



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30905&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: April 2012

Publication Date: 22nd June 2012 (re-published 24th October 2012, 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
2	Particulates-Deposited Matter	g/m ² /month	Continuous	1	16/4/2012	24/4/2012	-	-	-	1.1
3	Particulates-Deposited Matter	g/m ² /month	Continuous	1	16/4/2012	24/4/2012	-	-	-	0.2
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	16/4/2012	24/4/2012	-	-	-	0.8
5	Particulates-Deposited Matter	g/m ² /month	Continuous	1	16/4/2012	24/4/2012	-	-	-	0.4
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	16/4/2012	24/4/2012	-	-	-	0.7
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	16/4/2012	24/4/2012	-	-	-	3.1
8	Particulates-Deposited Matter	g/m ² /month	Continuous	1	16/4/2012	24/4/2012	-	-	-	0.9
9	PM ₁₀	µg/m ³	Every 6 days	4	2,8,20,26/4/2012	7/5/2012	12.9	14.8	21.8	54.5
10	PM ₁₀	µg/m ³	Every 6 days	5	2,8,14,20,26/4/2012	7/5/2012	6.0	11.9	11.7	15.7



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EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.



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** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TOC	mg/L		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

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Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured Levels – dB(A) <i>L_{eq} 15min Day</i>	Measured Levels – dB(A) <i>L_{eq} 15min Evening</i>	Measured Levels – dB(A) <i>L_{eq} 15min Night</i>	Measured Levels – dB(A) <i>L_{A1} (1 min) Night</i>	Limit(s)	Weather	Compliant (Yes/No)	Comments
N1	-	-	-	-	-	-	-	Day, Evening & Night: 35 Night <i>L_{A1} (1 min):</i> 45	-	-	No monitoring for month
N2	-	-	-	-	-	-	-	Day, Evening & Night: 35 Night <i>L_{A1} (1 min):</i> 45	-	-	No monitoring for month

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach
N1	Blast Noise	dB (Lin Peak)	Every Blast	1	DNT	DNT	120	No
	Blast Vibration	mm/s	Every Blast	1	DNT	DNT	10	No
N2	Blast Noise	dB (Lin Peak)	Every Blast	1	84.2	84.2	120	No
	Blast Vibration	mm/s	Every Blast	1	1.1	1.1	10	No



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DNT – Indicates the blast did not trigger a result at the monitor.

Figure 1 – EPL 12870 Monitoring Locations



WHITEHAVEN COAL

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Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30905&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: May 2012

Publication Date: 22nd June 2012 (re-published 24th October 2012, 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
2	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/5/2012	24/5/2012	-	-	-	2.0
3	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/5/2012	24/5/2012	-	-	-	1.0
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/5/2012	24/5/2012	-	-	-	1.2
5	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/5/2012	24/5/2012	-	-	-	0.6
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/5/2012	24/5/2012	-	-	-	0.8
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/5/2012	24/5/2012	-	-	-	0.8
8	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/5/2012	24/5/2012	-	-	-	0.9
9	PM ₁₀	µg/m ³	Every 6 days	5	2,8,14,20,26/5/2012	8/5/2012	3.0	23.0	26.4	38.5
10	PM ₁₀	µg/m ³	Every 6 days	5	2,8,14,20,26/5/2012	8/5/2012	3.4	8.6	8.3	12.6



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EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.



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Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	1	7/5/2012	16/5/2012	-	-	-	954
	Oil & Grease	mg/L		1	7/5/2012	16/5/2012	-	-	-	<5
	pH	pH		1	7/5/2012	16/5/2012	-	-	-	8.10
	TOC	mg/L		1	7/5/2012	16/5/2012	-	-	-	<1
	TSS	mg/L		1	7/5/2012	16/5/2012	-	-	-	6

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY
Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _{A1} (1 min) Night	Limit(s)	Weather	Compliant (Yes/No)	Comments
N1	-	-	-	-	-	-	-	Day, Evening & Night: 35 Night L _{A1} (1 min): 45	-	-	No monitoring for month
N2	-	-	-	-	-	-	-	Day, Evening & Night: 35 Night L _{A1} (1 min): 45	-	-	No monitoring for month

