



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

REPORT TO: Walker Quarry

REPORT ON: Walker Quarry
Dust and Water Results

REPORT NO: 24005375

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

SAMPLED BY: ALS Staff

REPORTED BY: Natalie McMillan

REPORT DATE: 25-September-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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ALS AIRBORNE DUST ANALYSIS AND TESTING REPORT

WALKER QUARRY

Month Sep-15
Date Replaced 20/08/2015
Date Collected 17/09/2015

DUST DEPOSITION RESULTS

(g/m²/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
62	1.3	1.1	0.2
64	2.2	0.6	1.6

No. of days exposed: 28

* Result Calculated

** Incombustible Matter

Analysed in accordance with AS3580.10.1

ALS AIRBORNE DUST ANALYSIS AND TESTING REPORT

WALKER QUARRY

Month Sep-15
Date Replaced 20/08/2015
Date Collected 17/09/2015

DUST GAUGE OBSERVATION

GAUGE	ANALYSIS OBSERVATIONS
62	Clear, bird droppings, bugs, plant matter, organic matter, fine grey/green dust & coarse brown/black/green dust
64	Clear, bugs, plant matter, organic matter, fine brown/grey/green dust & coarse brown/black/green dust

ALS WATER ANALYSIS AND TESTING REPORT

WALKER QUARRY

	Units		
ALS Sydney Report No.		ES1531542	
Date of Sample		17/09/2015	
Site Reference		Dam 1	Dam 2
Sampled by		J. Thurtell & J. Featherstone	
General Comments/ Observations		Cloudy, Moderate Level	Clear, Low Level
Time	24 Hr	14:10	14:05
Temperature	°C	14.4	18.5
pH	pH Unit	8.68	6.92
Electrical Conductivity	µS/cm	52	92
Total Suspended Solids	mg/L	36	6
Sulphur Sulphate (SO4)	mg/L	3	5
Oil & Grease	mg/L	<5	<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

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.