



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

REPORT TO: Walker Quarry

REPORT ON: Walker Quarry
Dust and Water Results

REPORT NO: 24005496

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: 15-January-2016



Accreditation # 15784
Site # 11436

Accredited for compliance with ISO/IEC 17025.

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ALS AIRBORNE DUST ANALYSIS AND TESTING REPORT

WALKER QUARRY

Month Jan-16
Date Replaced 15/12/2015
Date Collected 13/01/2016

DUST DEPOSITION RESULTS

(g/m²/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
62	1.1	0.3	0.8
64	8.3	2.7	5.6

No. of days exposed: 29

* Result Calculated

** Incombustible Matter

Analysed in accordance with AS3580.10.1

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WALKER QUARRY

Month Jan-16
Date Replaced 15/12/2015
Date Collected 13/01/2016

DUST GAUGE OBSERVATION

GAUGE	ANALYSIS OBSERVATIONS
62	Clear, insects, fine brown dust & coarse black/red dust
64	Slightly cloudy, insects, fine green & coarse green dust

ALS WATER ANALYSIS AND TESTING REPORT

WALKER QUARRY

	Units		
ALS Sydney Report No.			
Date of Sample		13/01/2016	
Site Reference		Dam 1	Dam 2
Sampled by		N. McMillan & L. Stapleton	
General Comments/ Observations		Not Discharging	Not Discharging
Time	24 Hr		
Temperature	°C		
pH	pH Unit		
Electrical Conductivity	µS/cm		
Total Suspended Solids	mg/L		
Sulphur Sulphate (SO ₄)	mg/L		
Oil & Grease	mg/L		

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:-

ACIRL Report No: 24005496

DUST

TEST	METHOD	LABORATORY
		ACIRL Lithgow NATA Accreditation #11436
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	
		ACIRL Lithgow NATA Accreditation #11436	ALS Sydney NATA Accreditation # 825
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.