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach
N1	Blast Noise	dB (Lin Peak)	Every Blast	2	106.7	113.6	120	No
	Blast Vibration	mm/s	Every Blast	2	0.56	0.77	10	No
N2	Blast Noise	dB (Lin Peak)	Every Blast	2	96.7	96.7	120	No
	Blast Vibration	mm/s	Every Blast	2	0.44	0.44	10	No

DNT – Indicates the blast did not trigger a result at the monitor.

ROCGLEN COAL MINE – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 12870 Monitoring Locations





ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31571&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: June 2012

Publication Date: 24th July 2012 (re-published 24th October 2012, July 29th 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/6/2012	29/6/2012	-	-	-	0.5
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/6/2012	29/6/2012	-	-	-	0.4
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/6/2012	29/6/2012	-	-	-	0.5
10	PM ₁₀	µg/m ³	Every 6 days	5	1, 7, 13, 19, 25/6/2012	10/7/2012	3.8	6.4	6.0	9.5
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TOC	mg/L		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-



ROCGLÉN COAL MINE – MONTHLY MONITORING SUMMARY

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit	Weather	Compliant (Yes/No)	Comments
				L _{eq} 15min Day	L _{eq} 15min Evening	L _{eq} 15min Night	L _{A1} (1 min) Night				
N1~	27/6/2012	7:50 am	15 min	<20				35	Wind 1 m/s SE	Yes	
	27/6/2012	6:04 pm	15 min		Inaudible			35	Wind 1 m/s SE	Yes	
	27/6/2012	10:10 pm	15 min			25		35	Wind 0.5 m/s SE	Yes	
	27/6/2012	10:10 pm	1min				31	45	Wind 0.5 m/s SE	Yes	
N2~	27/6/2012	8:20 am	15 min	36				35	Wind 1 m/s SE	No	Property project related
	27/6/2012	6:31 pm	15 min		35			35	Wind 1 m/s SE	Yes	
	27/6/2012	10:34 pm	15 min			37		35	Wind 0.5 m/s SE	No	Property project related
	27/6/2012	10:34 pm	1min				45	45	Wind 0.5 m/s SE	Yes	

~Monitoring undertaken in accordance with previous licence version, as current licence not issued at time of monitoring.



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach
N1~	Blast Noise	dB (Lin Peak)	Every Blast	1	104.2	104.2	120	No
	Blast Vibration	mm/s	Every Blast	1	0.50	0.50	10	No
N2~	Blast Noise	dB (Lin Peak)	Every Blast	1	99.7	99.7	120	No
	Blast Vibration	mm/s	Every Blast	1	0.17	0.17	10	No

DNT – Indicates the blast did not trigger a result at the monitor.

~Monitoring undertaken in accordance with previous licence version, as current licence not issued at time of monitoring.

ROCGLEN COAL MINE – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 12870 Monitoring Locations





ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31571&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: July 2012

Publication Date: 23rd August 2012 (re-published 24th October 2012, 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/7/2012	25/7/2012	-	-	-	0.5
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/7/2012	25/7/2012	-	-	-	0.4
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/7/2012	25/7/2012	-	-	-	0.4
10	PM ₁₀	µg/m ³	Every 6 days	6	1,7,13,19,25,31/7/12	14/8/2012	6.8	7.3	7.15	8.5
11	Conductivity	µS/cm	Special Frequency 1*	1	13/7/2012	23/7/2012	-	-	-	313
	Total organic carbon	mg/L		1	13/7/2012	23/7/2012	-	-	-	11
12	Conductivity	µS/cm	Special Frequency 1*	1	13/7/2012	23/7/2012	-	-	-	333
	Total organic carbon	mg/L		1	13/7/2012	23/7/2012	-	-	-	5
13	TSS	mg/L	Special Frequency 2**	1	13/7/2012	23/7/2012	-	-	-	202
	Conductivity	µS/cm		1	13/7/2012	23/7/2012	-	-	-	79
	Oil & Grease	mg/L		1	13/7/2012	23/7/2012	-	-	-	<5
	pH	pH		1	13/7/2012	23/7/2012	-	-	-	7.30
	Total organic carbon	Mg/L		1	13/7/2012	23/7/2012	-	-	-	22

