

WAMBO COAL PTY LIMITED

MONTHLY ENVIRONMENTAL MONITORING REPORT

September 2014

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1.0 Introduction

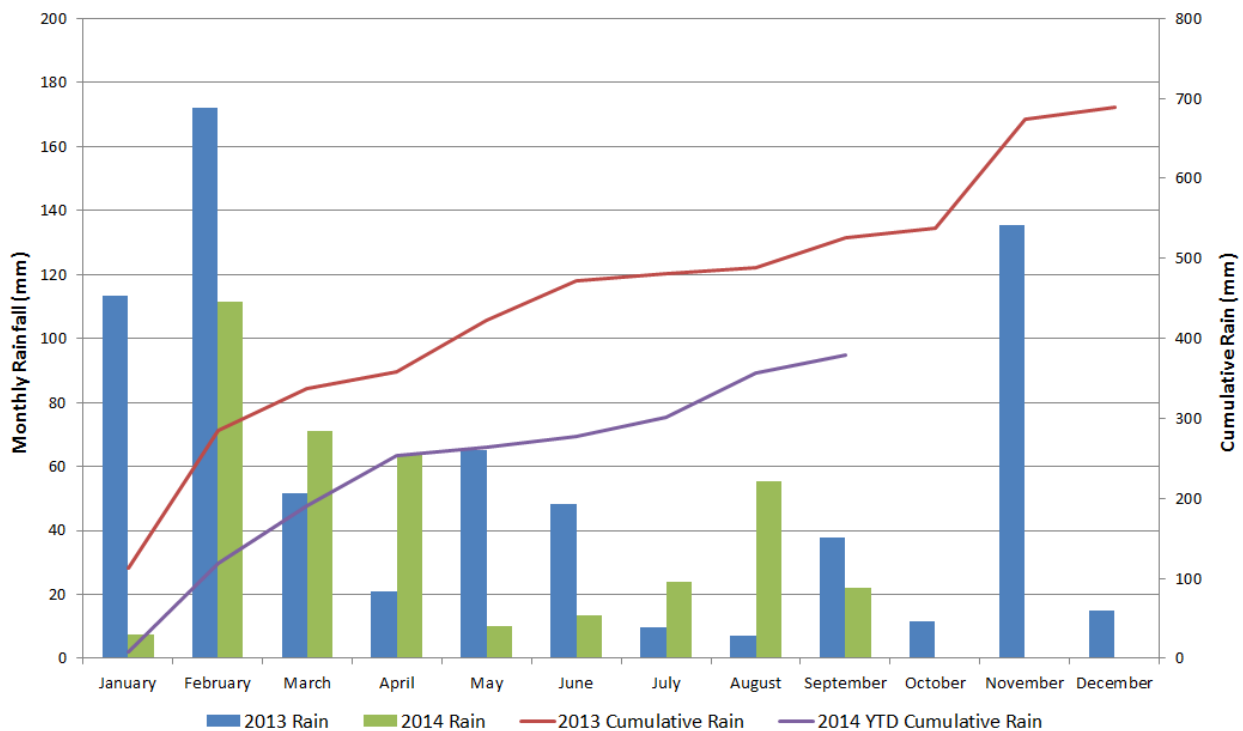
This report presents environmental monitoring results for the reporting period **Monday 1st September to Tuesday 30th September 2014**. Monitoring during this period includes meteorological measurement, surface and ground water sampling, depositional dust sampling, High Volume Air Sampling, blasting events and PM₁₀ real time air monitoring results.

2.0 Meteorological Data

2.1. Rainfall

Approximately **24mm** of rain was received during September. Year to date rainfall in comparison to 2013 results are shown in **Figure 1**.

Figure 1 - Monthly and Cumulative Rainfall



2.2. Wind

Results for reporting period are available in **Appendix A**.

3.0 Surface Water Sampling

Surface water samples are collected in accordance with **AS/NZS 5667.4:1998 – Guidance on sampling from lakes, natural and man-made** and **AS/NZS 5667.6:1998 – Guidance on sampling of rivers and streams**. All samples collected were analysed in the field for **pH**, electrical conductivity (**EC**) and temperature. Selected sites were analysed in a **NATA*** accredited laboratory for total suspended solids (**TSS**) and total dissolved solids (**TDS**).

*National Association of Testing Authorities - **NATA** is the authority that provides independent assurance of technical competence.

Historical trend charts for SW15 (Eagles Nest Dam – Discharge Point) and SW01, SW40 and SW02 (Wollombi Brook Upstream and Downstream locations) are available in **Appendix B**.

Surface water reporting for September recorded EC and TDS results outside trigger levels for sites SW44 and SW45. September results are detailed below in **Table 1**.

