



ANALYSIS AND TESTING REPORT

REPORT TO : Walker Quarries
191 Main Street
LITHGOW NSW 2790

REPORT ON : **WATER ANALYSIS March, 2015**
DUST ANALYSIS March, 2015

REPORT No 24005161

SAMPLED BY : W. McMillan & D. Shawcross

SAMPLED DATE: 27th March, 2015

PREPARED BY : Natalie McMillan

DATE REPORTED : 1st April, 2015

Electrical conductivity, pH, and TSS and dust analyses performed at ACIRL Lithgow, unit 3, 16 Donald St, Lithgow, N.S.W. 2790.

The remaining analysis performed at ALS Environmental, 277-289 Woodpark Rd, Smithfield, NSW 2164.



Accreditation # 15784
Site # 11436

Natalie McMillan
Environmental Supervisor

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

Accredited for compliance with ISO/IEC 17025.

This document will not be reproduced except in full.

ADDRESS Unit 3, 16 Donald Street Lithgow NSW 2790 Australia | PHONE +61 2 6350 7400 | FAX +61 6352 3583
ACIRL Pty Ltd ABN 41 000 513 888 Part of the ALS Group A Campbell Brothers Limited Company



www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



DUST ANALYSIS AND TESTING REPORT

Walker Quarries

Mar-15

DUST DEPOSITION RESULTS (g/m²/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
62	0.7	0.5	0.2
64	0.7	0.4	0.3

No. of days exposed: 28
Date Replaced: 27/02/2015
Date Collected: 27/03/2015

* Result Calculated

** Incombustible Matter

Analysed in accordance with AS3580.10.1



DUST ANALYSIS AND TESTING REPORT

Walker Quarries

Mar-15

DEPOSIT GAUGE DETAILS

GAUGE	OTHER RELEVANT DATA
62	Clear, bugs, plant matter, organics, small # fine brown/grey & small # coarse brown/black dust
64	Clear, bugs, organics, small # fine brown/grey & small # coarse brown/grey dust

No. of days exposed: 28



METHODS OF DUST ANALYSIS

TEST	METHOD	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”

Standards Australia, 2003

ACIRL Report No: 24005161



WATER ANALYSIS AND TESTING REPORT

WALKER QUARRIES

Monthly Samples

27/03/2015 Sample Details	Dam 1 Low level, no discharge 9:00 am	Dam 2 Not Constructed
pH	-	-
Electrical Conductivity uS/cm	-	-
Total Suspended solids mg/L	-	-
Sulfate as SO₄ mg/L	-	-
Oil and Grease mg/L	-	-



METHOD OF WATER ANALYSIS

TEST	METHOD	LABORATORY	
		ACIRL Lithgow	ALS 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 1998 when sampled by ACIRL staff unless otherwise stated.

ACIRL Report No: 24005161