



ANALYSIS AND TESTING REPORT

REPORT TO : Walker Quarries
191 Main Street
LITHGOW NSW 2790

Attn: Mr. Bob Taylor

REPORT ON : **WATER ANALYSIS October 2014**
DUST ANALYSIS September 2014

AUTHORISATION : Order No. N/A

REPORT No 24005015

SAMPLED BY : J. Takihara & T. Simpson

SAMPLED DATE: 31-10-2014

PREPARED BY : Adriana Hernandez

DATE REPORTED : 5th November, 2014

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.



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DUST ANALYSIS AND TESTING REPORT

Walker Quarries

Oct-14

DUST DEPOSITION RESULTS (g/m²/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
62	0.6	0.4	0.2
64	1.4	0.5	0.9

No. of days exposed: 28
Date Replaced: 3/10/2014
Date Collected: 31/10/2014

* Result Calculated

** Incombustible Matter

Analysed in accordance with AS3580.10.1



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DEPOSIT GAUGE DETAILS

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

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WALKER QUARRIES

Monthly Samples

31-10-2014 Sample Details	Dam 1 Low level, no discharge 9:20 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	APHA 2150	X	
pH value	APHA 4500-H	X	
Total Oil & Grease	EP020		X
Total Suspended Solids (mg/l)	APHA 2540-D	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.

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