Table 1 - Monthly Surface Water Results – September 2014

Sample Location	pH	EC (µS/cm)	TSS (mg/L)	TDS (mg/L)	Oil & Grease (mg/L)	Temp (°C)	Comments
WOLLOMBI BROOK							
SW01 - Wollombi Brook Up	7.50	552	3	259	-	19.4	-
SW03 - Wollombi Brook Pump Out	7.40	539	5	287	<2	19.9	-
SW02 - Wollombi Brook Down	7.60	590	2	293	<2	18.9	-
SW40 - Confluence with SWC	7.80	527	1	248	-	19.2	-
NORTH WAMBO CREEK							
SW04 - North Wambo Creek Up	-	-	-	-	-	-	Dry
SW27a - North Wambo Creek Middle Lower	9.00	1,663	58	1,070	-	27.0	-
SW32a - North Wambo Creek Pump	9.00	1,002	9	560	-	23.9	-
SW05 - North Wambo Creek Down	7.40	802	12	474	-	14.8	-
SOUTH WAMBO/STONY CREEK							
SW06 - South Wambo Creek	7.20	454	17	239	-	22.4	-
SW07 - South Wambo/Stony Creek	-	-	-	-	-	-	Dry
SW08 - Stony Creek	-	-	-	-	-	-	Dry
LONGFORD/DOCTOR'S CREEKS							
SW43 - Longford Creek Up	7.50	350	9	283	<5	19.8	-
SW44 – Longford Creek Down	7.50	531	10	698	<2	19.1	-
SW46 - Doctors Creek Up	8.50	2,750	26	1,580	<2	21.1	-
SW45 – Doctors Creek Down	8.60	3,540	8	2,010	<2	22.4	-
WATERFALL CREEK							
SW39 – Waterfall Creek Midstream	-	-	-	-	-	-	Dry
MINE WATER DAMS							
SW11 - West Cut Dam Pipe	Not Pumping						-
SW12 - West Cut Dam	8.80	5,880	-	-	-	19.5	-
SW14 - Box Cut Dam (Admin)	8.40	739	-	-	-	18.5	-

Sample Location	pH	EC (µS/cm)	TSS (mg/L)	TDS (mg/L)	Oil & Grease (mg/L)	Temp (°C)	Comments
SW15 - Eagles Nest Dam	9.00	7,740	39.00	5,020	3	18.3	-
SW20 - Dam Adjacent to West Cut Dam	8.30	2,010	-	-	-	16.7	-
SW29 - SCB Dam	8.30	1,405	-	-	-	15.3	-
SW30 - Turkeys Nest	9.10	7,210	-	-	-	17.9	-
SW31 - Gordon Below Franklin	9.10	5,940	-	-	-	17.4	-
SW37 - Wollemi Sump	-	-	-	-	-	-	No longer exists
SW38 - Homestead Open Cut	8.70	7,700	-	-	-	21.8	-
SW47 - NWU Pumpout Water	-	-	-	-	-	-	No longer exists
SW48 - Inpit sample	-	-	-	-	-	-	No longer exists
SW49 - Bates Pit Pumpout	8.00	3,520	-	-	-	20.0	-
SW51 – South Dam	-	-	-	-	-	-	Decommissioned
SW50 - Hunter River Water	Not Pumping						-

Note: Figures in bold fall outside trigger levels.

3.1. Hunter River Salinity Trading Scheme (HRSTS)

During the reporting period no water was discharge under the HRSTS.

4.0 Groundwater Sampling

Groundwater results are collected on a bi-monthly basis. No data was collected for September.

Table 2 - Ground Water Results – September 2014

Sample Location	pH	EC (µS/cm)	Depth to Water (m)	Temp (°C)	Comments
GW02	-	-	-	-	-
GW11	-	-	-	-	-
P106	-	-	-	-	-
P109	-	-	-	-	-
P110	-	-	-	-	-
P111	-	-	-	-	-
P114	-	-	-	-	-
P116	-	-	-	-	-
P202	-	-	-	-	-
P206	-	-	-	-	-
P301	-	-	-	-	-
P315	-	-	-	-	-
GW12	-	-	-	-	-
GW13	-	-	-	-	-
GW14	-	-	-	-	-
GW15	-	-	-	-	-
GW16	-	-	-	-	-
GW17	-	-	-	-	-
GW18	-	-	-	-	-

Sample Location	pH	EC (µS/cm)	Depth to Water (m)	Temp (°C)	Comments
GW19	-	-	-	-	-
GW20	GW20 is a vibration wire multi-piezometer installation				
GW21	-	-	-	-	-
GW22	-	-	-	-	-
P1*	-	-	-	-	-
P3*	-	-	-	-	-
P5*	-	-	-	-	-
P6*	-	-	-	-	-
P11*	-	-	-	-	-
P12*	-	-	-	-	-
P13*	-	-	-	-	-
P15*	-	-	-	-	-
P16*	-	-	-	-	-
P17*	-	-	-	-	-
P18*	-	-	-	-	-
P20*	-	-	-	-	-

Note: All depths measured to top of casing, except United bores which are to ground. Figures in bold are outside trigger levels listed in Table 5 of the Ground Water Monitoring Programme (GWMP), which is part of the Site Water Management Plan.

* Represents data that is provided on a quarterly basis. The results are to be updated once available.

5.0 Depositional Dust Sampling

Fifteen depositional dust gauges were collected for the reporting period. Sampling and analysis is conducted in accordance with **AS 3580.10.1 – 1991 – Determination of particulates – Deposited matter – Gravimetric method**. All gauges were analysed for insoluble solids (IS) and ash residue (AS). Field observations include water quantity and quality, and any visible contaminants in the sample.

Insoluble solid results are reported on the **annual average** of **4g/m²/month** of all **uncontaminated results** which are not located on Wambo Coal owned land. No depositional dust gauge locations were outside the prescribed criteria level for the reporting period.

September results are presented in **Table 3** and **Figure 2** below.

