

## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Lynden Cini - Environmental Officer

**Report Number:** 2600 1020 - 00

**Date Issued:**

**Copy To:** File

ALS ACIRL Pty Ltd  
Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
Ph: (02) 6542 2400  
Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC1 - Escott	2-Apr-09	5-May-09	33	800	Clear	Clear	Insects	0.3	0.0049	0.1	0.0023	0.0026
WC2 - Cintra	2-Apr-09	5-May-09	33	800	Clear	Clear	Insects, Plant Matter	0.6	0.0116	0.3	0.0064	0.0052
WC3 - Colliery	2-Apr-09	5-May-09	33	800	Clear	Clear	Plant Matter	2.2	0.0437	0.7	0.0143	0.0294
WC4 - Hillview	2-Apr-09	5-May-09	33	800	Clear	Clear		0.7	0.0145	0.3	0.0065	0.0080
WC5 - Railway View	2-Apr-09	5-May-09	33	800	Clear	Clear	Bird Droppings	0.4	0.0082	0.2	0.0048	0.0034
WC6 - Sth Boundary	2-Apr-09	5-May-09	33	800	Clear	Clear	Insects	2.3	0.0451	0.9	0.0181	0.0270
WC7 - Patterson	2-Apr-09	5-May-09	33	700	Clear	Clear		0.4	0.0072	0.2	0.0048	0.0024
WC8 - Quirindi Rd	2-Apr-09	5-May-09	33	800	Clear	Clear		0.3	0.0049	0.1	0.0027	0.0022

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

A handwritten signature in black ink, appearing to read 'GGleeson'.

Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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Site #11423

## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Lynden Cini - Environmental Officer

**Report Number:** 2600 1032 - 01

**Date Issued:** 6th July 2009

**Copy To:** File

ALS ACIRL Pty Ltd  
Units 1-4, Lot 6 Industrial CI  
Muswellbrook NSW 2333  
Ph: (02) 6542 2400  
Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC1 - Escott	5-May-09	4-Jun-09	30	200	Clear	Clear	Insects, Plant Matter	0.9	0.0152	0.6	0.0100	0.0052
WC2 - Cintra	5-May-09	4-Jun-09	30	300	Clear	Clear	Insects	1.4	0.0249	0.8	0.0147	0.0102
WC3 - Colliery	5-May-09	4-Jun-09	30	400	Clear	Clear	Insects, Plant Material, Bird Droppings	7.8	0.1384	1.4	0.0246	0.1138
WC4 - Hillview	5-May-09	4-Jun-09	30	250	Clear	Clear		1.5	0.0268	0.9	0.0164	0.0104
WC5 - Railway View	5-May-09	4-Jun-09	30	350	Clear	Clear		1.1	0.0203	0.8	0.0135	0.0068
WC6 - Sth Boundary	5-May-09	4-Jun-09	30	350	Clear	Clear	Insects, Plant Material, Bird Droppings	7.9	0.1402	2.3	0.0406	0.0996
WC7 - Patterson	5-May-09	4-Jun-09	30	600	Clear	Clear	Plant Material	5.0	0.0883	2.4	0.0431	0.0452
WC8 - Quirindi Rd	5-May-09	4-Jun-09	30	300	Clear	Clear	Plant Material	1.4	0.0246	0.8	0.0148	0.0098

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Lynden Cini - Environmental Officer

**Report Number:** 2600 1045 - 01

**Date Issued:** 12th August 2009

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Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
Ph: (02) 6542 2400  
Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC1 - Escott	4-Jun-09	06-Jul-09	11:50	32	800	Clear	Clear	Plant Matter	0.5	0.0093	0.4	0.0067	0.0026
WC2 - Cintra	4-Jun-09	06-Jul-09	11:40	32	900	Clear	Clear	Insects, Plant Material	0.3	0.0060	0.2	0.0031	0.0029
WC3 - Colliery	4-Jun-09	06-Jul-09	12:10	32	950	Clear	Clear	Insects, Plant Material	0.7	0.0130	0.4	0.0074	0.0056
WC4 - Hillview	4-Jun-09	06-Jul-09	12:45	32	900	Clear	Clear	Insects, Bird Droppings	0.2	0.0047	0.1	0.0025	0.0022
WC5 - Railway View	4-Jun-09	06-Jul-09	12:30	32	950	Clear	Clear	Insects, Plant Material	0.2	0.0044	0.1	0.0025	0.0019
WC6 - Sth Boundary	4-Jun-09	06-Jul-09	12:00	32	900	Clear	Clear	Insects	1.8	0.0335	0.8	0.0152	0.0183
WC7 - Patterson	4-Jun-09	06-Jul-09	11:35	32	900	Clear	Clear	Insects, Plant Material, Bird Droppings	0.4	0.0072	0.2	0.0032	0.0040
WC8 - Quirindi Rd	4-Jun-09	06-Jul-09	12:50	32	830	Clear	Clear		0.2	0.0046	0.2	0.0037	0.0009

