



**ALS AIRBORNE DUST AND WATER
ANALYSIS AND TESTING REPORT**

REPORT TO: Walker Quarry

REPORT ON: Walker Quarry
Dust and Water Results

REPORT NO: 24005342

PERIOD OF EXPOSURE: Dust - Typically 30 days +/- 2 days
Water - In conjunction with dust or on request

SAMPLED BY: ALS Staff

REPORTED BY: Almudena Bryce

REPORT DATE: 28-August-2015



Accreditation # 15784
Site # 11436

This document is issued in accordance with NATA's accreditation requirements.

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

WALKER QUARRY

Month Aug-15
Date Replaced 23/07/2015
Date Collected 20/08/2015

DUST DEPOSITION RESULTS

(g/m²/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
62	3.8	3.0	0.8
64	0.5	0.4	0.1

No. of days exposed: 28

* Result Calculated

** Incombustible Matter

Analysed in accordance with AS3580.10.1

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DUST GAUGE OBSERVATION

GAUGE	ANALYSIS OBSERVATIONS
62	Water clear, bugs, organic matter, fine brown/black dust & coarse brown/black dust
64	Water clear, bugs, organic matter, bird droppings, fine brown/black dust & coarse brown /black dust

ALS WATER ANALYSIS AND TESTING REPORT

WALKER QUARRY

	Units		
ALS Sydney Report No.		ES1528933	
Date of Sample		20/08/2015	
Site Reference		Dam 1	Dam 2
Sampled by		J. Takahira & J. Featherstone	
General Comments/ Observations		Cloudy, Moderate Level	Clear, Low Level
Time	24 Hr	9:10	9:20
Temperature	°C	6.8	8.3
pH	pH Units	7.11	6.61
Electrical Conductivity	µS/cm	66	98
Total Suspended Solids	mg/L	70	<5
Sulphur Sulphate (SO ₄)	mg/L	3	7
Oil & Grease	mg/L	10	<5

ALS AIRBORNE DUST AND WATER 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:-

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DUST

TEST	METHOD	LITHGOW LABORATORY
Dust (Deposited matter gravimetric method)	3580.10.1	X
Electrical Conductivity		m/cm

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

WATER

TEST	METHOD	LABORATORY	
		LITHGOW	SYDNEY
Sulfate (mg/l)	ED014G		X
Electrical Conductivity uS/cm	CBM-E006	X	
pH value	CBM-E005	X	
Total Oil & Grease	EP020		X
Total Suspended Solids (mg/l)	CBM-E008	X	

In accordance with "Standard Methods for the Examination of Water & Wastewater" APHA, AWWA, and Water & Wastewater Examination Manual (V. Dean Adams)

Preservation procedures in accordance with AS/NZS 5667/1 when sampled by ACIRL staff unless otherwise stated.