Table 3 - Dust Deposition Results – September 2014

Site	Insoluble Solids (IS) (g/m ² .month)	Ash Residue (AR) (g/m ² .month)	IS:AR Ratio	IS YTD Average (g/m ² .month)	AR YTD Average (g/m ² .month)
D01*	8.5	2.2	26	2.9	2.0
D03*	4.7	1.6	34	3.0	2.1
D07*	11.7	5.1	44	6.0	3.4
D09*	7.4	3.4	46	2.0	1.6
# D11	2.2	1.2	55	2.4	1.5
# D12	1.7	1.3	76	2.9	2.0
# D17	0.7	0.6	86	1.8	1.0

Site	Insoluble Solids (IS) (g/m ² .month)	Ash Residue (AR) (g/m ² .month)	IS:AR Ratio	IS YTD Average (g/m ² .month)	AR YTD Average (g/m ² .month)
D19	1.6	1.1	69	2.7	1.7
D20	0.8	0.7	88	1.6	1.2
# D21	1.40	0.90	64	1.6	1.2
# D22	1.6	1.3	81	2.0	1.4
D23	1.0	0.7	70	2.1	1.3
# D24	3.3	2.0	61	1.4	0.7
# D25	1.20	0.70	58	2.7	2.1
D26	1.3	0.9	69	1.8	1.4

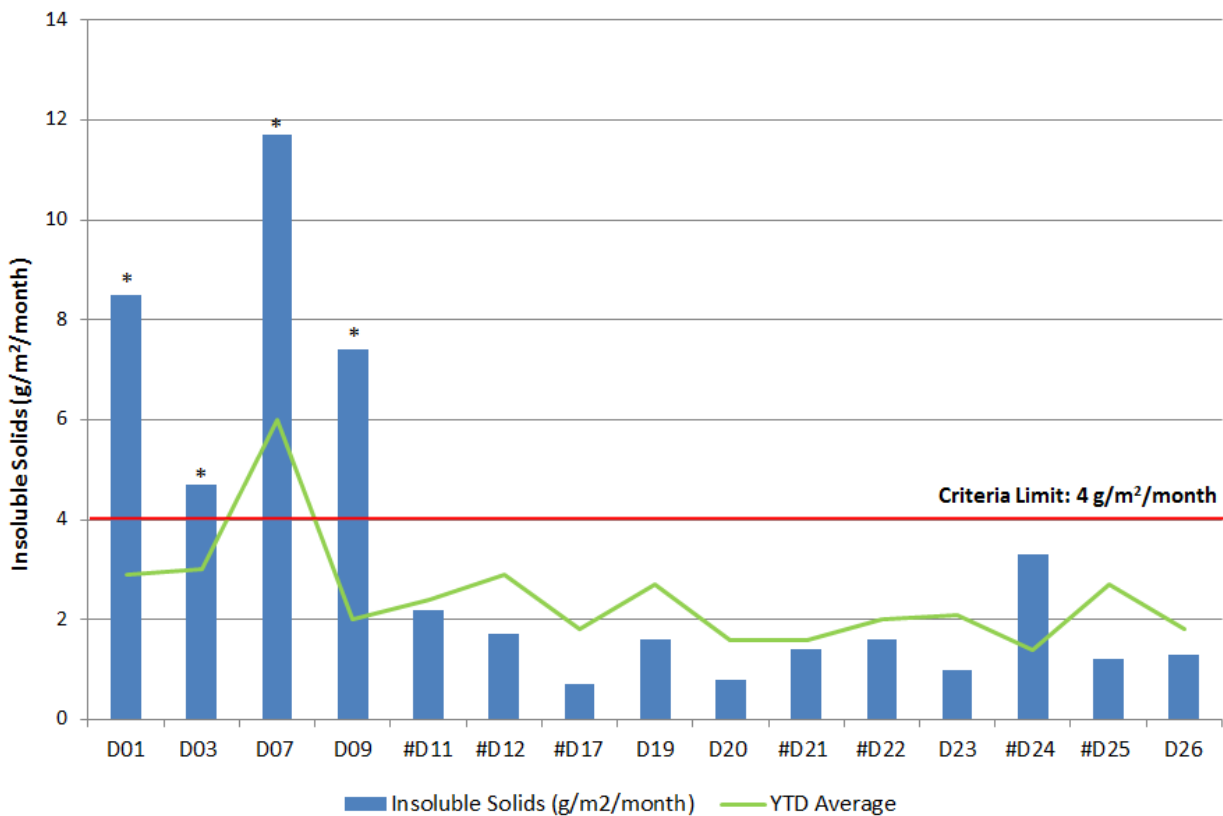
Note:

Results in **bold** are YTD average above 4g/m²/month

Results # are dust gauges not on WCPL owned land. DD gauges on Wambo Coal land and above criteria level are not considered non-compliance.

* Contaminated sample

Figure 2 - Deposition Dust Gauge Results – September 2014



Note:

* Monthly sample contaminated by bird droppings, vegetation, insects.

Depositional dust gauges not located on WCPL owned land. Results above criteria at these locations not considered non-compliances.

6.0 High Volume Air Sampling

Four High Volume Air Samplers (HVAS) operate at locations surrounding Wambo. All units sampled Total Suspended Particulates (TSP) over a 24-hour period on a six day cycle, in accordance with **AS 2724.3 – 1984 – Determination of total suspended particulates (TSP) – High volume sampler gravimetric method.**