### Notes:

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- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

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Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Lynden Cini - Environmental Officer

**Report Number:** 2600 1057 - 01

**Date Issued:** 18th August 2009

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Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
Ph: (02) 6542 2400  
Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC1 - Escott	6-Jul-09	03-Aug-09	12.53	28	700	Clear	Clear	Plant Matter	0.2	0.0028	0.1	0.0017	0.0011
WC2 - Cintra	6-Jul-09	03-Aug-09	13.00	28	400	Clear	Clear		0.5	0.0086	0.1	0.0017	0.0069
WC3 - Colliery	6-Jul-09	03-Aug-09	12.45	28	700	Clear	Clear	Insects, Bird Droppings	2.2	0.0355	0.9	0.0152	0.0203
WC4 - Hillview	6-Jul-09	03-Aug-09	13.23	28	750	Clear	Clear	Insects	0.4	0.0062	0.2	0.0036	0.0026
WC5 - Railway View	6-Jul-09	03-Aug-09	13.30	28	700	Clear	Clear	Insects, Bird Droppings	0.3	0.0046	0.2	0.0027	0.0019
WC6 - Sth Boundary	6-Jul-09	03-Aug-09	12.15	28	656	Turbid	Brown	Insects	2.4	0.0389	0.8	0.0129	0.0260
WC7 - Patterson	6-Jul-09	03-Aug-09	12.05	28	700	Clear	Clear	Insects, Plant Material, Bird Droppings	1.4	0.0237	0.9	0.0141	0.0096
WC8 - Quirindi Rd	6-Jul-09	03-Aug-09	13.15	28	650	Clear	Clear		0.4	0.0058	0.2	0.0037	0.0021

### Notes:

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- \* Samples analysed as received
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Reported By: \_\_\_\_\_

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Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Lynden Cini - Environmental Officer

**Report Number:** 2600 1068 - 00

**Date Issued:** 18th September 2009

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Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
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Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC1 - Escott	3-Aug-09	04-Sep-09	9:30	32	100	Clear	Clear	Plant Material	1.3	0.0242	0.7	0.0134	0.0108
WC2 - Cintra	3-Aug-09	04-Sep-09	9:20	32	100	Clear	Clear	Insects, Plant Material	1.5	0.0288	1.0	0.0182	0.0106
WC3 - Colliery	3-Aug-09	04-Sep-09	8:20	32	100	Clear	Clear	Bird Droppings	2.9	0.0550	2.5	0.0474	0.0076
WC4 - Hillview	3-Aug-09	04-Sep-09	8:55	32	100	Clear	Clear	Insects, Plant Material	1.6	0.0298	1.1	0.0213	0.0085
WC5 - Railway View	3-Aug-09	04-Sep-09	9:10	32	100	Clear	Clear	Insects, Plant Material	1.5	0.0282	1.0	0.0180	0.0102
WC6 - Sth Boundary	3-Aug-09	04-Sep-09	8:40	32	100	Turbid	Grey	Insects, Bird Droppings, Plant Material	6.6	0.1242	1.8	0.0342	0.0900
WC7 - Patterson	3-Aug-09	04-Sep-09	8:00	32	100	Clear	Clear	Insects, Plant Material	4.0	0.0760	2.5	0.0479	0.0281
WC8 - Quirindi Rd	3-Aug-09	04-Sep-09	9:40	32	100	Clear	Clear	Insects, Plant Material	0.4	0.0066	0.1	0.0010	0.0056

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

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Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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Site #11423

## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Lynden Cini - Environmental Officer

**Report Number:** 2600 1101 - 01

**Date Issued:** 21st October 2009

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Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
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Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC1 - Escott	4-Sep-09	2-Oct-09	13:23	28	1200	Clear	Clear	Insects, Plant Material	5.8	0.0951	4.3	0.0705	0.0246
WC2 - Cintra	4-Sep-09	2-Oct-09	13:15	28	1100	Clear	Clear	Insects, Plant Material	5.9	0.0980	4.7	0.0767	0.0213
WC3 - Colliery	4-Sep-09	2-Oct-09	14:00	28	500	Clear	Clear	Insects	3.9	0.0637	2.5	0.0413	0.0224
WC4 - Hillview	4-Sep-09	2-Oct-09	13:36	28	1000	Clear	Clear	Insects	7.9	0.1299	6.7	0.1105	0.0194
WC5 - Railway View	4-Sep-09	2-Oct-09	14:33	28	800	Clear	Clear	Insects, Plant Material	4.3	0.0704	4.9	0.0804	-0.0100
WC6 - Sth Boundary	4-Sep-09	2-Oct-09	14:26	28	1000	Turbid	Brown	Insects, Bird Droppings, Plant Material	6.1	0.1012	4.7	0.0772	0.0240
WC7 - Patterson	4-Sep-09	2-Oct-09	14:45	28	1100	Clear	Clear	Insects	4.6	0.0754	3.4	0.0563	0.0191
WC8 - Quirindi Rd	4-Sep-09	2-Oct-09	13:03	28	900	Clear	Clear	Insects, Plant Material	8.8	0.1457	5.2	0.0858	0.0599

