



**ALS AIRBORNE DUST  
ANALYSIS AND TESTING REPORT**

**REPORT TO:** Earth Plant Hire

**REPORT ON:** Molong Quarry  
Dust Results - July 2018

**REPORT NO:** 24006656

**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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A Campbell Brothers Limited Company

**ALS AIRBORNE DUST  
ANALYSIS AND TESTING REPORT**



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**Molong Quarry**

Month                    Jul-18  
Date Replaced        27/06/2018  
Date Collected      31/07/2018

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**DUST DEPOSITION RESULTS**

| <u>GAUGE NO.</u> | <u>INSOLUBLE SOLIDS</u> | <u>COMBUSTIBLE MATTER</u> | <u>ASH</u> |
|------------------|-------------------------|---------------------------|------------|
|                  | mg                      | mg                        | mg         |
| Quarry           | 169.32                  | 104.46                    | 64.86      |
| Pankhurst        | 43.70                   | 28.67                     | 15.03      |
| M'Smith          | 18.70                   | 11.42                     | 7.28       |
| Faulkner         | 19.40                   | 11.94                     | 7.46       |

No. of days exposed:                    34

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**DUST DEPOSITION RESULTS**

(g/m<sup>2</sup>.month)

| <u>GAUGE NO.</u> | <u>INSOLUBLE SOLIDS</u> | <u>COMBUSTIBLE MATTER</u> | <u>ASH</u> |
|------------------|-------------------------|---------------------------|------------|
| Quarry           | 5.2                     | 2.0                       | 3.2        |
| Pankhurst        | 1.4                     | 0.6                       | 0.8        |
| M'Smith          | 0.7                     | 0.3                       | 0.4        |
| Faulkner         | 0.6                     | 0.2                       | 0.4        |

No. of days exposed: 34

Analysed in accordance with AS3580.10.1  
NATA accreditation does not apply for results reported in g/m<sup>2</sup>.mth as sampling data was provided by the client.

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**DEPOSIT GAUGE OBSERVATIONS**

| <b>GAUGE</b> | <b>ANALYSIS OBSERVATIONS</b>  |
|--------------|---|
| Quarry       | Cloudy, Organic Matter, Fine Green Dust, Course Black Dust.                                     |
| Pankhurst    | Cloudy, Organic Matter, Fine Green Dust, Course Black Dust                                      |
| M'Smith      | Slightly Cloudy, Organic Matter, Fine Green Dust, Course Black Dust. Lid of dust bottle missing |
| Faulkner     | Slightly Cloudy, Organic Matter, Fine Grey Dust, Course Brown Dust.                             |

# ALS AIRBORNE DUST ANALYSIS AND TESTING REPORT

## 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<br>Accreditation #11436 |
| Dust Deposited matter gravimetric<br>method | 3580.10.1 | X  |

ACIRL Report No:

24006656

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