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
14	TSS	mg/L	Special Frequency 2**	1	13/7/2012	23/7/2012	-	-	-	86
	Conductivity	µS/cm		1	13/7/2012	23/7/2012	-	-	-	86
	Oil & Grease	mg/L		1	13/7/2012	23/7/2012	-	-	-	<5
	pH	pH		1	13/7/2012	23/7/2012	-	-	-	7.44
	Total organic carbon	mg/L		1	13/7/2012	23/7/2012	-	-	-	14
15	TSS	mg/L	Special Frequency 2**	1	13/7/2012	23/7/2012	-	-	-	57
	Conductivity	µS/cm		1	13/7/2012	23/7/2012	-	-	-	148
	Oil & Grease	mg/L		1	13/7/2012	23/7/2012	-	-	-	<5
	pH	pH		1	13/7/2012	23/7/2012	-	-	-	7.64
	Total organic carbon	mg/L		1	13/7/2012	23/7/2012	-	-	-	20

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	1	13/7/2012	23/7/2012	-	372	50	No	Exceeded 38.4mm over 5 days leading to discharge
	Oil & Grease	mg/L		1	13/7/2012	23/7/2012	-	<5	10	No	
	pH	pH		1	13/7/2012	23/7/2012	-	7.89	6.5-8.5	No	
12	TSS	mg/L	Special Frequency 1*	1	13/7/2012	23/7/2012	-	274	50	No	Exceeded 38.4mm over 5 days leading to discharge
	Oil & Grease	mg/L		1	13/7/2012	23/7/2012	-	<5	10	No	
	pH	pH		1	13/7/2012	23/7/2012	-	7.61	6.5-8.5	No	



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TOC	mg/L		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured Levels – dB(A) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit	Weather	Compliant (Yes/No)	Comments
N1	27/6/2012	7:50 am	15 min	-				35	-	-	No monitoring for month
	27/6/2012	6:04 pm	15 min		-			35	-	-	
	27/6/2012	10:10 pm	15 min			-		35	-	-	
	27/6/2012	10:10 pm	1min				-	45	-	-	
N2	27/6/2012	8:20 am	15 min	-				35	-	-	No monitoring for month
	27/6/2012	6:31 pm	15 min		-			35	-	-	
	27/6/2012	10:34 pm	15 min			-		35	-	-	
	27/6/2012	10:34 pm	1min				-	45	-	-	



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance /breach
N1	Blast Noise	dB (Lin Peak)	Every Blast	1	107.3	107.3	120	No
	Blast Vibration	mm/s	Every Blast	1	0.36	0.36	10	No
N2	Blast Noise	dB (Lin Peak)	Every Blast	1	DNT	DNT	120	No
	Blast Vibration	mm/s	Every Blast	1	DNT	DNT	10	No

DNT – Indicates the blast did not trigger a result at the monitor.

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 12870 Monitoring Locations





ROCGLEN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31571&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: August 2012

Publication Date: 19th September 2012 (re-published 24th October 2012, 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/8/2012	27/8/2012	-	-	-	1.5
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/8/2012	27/8/2012	-	-	-	1.6
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	17/8/2012	27/8/2012	-	-	-	0.7
10	PM ₁₀	µg/m ³	Every 6 days	6	6,12,18,24,30/8/2012	13/9/2012	5.8	12.0	11.7	20.2
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	1	1/8/2012	7/8/2012	-	-	-	1220
	Oil & Grease	mg/L		1	1/8/2012	7/8/2012	-	-	-	<5
	pH	pH		1	1/8/2012	7/8/2012	-	-	-	8.5
	TOC	mg/L		1	1/8/2012	7/8/2012	-	-	-	2
	TSS	mg/L		1	1/8/2012	7/8/2012	-	-	-	12