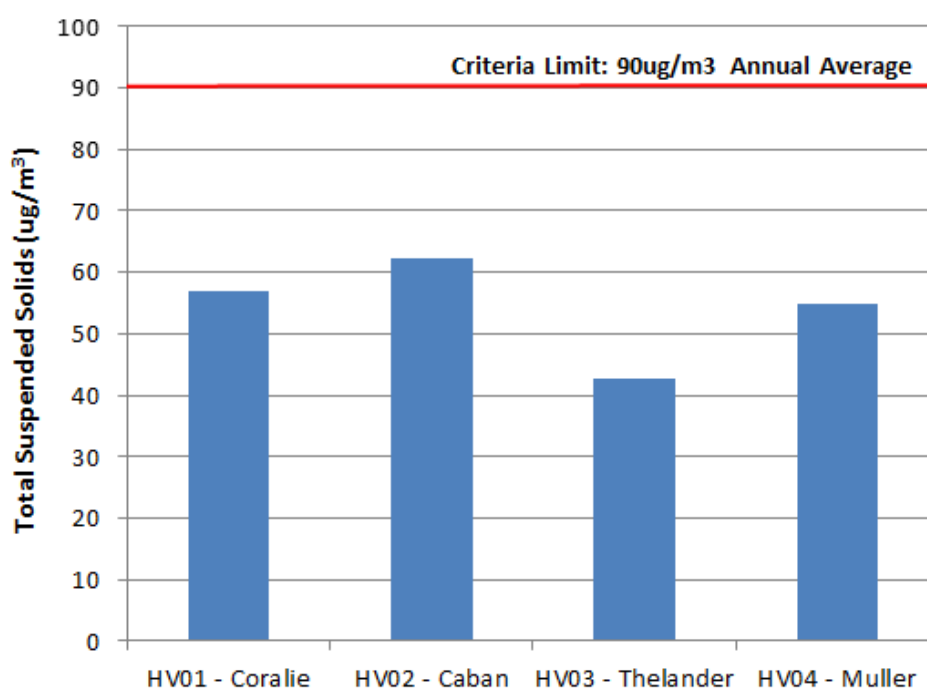
Reported yearly means for locations are within the reporting criteria of **90 $\mu\text{g}/\text{m}^3$** .

September results are presented in **Table 4** and **Figure 3** below.

Table 4 - HVAS Results – September 2014

Date of Run	HV01 - Coralie TSP ($\mu\text{g}/\text{m}^3$)	HV02 - Caban TSP ($\mu\text{g}/\text{m}^3$)	HV03 - Thelander TSP ($\mu\text{g}/\text{m}^3$)	HV04 - Muller TSP ($\mu\text{g}/\text{m}^3$)
1/09/2014	35.4	47.3	12.6	22.9
7/09/2014	50	20.8	28.7	57.5
13/09/2014	47.3	41	38.6	82.8
19/09/2014	70.4	76.2	40.4	42.9
25/09/2014	34.1	42.1	17.9	21.3
Monthly Mean	47.4	45.48	27.64	45.48
Yearly Mean	56.9	62.2	42.8	54.7

Figure 3 - HVAS YTD Annual Average – September 2014



7.0 Blast Events

Four monitoring sites measure ground vibration and air blast overpressure for blasts conducted at Wambo. Nine blasts were conducted during the reporting period. Monitoring at all four sites is conducted under the blast monitoring requirements set out in the **Wambo EPA licence (EPL 529) and DA 305-7-2003**. The blasting criteria are summarised in **Table 5** below.

Table 5 - Blasting Criteria Limits

Airblast Overpressure (dB(L))	Allowable exceedance
115	5% of the total number of blasts over a period of 12 months
120	0%
Ground Vibration (mm/s)	Allowable exceedance
5	5% of the total number of blasts over a period of 12 months
10	0%

All measured blast events for September 2014 were within the prescribed criteria limits. Blast results are presented in **Table 6** below.

Table 6 - Blast Results – September 2014

Date	Time	Location	Kelly Residence – A0728			Wambo Homestead – A0722			Harris Site – A6006			Muller Residence – A6005		
			Over Pressure (dB(L))	Vibration (mm/s)	Wave-form	Over Pressure (dB(L))	Vibration (mm/s)	Wave-form	Over Pressure (dB(L))	Vibration (mm/s)	Wave-form	Over Pressure (dB(L))	Vibration (mm/s)	Wave-form
1/09/2014	9:45:05	M16WTA1	103.4	0.15	YES	<115.0	<0.16	NO	101.8	0.16	YES	97	0.74	YES
9/09/2014	11:35:53	M19RCA4	101.3	0.2	YES	105.6	0.28	YES	107.5	0.25	YES	97	0.12	YES
9/09/2014	11:41:52	BS5WMA1	99.6	0.1	YES	95.8	0.14	YES	<115.0	<0.16	NO	97	0.51	YES
11/09/2014	15:38:27	M20RCA1	100.6	0.06	YES	96.5	0.08	YES	100.5	0.05	YES	100.3	0.16	YES
15/09/2014	15:35:48	BS5WMA1a	97.3	0.19	YES	102.2	0.32	YES	104.2	0.21	YES	98.3	0.08	YES
15/09/2014	15:43:05	M20RCA1a	90.1	0.05	YES	<115.0	<0.16	NO	90.9	0.05	YES	99.9	0.14	YES
18/09/2014	15:29:08	M20RCA2	94.8	0.06	YES	95.8	0.05	YES	98	0.06	YES	99.4	0.31	YES
24/09/2014	15:48:42	M18WRC1	98.5	0.11	YES	<115.0	<0.16	NO	98.4	0.12	YES	102.4	0.75	YES
29/09/2014	15:37:32	M21WWA1	94.4	0.09	YES	<115.0	<0.16	NO	104.5	0.14	YES	97	0.68	YES

Date	Time	Location	Thelander Residence – A8047		
			Over Pressure (dB(L))	Vibration (mm/s)	Wave-form
1/09/2014	9:45:05	M16WTA1	95.9	0.62	YES
9/09/2014	11:35:53	M19RCA4	98.4	0.13	YES
9/09/2014	11:41:52	BS5WMA1	96.8	0.34	YES
11/09/2014	15:38:27	M20RCA1	100.9	0.2	YES
15/09/2014	15:35:48	BS5WMA1a	<115.0	<0.16	NO
15/09/2014	15:43:05	M20RCA1a	<115.0	<0.16	NO
18/09/2014	15:29:08	M20RCA2	99.8	0.39	YES
24/09/2014	15:48:42	M18WRC1	101.5	0.95	YES
29/09/2014	15:37:32	M21WWA1	102.9	0.89	YES

8.0 Noise Monitoring

8.1. Attended Monitoring

Attended noise monitoring is undertaken on a quarterly basis. No attended noise monitoring was undertaken during September.