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

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Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Lynden Cini - Environmental Officer

**Report Number:** 2600 1131 - 00

**Date Issued:** 18th November 2009

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Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
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Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC1 - Escott	2-Oct-09	04-Nov-09	10:34	33	400	Clear	Clear	Insects	1.7	0.0324	1.3	0.0262	0.0062
WC2 - Cintra	2-Oct-09	04-Nov-09	10:25	33	450	Clear	Clear	Insects	3.3	0.0633	2.2	0.042	0.0213
WC3 - Colliery	2-Oct-09	04-Nov-09	10:58	33	500	Clear	Clear	Insects, Bird Droppings, Plant Material	2.9	0.0572	2.0	0.0397	0.0175
WC4 - Hillview	2-Oct-09	04-Nov-09	14:10	33	450	Clear	Clear	Insects	2.5	0.0484	1.9	0.0372	0.0112
WC5 - Railway View	2-Oct-09	04-Nov-09	13:53	33	450	Clear	Clear	Insects	2.4	0.0464	1.9	0.0368	0.0096
WC6 - Sth Boundary	2-Oct-09	04-Nov-09	13:44	33	450	Clear	Clear	Insects, Bird Droppings, Plant Material	37.5	0.7284	26.3	0.5113	0.2171
WC7 - Patterson	2-Oct-09	04-Nov-09	10:17	33	400	Clear	Clear	Insects, Plant Material	2.1	0.0407	1.6	0.0315	0.0092
WC8 - Quirindi Rd	2-Oct-09	04-Nov-09	12:45	33	500	Clear	Clear	Insects, Plant Material	4.3	0.0829	3.3	0.0637	0.0192

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number
- \* Escott, Old Colliery, South Boundary, Hillview gauges removed. Quirindi Rd gauge relocated. New gauge installed at "Marengo"

Reported By: \_\_\_\_\_

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Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Danny Young - Group Environmental Manager

**Report Number:** 2600 1204

**Workorder No.** 136

**Date Issued:** 17th December 2009

ALS ACIRL Pty Ltd  
Units 1-4, Lot 6 Industrial Cl  
Muswellbrook NSW 2333  
Ph: (02) 6542 2400  
Fax: (02) 6541 5342



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Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC2 - Cintra	4-Nov-09	04-Dec-09	12:25	30	200	Clear	Clear	Insects, Plant Material	2.8	0.0496	1.3	0.0225	0.0271
WC5 - Railway View	4-Nov-09	04-Dec-09	12:40	30	300	Clear	Clear	Insects	0.9	0.0165	0.6	0.0105	0.0060
WC7 - Patterson	4-Nov-09	04-Dec-09	12:15	30	250	Clear	Clear	Insects	0.9	0.0162	0.6	0.0106	0.0056
WC8 - Plain View	4-Nov-09	04-Dec-09	12:55	30	200	Clear	Clear	Insects	0.7	0.0131	0.5	0.0081	0.0050
Marengo	4-Nov-09	04-Dec-09	13:05	30	250	Clear	Clear	Insects, Bird Droppings	0.6	0.0108	0.4	0.0078	0.0030

### Notes:

- \* Dust gauges installed and removed by ALS Coal
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Danny Young - Group Environmental Manager

**Report Number:** 26001222 - 198

**Date Issued:** 14th January 2009

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Units 1-4, Lot 6 Industrial CI  
Muswellbrook NSW 2333  
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Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC2 - Cintra	4-Dec-09	04-Jan-10	11:35	31	2500	Clear	Clear	Insects, Plant Material	1.4	0.0254	1.0	0.0185	0.0069
WC5 - Railway View	4-Dec-09	04-Jan-10	11:40	31	2500	Clear	Clear	Insects	1.0	0.0180	0.8	0.0138	0.0042
WC7 - Patterson	4-Dec-09	04-Jan-10	11:20	31	2500	Clear	Clear	Insects	1.5	0.0269	1.1	0.0207	0.0062
WC8 - Plain View	4-Dec-09	04-Jan-10	11:55	31	2500	Clear	Clear	Insects, Bird Droppings	1.4	0.0259	1.1	0.0193	0.0066
Marengo	4-Dec-09	04-Jan-10	12:20	31	2500	Clear	Clear	Insects, Bird Droppings	1.4	0.0250	1.1	0.0209	0.0041