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit	Weather	Compliant (Yes/No)	Comments
				L _{eq} 15min Day	L _{eq} 15min Evening	L _{eq} 15min Night	L _{A1} (1 min) Night				
N1	27/6/2012	7:50 am	15 min	-				35	-	-	No monitoring for month
	27/6/2012	6:04 pm	15 min		-			35	-	-	
	27/6/2012	10:10 pm	15 min			-		35	-	-	
	27/6/2012	10:10 pm	1 min				-	45	-	-	
N2	27/6/2012	8:20 am	15 min	-				35	-	-	No monitoring for month
	27/6/2012	6:31 pm	15 min		-			35	-	-	
	27/6/2012	10:34 pm	15 min			-		35	-	-	
	27/6/2012	10:34 pm	1 min				-	45	-	-	



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance /breach
N1	Blast Noise	dB (Lin Peak)	Every Blast	2	DNT	DNT	120	No
	Blast Vibration	mm/s	Every Blast	2	DNT	DNT	10	No
N2	Blast Noise	dB (Lin Peak)	Every Blast	2	DNT	DNT	120	No
	Blast Vibration	mm/s	Every Blast	2	DNT	DNT	10	No

DNT – Indicates the blast did not trigger a result at the monitor.

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 12870 Monitoring Locations





ROCGLEN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31571&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: September 2012

Publication Date: 18th October 2012 (re-published 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/9/2012	26/9/2012	-	-	-	0.7
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/9/2012	26/9/2012	-	-	-	2.3
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/9/2012	26/9/2012	-	-	-	1.7
10	PM ₁₀	µg/m ³	Every 6 days	6	5,11,17,23,29/9/2012	16/9/2012	8.6	17.2	19.8	34.6
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	ms/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TOC	mg/L		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Measurement Period	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit	Weather	Compliant (Yes/No)	Comments
				L _{eq} 15min Day	L _{eq} 15min Evening	L _{eq} 15min Night	L _{A1} (1 min) Night				
N1	27/6/2012	7:50 am	15 min	-				35	-	-	No monitoring for month
	27/6/2012	6:04 pm	15 min		-			35	-	-	
	27/6/2012	10:10 pm	15 min			-		35	-	-	
	27/6/2012	10:10 pm	1min				-	45	-	-	
N2	27/6/2012	8:20 am	15 min	-				35	-	-	No monitoring for month
	27/6/2012	6:31 pm	15 min		-			35	-	-	
	27/6/2012	10:34 pm	15 min			-		35	-	-	
	27/6/2012	10:34 pm	1min				-	45	-	-	

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance /breach
N1	Blast Noise	dB (Lin Peak)	Every Blast	3	DNT	DNT	120	No
	Blast Vibration	mm/s	Every Blast	3	DNT	DNT	10	No
N2	Blast Noise	dB (Lin Peak)	Every Blast	3	DNT	DNT	120	No
	Blast Vibration	mm/s	Every Blast	3	DNT	DNT	10	No

DNT – Indicates the blast did not trigger a result at the monitor.



WHITEHAVEN COAL

ROCGLEN COAL MINE – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 12870 Monitoring Locations





ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31921&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: October 2012

