



## ANALYSIS AND TESTING REPORT

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**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** 24004976

**SAMPLED BY :** J. Takihara & T. Simpson

**SAMPLED DATE:** 03-10-2014

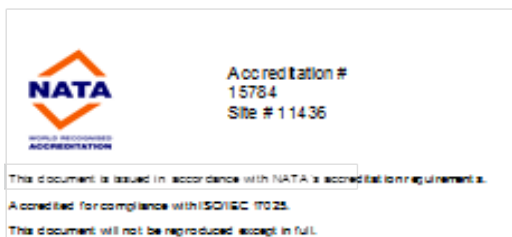
**PREPARED BY :** Adriana Hernandez

**DATE REPORTED :** 13<sup>th</sup> October, 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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Adriana Hernandez  
Senior Environmental Scientist

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



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## DUST ANALYSIS AND TESTING REPORT

Walker Quarries

Sep-14

### DUST DEPOSITION RESULTS (g/m<sup>2</sup>/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
62	0.8	0.5	0.3
64	2.1	0.7	1.4

No. of days exposed: 28  
Date Replaced: 5/09/2014  
Date Collected: 3/10/2014

\* Result Calculated

\*\* Incombustible Matter

Analysed in accordance with AS3580.10.1

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# DUST ANALYSIS AND TESTING REPORT

Walker Quarries

Sep-14

## DEPOSIT GAUGE DETAILS

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

No. of days exposed: 28

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## **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: 24004976



## WATER ANALYSIS AND TESTING REPORT

### WALKER QUARRIES

#### Monthly Samples

03-10-2014	<b>Dam 1</b>	<b>Dam 2</b>
<b>Sample Details</b>	Low level, no discharge 9:00 am	Not Constructed
<b>pH</b>	-	-
<b>Electrical Conductivity uS/cm</b>	-	-
<b>Total Suspended solids mg/L</b>	-	-
<b>Sulfate as SO<sub>4</sub> mg/L</b>	-	-
<b>Oil and Grease mg/L</b>	-	-



## METHOD OF WATER ANALYSIS

TEST	METHOD	LABORATORY	
		ACIRL Lithgow	ALS Sydney
Sulfate (mg/l)	ED014G		<b>X</b>
Electrical Conductivity uS/cm	APHA 2150	<b>X</b>	
pH value	APHA 4500-H	<b>X</b>	
Total Oil & Grease	EP020		<b>X</b>
Total Suspended Solids (mg/l)	APHA 2540-D	<b>X</b>	

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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