8.2. Real Time Monitoring

Real time noise monitoring results are reported in a quarterly format and can be found on the Peabody Wambo website at www.peabodyenergy.com/content/404/Australia-Mining-New/New-South-Wales/Wambo-Mine.

9.0 Real-Time Air Quality Monitoring

Four real time Tapered Element Oscillating Microbalance (TEOM) units were in operation during the reporting period. The sites are located at Coralie (PM01), the Caban residence (PM02), Thelander residence (PM03) and the Muller residence (PM04). These units measure particulate matter less than 10 microns in diameter (PM₁₀) on a continuous basis and provide a 24 hour average result. These units operated and sampled in accordance with **AS 3580.9.8 - 2002, Method for Sampling and Analysis of Ambient Air - Determination of Suspended Particulate Matter - PM₁₀ Continuous Direct Mass Method using a Tapered Element Oscillating Microbalance Analyser.**

September results are presented in **Table 7** and **Figure 4** below.

All PM₁₀ sites were within the yearly average criteria limits of **30ug/m³**, no sites were outside of 24hr average criteria of **50ug/m³** for a single day during this reporting period.

Table 7 - PM₁₀ Results – September 2014

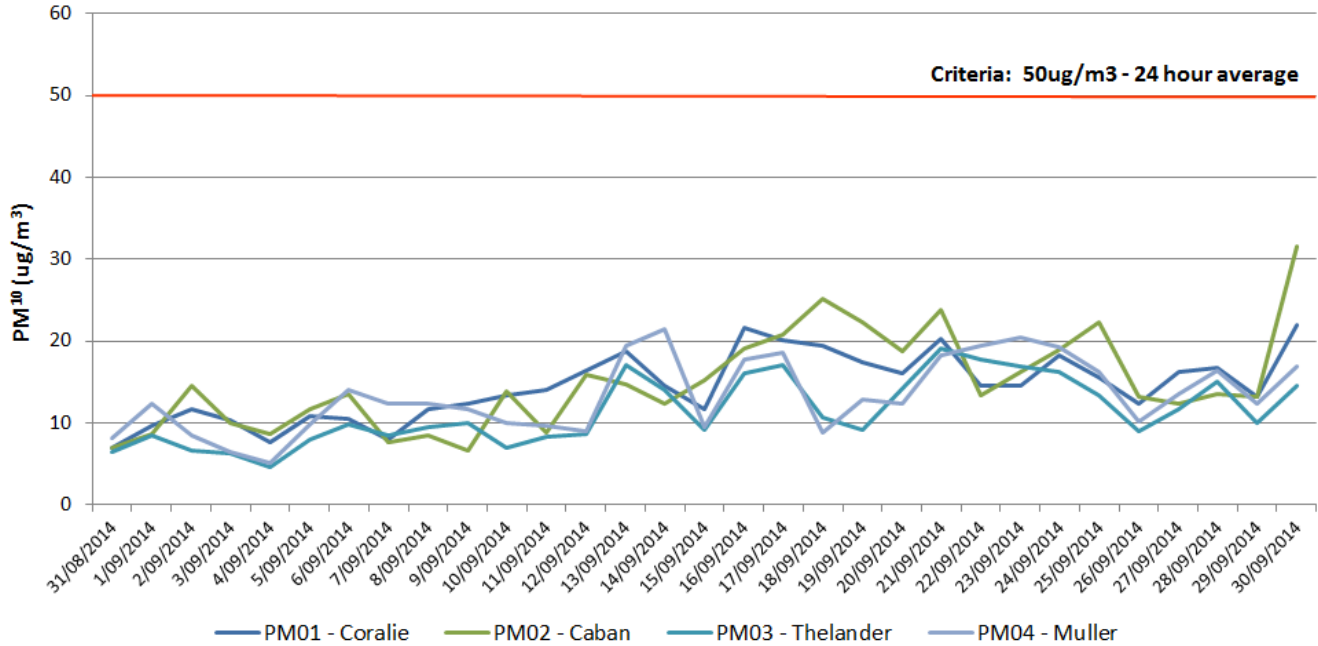
Date of Run	PM01 (Coralie)		PM02 (Wambo Road)		PM03 (Thelander)		PM04 (Muller)	
	PM10 24 Hour Result (ug/m ³)	YTD Average	PM10 24 Hour Result (ug/m ³)	YTD Average	PM10 24 Hour Result (ug/m ³)	YTD Average	PM10 24 Hour Result (ug/m ³)	YTD Average
1/09/2014	9.7	15.6	8.7	17.6	8.5	13.9	12.4	15.9
2/09/2014	11.7	15.6	14.5	17.6	6.6	13.9	8.4	15.9
3/09/2014	10.3	15.6	9.9	17.6	6.2	13.9	6.5	15.9
4/09/2014	7.7	15.5	8.7	17.5	4.5	13.8	5.1	15.8
5/09/2014	10.8	15.5	11.7	17.5	7.9	13.8	9.8	15.8