Publication Date: 30th November 2012 (re-published 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/10/2012	26/10/2012	0.9	0.9	0.9	0.9
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/10/2012	26/10/2012	0.9	0.9	0.9	0.9
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	18/10/2012	26/10/2012	1.6	1.6	1.6	1.6
10	PM ₁₀	µg/m ³	Every 6 days	5	5,11,17,23,29/10/2012	12/11/2012	9.3	20.5	23	31.4
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TOC	mg/L		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _A 1min Night	Limits	Wind speed/ direction	Compliant (Y/N)	Comments	
N1	25/9/2012	3:23pm	90 min	Not Audible				35 dB(A) Leq (15 min) Day, Evening, Night 45 dB(A) L _A (1min) Night	2 m/s SE	Y		
		7:45pm	30 min		29				1.5 m/s SE	Y		
		12:30am	60 min			25			1 m/s SE	Y		
		10:05pm	60 min				28		1 m/s SE	Y		
	26/9/2012	11:28am	90 min	Not Audible						3 m/s NW	Y	
		7:57pm	30 min		19					1 m/s SE	Y	
		10:04pm	60 min			15				0.5m/s SE	Y	
		10:04pm	60 min				<20			0.5 m/s SE	Y	
	27/9/2012	10:40am	90 min	19						1 m/s NW	Y	
		6:04pm	30 min		Not Audible					2 m/s NW	Y	
		10:05pm	60 min			Not Audible				4 m/s NW	Y	
		12:30am	60 min				Not Audible			1 m/s NW	Y	
N2	25/9/2012	6:20pm	30 min		Not Audible			35 dB(A) Leq (15 min) Day, Evening, Night	1.5 m/s SE	Y		
		10:08pm	60 min			33			1.5 m/s SE	Y		
		12:17am	60 min				35		1.5 m/s SE	Y		
	26/9/2012	2:45 pm	90 min	<20						2 m/s NW	Y	
		9:23pm	30 min		24					1 m/s SE	Y	
		1:27am	60 min			20				0.5 m/s SE	Y	



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

27/9/2012	1:27am	60 min				<25	45 dB(A) L _A (1min) Night	0.5 m/s SE	Y	
	1:55pm	90 min	22					3.5 m/s, NW	Y	
	7:23pm	30 min		32				2 m/s NW	Y	
	12:17am	60 min			31			0.5 m/s NW	Y	
	10:08pm	60 min				40		0.5 m/s NW	Y	
	28/9/2012	7:19am	90 min	36					Calm	N

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach
BB1	Blast Noise	dB (Lin Peak)	Every Blast	6	99.5	102	120	No
	Blast Vibration	mm/s	Every Blast	6	0.25	0.27	10	No
BB3	Blast Noise	dB (Lin Peak)	Every Blast	6	107.5	113	120	No
	Blast Vibration	mm/s	Every Blast	6	0.30	0.35	10	No

DNT – Indicates the blast did not trigger a result at the monitor.

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY



Figure 1 – EPL 12870 Monitoring Locations



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31921&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: November 2012

Publication Date: 13th December 2012 (re-published 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	19/11/2012	23/11/2012	1.5	1.5	1.5	1.5
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	19/11/2012	23/11/2012	0.4	0.4	0.4	0.4
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	19/11/2012	23/11/2012	0.5	0.5	0.5	0.5
10	PM ₁₀	µg/m ³	Every 6 days	4	4,10,16,28/11/2012	12/12/2012	8.4	8.4	12.5	16.0
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	1	28/11/2012	6/12/2012	1710	1710	1710	1710
	Oil & Grease	mg/L		1	28/11/2012	6/12/2012	<5	<5	<5	<5
	pH	pH		1	28/11/2012	6/12/2012	8.94	8.94	8.94	8.94
	TOC	mg/L		1	28/11/2012	6/12/2012	2	2	2	2
	TSS	mg/L		1	28/11/2012	6/12/2012	12	12	12	12



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Period	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) LA 1min Night	Limits	Wind speed/ direction	Compliant (Y/N)	Comments
N1	-	-	90 min	-				35 dB(A) Leq (15 min) Day, Evening, Night 45 dB(A) LA (1min) Night	-	-	No monitoring for month.
		-	30 min		-				-	-	No monitoring for month.
		-	60 min			-			-	-	No monitoring for month.
		-	60 min				-		-	-	No monitoring for month.
	-	-	90 min	-					-	-	No monitoring for month.
		-	30 min		-				-	-	No monitoring for month.
		-	60 min			-			-	-	No monitoring for month.
		-	60 min				-		-	-	No monitoring for month.
	-	-	90 min	-					-	-	No monitoring for month.
		-	30 min		-				-	-	No monitoring for month.
		-	60 min			-			-	-	No monitoring for month.
		-	60 min				-		-	-	No monitoring for month.
N2	-	-	30 min		-			35 dB(A) Leq (15 min) Day, Evening, Night	-	-	No monitoring for month.
		-	60 min			-			-	-	No monitoring for month.
		-	60 min				-		-	-	No monitoring for month.
	-	-	90 min	-					-	-	No monitoring for month.
		-	30 min		-				-	-	No monitoring for month.

