner	3.7	0.7	3.0
M'Smith	14.3	3.1	11.2
Quarry	17.7	8.7	9.0
Pankhurst	3.5	1	2.5

No. of days exposed: 22

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/ Red Dust, Course Brown Dust.
M'Smith	Slightly Cloudy, Fine Brown Dust, Course Brown/ Black Dust
Quarry	Slightly Cloudy, insects, Organic Matter, Fine Grey/ brown Dust, Course brown Dust.
Pankhurst	Clear, Organic Matter, Fine Red Dust, Course 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:

24006749

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