Date of Run	PM01 (Coralie)		PM02 (Wambo Road)		PM03 (Thelander)		PM04 (Muller)	
	PM10 24 Hour Result (ug/m ³)	YTD Average	PM10 24 Hour Result (ug/m ³)	YTD Average	PM10 24 Hour Result (ug/m ³)	YTD Average	PM10 24 Hour Result (ug/m ³)	YTD Average
6/09/2014	10.4	15.5	13.5	17.5	9.8	13.8	14.0	15.8
7/09/2014	7.9	15.4	7.6	17.5	8.4	13.8	12.4	15.8
8/09/2014	11.6	15.4	8.5	17.4	9.5	13.7	12.3	15.8
9/09/2014	12.4	15.4	6.6	17.4	10.0	13.7	11.6	15.8
10/09/2014	13.4	15.4	13.8	17.4	7.0	13.7	10.0	15.7
11/09/2014	14.1	15.4	8.8	17.3	8.3	13.7	9.7	15.7
12/09/2014	16.4	15.4	15.8	17.3	8.7	13.7	9.0	15.7
13/09/2014	18.7	15.4	14.7	17.3	17.0	13.7	19.5	15.7
14/09/2014	14.6	15.4	12.3	17.3	14.0	13.7	21.4	15.7
15/09/2014	11.7	15.4	15.2	17.3	9.1	13.7	9.5	15.7
16/09/2014	21.6	15.4	19.0	17.3	16.0	13.7	17.8	15.7
17/09/2014	20.1	15.4	20.7	17.3	17.1	13.7	18.6	15.7
18/09/2014	19.4	15.5	25.1	17.3	10.6	13.7	8.8	15.7
19/09/2014	17.4	15.5	22.3	17.4	9.2	13.7	12.8	15.7
20/09/2014	16.1	15.5	18.8	17.4	14.2	13.7	12.3	15.7
21/09/2014	20.2	15.5	23.8	17.4	19.0	13.7	18.2	15.7
22/09/2014	14.5	15.5	13.4	17.4	17.8	13.7	19.5	15.7
23/09/2014	14.5	15.5	16.2	17.4	16.9	13.7	20.5	15.7
24/09/2014	18.2	15.5	18.9	17.4	16.2	13.7	19.3	15.7
25/09/2014	15.6	15.5	22.3	17.4	13.3	13.7	16.2	15.7
26/09/2014	12.3	15.5	13.1	17.4	9.0	13.7	10.2	15.7
27/09/2014	16.2	15.5	12.4	17.4	11.6	13.7	13.5	15.7
28/09/2014	16.8	15.5	13.6	17.3	15.0	13.7	16.4	15.7
29/09/2014	13.2	15.5	13.2	17.3	9.9	13.7	12.3	15.7
30/09/2014	21.9	15.5	31.5	17.4	14.5	13.7	16.9	15.7

Note:

Results in **red** are greater than the 24hr period guidelines of 50ug/m³
 Results in **bold** are between 30ug/m³ and 50ug/m³

Figure 4 - 24 Hour Average PM₁₀ Results – September 2014



10.0 Community Complaints

During the reporting period **two** complaints were received. Twenty five complaints have been received year to date, compared to twenty six during the same reporting period in 2013.

Details of the community complaints are available on the Peabody Wambo website at www.peabodyenergy.com/content/422/Australia-Mining/New-South-Wales/Wambo-Mine/Approvals-Plans-and-Reports-Wambo-Mine.