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

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Gerard Gleeson - Laboratory Operations Manager  
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## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Danny Young - Group Environmental Manager

**Report Number:** 26001234 - 286

**Date Issued:** 8th February 2010

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ALS ACIRL Pty Ltd  
Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
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Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC2 - Cintra	4-Jan-10	02-Feb-10	15:45	29	200	Clear	Clear	Insects, Plant Material	2.1	0.0360	1.0	0.0164	0.0196
WC5 - Railway View	4-Jan-10	02-Feb-10	15:05	29	300	Clear	Clear	Insects	0.9	0.0157	0.6	0.0106	0.0051
WC7 - Patterson	4-Jan-10	02-Feb-10	14:50	29	300	Slightly Turbid	Clear	Insects, Bird Droppings	2.0	0.0341	1.1	0.019	0.0151
WC8 - Plain View	4-Jan-10	02-Feb-10	14:17	29	800	Slightly Turbid	Clear	Insects, Plant Material	2.1	0.0353	1.4	0.0246	0.0107
Marengo	4-Jan-10	02-Feb-10	14:40	29	400	Slightly Turbid	Clear	Insects	1.2	0.0208	0.6	0.0106	0.0102

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

A handwritten signature in black ink, appearing to read 'GGP', is written over a horizontal line.

Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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Accreditation #15784  
Site #11423

## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Danny Young - Group Environmental Manager

**Report Number:** 26001247 - 400

**Date Issued:** 9th March 2010

**Copy To:** File

ALS ACIRL Pty Ltd  
Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
Ph: (02) 6542 2400  
Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC2 - Cintra	2-Feb-10	02-Mar-10	16:20	28	1800	Clear	Nil	Insects, Plant Material	2.0	0.0333	1.5	0.0240	0.0093
WC5 - Railway View	2-Feb-10	02-Mar-10	16:30	28	1800	Clear	Nil	Insects	1.5	0.0252	1.1	0.0175	0.0077
WC7 - Patterson	2-Feb-10	02-Mar-10	16:15	28	1500	Clear	Nil	Insects	1.5	0.0240	0.8	0.0134	0.0106
WC8 - Plain View	2-Feb-10	02-Mar-10	16:50	28	2100	Clear	Nil	Insects	2.1	0.0354	1.4	0.0227	0.0127
Marengo	2-Feb-10	02-Mar-10	17:02	28	1800	Clear	Nil	Insects, Plant Material	3.3	0.0540	2.3	0.0383	0.0157

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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Site #11423

## Certificate of Analysis

**Origin:** Werris Creek Coal Pty Ltd

**Project:** Werris Creek Mine

**Description:** Dust Deposition Samples

**Report To:** Mr. Danny Young - Group Environmental Manager

**Report Number:** 26001260 - 474

**Date Issued:** 8th April 2010

**Copy To:** File

ALS ACIRL Pty Ltd  
Units 1-4, Lot 6 Industrial Ct  
Muswellbrook NSW 2333  
Ph: (02) 6542 2400  
Fax: (02) 6541 5342



Sample ID	Date Installed	Date Removed	Sampling Time	Days Exposed	Volume Collected (mL approx.)	Appearance	Colour	Observations	Insoluble Matter (g/m <sup>2</sup> /month)	Insoluble Matter (g)	Ash Residue (g/m <sup>2</sup> /month)	Ash Residue (g)	Combustible Matter (g)
WC2 - Cintra	2-Mar-10	30-Mar-10	15:40	28	200	Clear	Clear	Insects	1.7	0.0274	1.1	0.0174	0.0100
WC5 - Railway View	2-Mar-10	30-Mar-10	16:15	28	200	Clear	Clear	Insects, Plant Material	1.2	0.0194	0.6	0.0107	0.0087
WC7 - Patterson	2-Mar-10	30-Mar-10	15:59	28	250	Clear	Clear	Insects	50.0	0.8240	48.9	0.8067	0.0173
WC8 - Plain View	2-Mar-10	30-Mar-10	16:40	28	250	Clear	Clear	Insects	3.1	0.0515	2.6	0.0421	0.0094
Marengo	2-Mar-10	30-Mar-10	16:50	28	280	Clear	Clear	Insects	1.1	0.0178	0.6	0.0094	0.0084

### Notes:

- \* Dust gauges installed and removed by ALS ACIRL
- \* Samples analysed in accordance with AS3580.10.1 Parts 8.2 and 8.3
- \* Samples analysed as received
- \* This report replaces any previous report bearing the same report number

Reported By: \_\_\_\_\_

A handwritten signature in black ink, appearing to read 'GGleeson', is written over a horizontal line.

Gerard Gleeson - Laboratory Operations Manager  
ALS ACIRL Gunendah



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