Appendix A
Wambo Weather Station
Meteorological Data

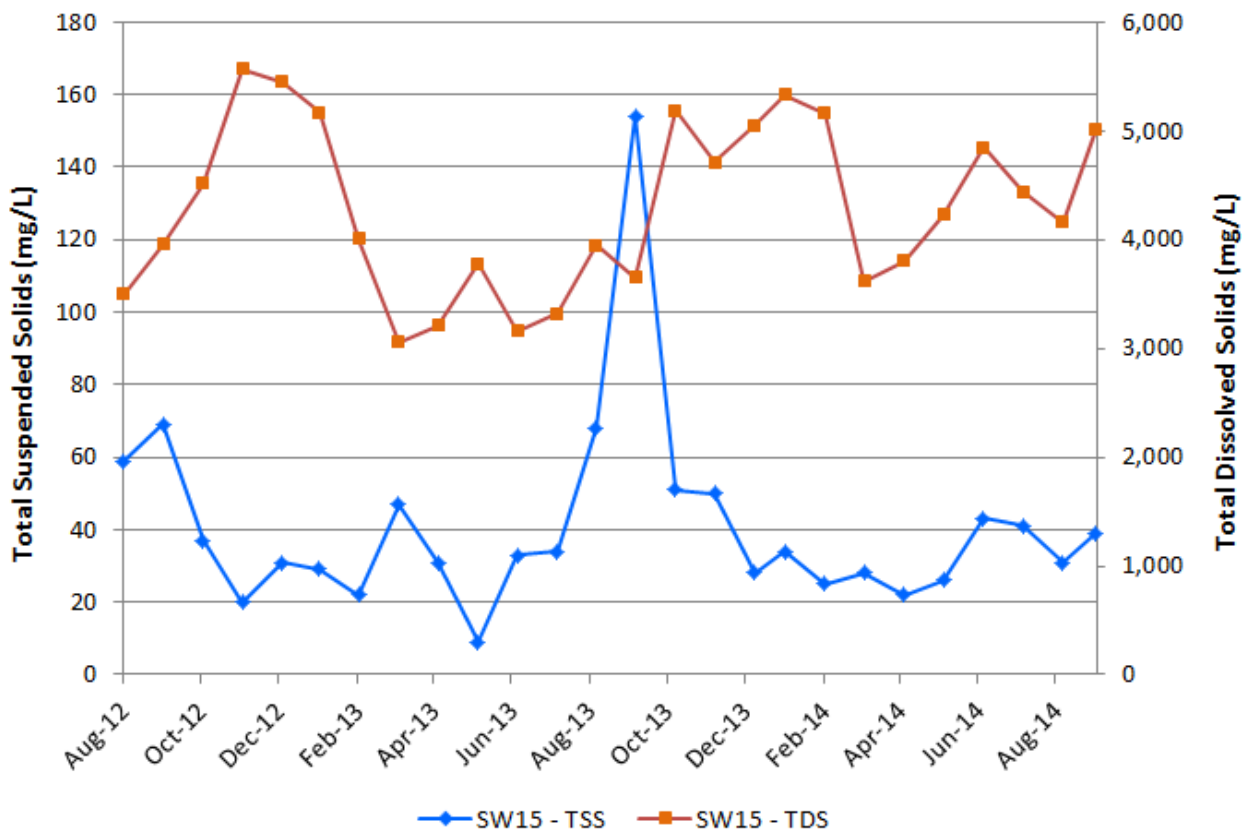
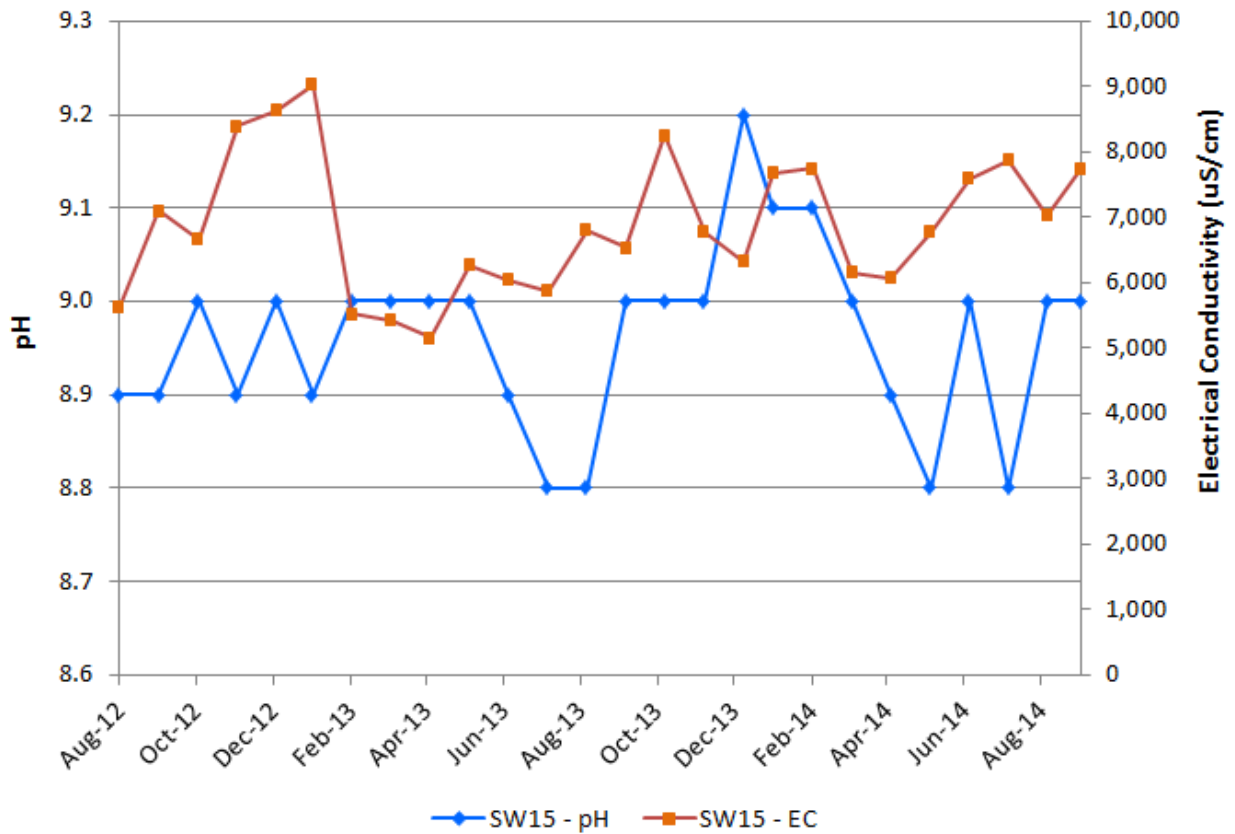
Meteorological Data September 2014

Date	Temperature (2m)			Temperature (10m)			Temperature Inversion			Humidity			Solar Radiation			Rain	Wind Speed		
	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	mm	Min	Avg	Max
01/09/14	6.0	14.1	23.8	6.6	14.9	23.8	-9.8	10.4	35.7	35.8	73.0	97.9	-2.3	187.0	808.3	0.2	1.8	3.5	0.2
02/09/14	9.8	13.8	18.8	10.4	14.5	18.8	-5.7	9.1	42.8	34.9	64.1	94.1	-1.7	102.3	732.7	0.1	2.2	3.6	0.1
03/09/14	5.0	12.1	18.2	7.1	12.9	18.0	-6.3	10.1	40.8	30.9	53.7	91.0	-2.3	189.8	898.1	0.3	2.2	3.6	0.3
04/09/14	3.6	11.4	18.1	5.7	12.9	17.9	-6.8	18.9	74.8	39.5	63.8	93.5	-3.2	163.3	941.6	0.2	1.9	3.4	0.2
05/09/14	10.3	13.4	18.1	11.8	14.0	17.9	-3.9	7.6	20.8	42.7	62.8	79.4	-2.2	136.8	817.6	0.5	2.2	3.8	0.5
06/09/14	10.3	13.7	18.2	11.1	14.2	17.9	-5.6	5.9	14.9	55.4	76.3	91.8	-2.1	121.6	906.3	1.1	2.1	3.6	1.1
07/09/14	9.4	14.2	19.4	11.0	14.8	19.3	-4.5	6.9	21.8	48.3	77.0	96.7	-2.1	150.7	921.3	0.2	1.8	3.2	0.2
08/09/14	6.8	14.1	21.2	8.5	14.9	21.0	-3.4	9.9	27.7	49.5	76.5	96.2	-2.1	179.6	972.0	0.3	1.7	3.2	0.3
09/09/14	5.8	15.3	25.4	6.7	16.4	25.3	-7.3	13.6	48.9	38.3	72.7	97.6	-2.1	210.6	799.5	0.2	1.8	3.6	0.2
10/09/14	9.1	16.1	23.5	10.6	17.1	23.5	0.0	13.4	39.7	32.5	68.3	95.2	-2.1	164.3	802.5	0.2	2.1	3.8	0.2
11/09/14	6.9	15.2	24.8	8.9	16.5	24.9	-7.9	16.0	46.8	33.4	65.2	96.1	-2.1	233.9	808.5	0.2	2.0	3.5	0.2
12/09/14	7.7	14.1	20.4	10.1	15.2	20.2	-4.8	13.1	39.4	51.9	75.4	94.1	-2.1	135.7	908.7	0.2	1.7	3.0	0.2
13/09/14	11.5	15.9	22.4	12.6	16.4	22.2	-5.8	6.7	21.8	46.4	75.4	95.0	-1.8	176.5	978.8	0.1	1.5	3.1	0.1
14/09/14	8.0	16.4	26.3	9.3	17.3	26.3	-7.1	11.0	42.4	28.1	68.9	97.4	-2.0	216.5	803.9	0.2	2.1	3.5	0.2
15/09/14	8.9	16.9	24.4	10.8	17.6	24.1	-8.0	9.1	33.8	27.3	69.2	96.7	-2.1	224.7	807.3	0.2	1.5	3.3	0.2
16/09/14	11.1	18.3	26.1	12.2	18.8	26.1	-8.1	6.1	19.1	22.5	58.5	94.6	-1.7	221.6	790.4	0.3	2.2	3.8	0.3
17/09/14	8.0	16.1	23.3	10.8	16.8	23.2	-10.1	8.7	45.3	24.6	49.5	82.4	-2.1	235.4	844.2	0.3	2.4	4.2	0.3
18/09/14	5.4	13.9	23.0	8.3	15.1	22.9	-11.2	14.9	59.1	13.9	49.6	84.1	-2.1	243.9	832.2	0.0	2.1	3.4	0.0
19/09/14	2.2	10.7	19.3	3.6	11.7	19.1	-10.8	12.1	39.7	33.3	66.9	95.9	-2.1	193.7	815.5	0.1	1.3	2.6	0.1
20/09/14	1.6	12.3	21.5	3.0	13.0	21.5	-9.2	8.3	30.3	32.7	67.8	96.8	-1.9	224.8	806.4	0.2	1.7	3.5	0.2
21/09/14	8.1	14.4	20.9	9.4	15.2	20.8	-5.7	10.2	33.1	45.7	71.1	93.3	-2.1	170.8	986.3	0.2	1.7	3.1	0.2
22/09/14	7.3	14.3	21.8	8.7	15.0	21.8	-6.3	9.3	30.0	39.3	71.8	96.4	-2.1	217.6	990.1	0.2	1.7	3.1	0.2
23/09/14	3.6	14.0	23.2	5.0	14.9	23.4	-11.3	11.4	39.5	26.8	72.5	97.4	-2.1	247.0	831.9	0.1	1.6	3.4	0.1
24/09/14	6.1	16.6	26.8	7.3	17.4	26.7	-11.4	10.3	36.1	27.3	65.3	97.5	-2.2	241.8	806.7	0.2	1.7	3.2	0.2
25/09/14	11.6	16.9	22.9	12.8	17.4	22.5	-7.6	7.3	28.0	54.2	80.2	94.8	-1.7	101.2	867.2	0.2	2.0	3.6	0.2
26/09/14	9.8	16.5	23.2	11.8	17.2	22.5	-9.8	8.7	27.6	37.6	69.8	96.6	-1.7	226.1	1007.2	0.1	1.5	2.8	0.1
27/09/14	10.5	16.1	22.1	11.9	16.7	22.2	-5.7	8.2	22.9	41.8	71.0	92.7	-1.8	187.0	983.9	0.2	1.6	3.3	0.2
28/09/14	6.0	15.6	25.7	7.6	16.5	25.5	-9.1	11.6	40.0	28.6	68.2	97.3	-2.1	260.9	862.9	0.1	1.6	2.9	0.1
29/09/14	7.5	20.4	31.4	8.9	21.4	30.7	-10.7	12.3	54.6	22.1	52.3	94.6	-2.2	258.4	846.9	0.1	2.1	4.0	0.1
30/09/14	12.0	23.9	32.8	14.0	25.3	32.6	-6.2	17.1	81.7	23.2	44.3	84.8	-1.7	203.5	962.7	0.3	2.3	4.2	0.3
MONTH	1.6	15.2	32.8	3.0	16.1	32.6	-11.4	10.6	81.7	13.9	66.7	97.9	-3.2	194.2	1,007.2	0.0	1.9	4.2	0.0

Appendix B

Surface Water Graphs

SW 15 – Eagles Nest Dam (EPL Discharge Point)



SW 01 – Wollombi Brook Upstream (U/S) near Bulga Township
SW 40 – Wollombi Brook Upstream (U/S) of South Wambo Creek
SW 02 – Wollombi Brook Downstream (D/S) near Warkworth Village