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Date	Start Time	Period	Measured Levels – dB(A) L _{eq} 15min Day	Measured Levels – dB(A) L _{eq} 15min Evening	Measured Levels – dB(A) L _{eq} 15min Night	Measured Levels – dB(A) L _A 1min Night	Limits	Wind speed/direction	Compliant (Y/N)	Comments
		-	60 min			-		45 dB(A) L _A (1min) Night	-	-	No monitoring for month.
		-	60 min				-		-	No monitoring for month.	
		-	90 min	-					-	-	No monitoring for month.
		-	30 min		-				-	-	No monitoring for month.
		-	60 min			-			-	-	No monitoring for month.
		-	60 min				-		-	-	No monitoring for month.
	-	-	90 min	-					-	-	No monitoring for month.

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach
BB1	Blast Noise	dB (Lin Peak)	Every Blast	6	105	110	120	No
	Blast Vibration	mm/s	Every Blast	6	0.25	0.26	10	No
BB3	Blast Noise	dB (Lin Peak)	Every Blast	6	107	107	120	No
	Blast Vibration	mm/s	Every Blast	6	0.45	0.65	10	No

DNT – Indicates the blast did not trigger a result at the monitor.



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY



Figure 1 – EPL 12870 Monitoring Locations



ROCGLEN COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31921&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: December 2012

Publication Date: 15th January 2013 (re-published 29th July 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
4	Particulates-Deposited Matter	g/m ² /month	Continuous	1	19/12/2012	2/1/2013	1.3	1.3	1.3	1.3
6	Particulates-Deposited Matter	g/m ² /month	Continuous	1	19/12/2012	2/1/2013	2.0	2.0	2.0	2.0
7	Particulates-Deposited Matter	g/m ² /month	Continuous	1	19/12/2012	2/1/2013	1.8	1.8	1.8	1.8
10	PM ₁₀	µg/m ³	Every 6 days	5	4,10,16,22,28/12/2012	10/1/2013	0.8	7.2	7.9	15.2
11	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
12	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
13	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
14	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
15	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max Value	100%ile Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge
12	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	-	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	-	-	No discharge
	pH	pH		0	-	-	-	-	-	-	No discharge



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
16	Aluminum	mg/L	Yearly	0	-	-	-	-	-	-
	Arsenic	mg/L		0	-	-	-	-	-	-
	Bicarbonate	mg/L		0	-	-	-	-	-	-
	Chloride	mg/L		0	-	-	-	-	-	-
	Iron	mg/L		0	-	-	-	-	-	-
	Manganese	mg/L		0	-	-	-	-	-	-
	Sodium	mg/L		0	-	-	-	-	-	-
16	Conductivity	µS/cm	Quarterly	0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	TOC	mg/L		0	-	-	-	-	-	-
	TSS	mg/L		0	-	-	-	-	-	-

ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY
Table 4 – Monitoring (Noise – Limits Apply)

EPL ID	Date	Start Time	Period	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) LA 1min Night	Limits	Wind speed/direction	Compliant (Y/N)	Comments
N1	12/12/2012	9:06am	90 min	Inaudible				35 dB(A) Leq (15 min) Day, Evening, Night 45 dB(A) LA (1min) Night	4.4 m/s/110°	Y	
		9:30 pm	30 min		Inaudible				8.4 m/s 109°	Y	
		12:00 am	60 min			Inaudible			6.1 m/s 86°	Y	
		12:00 am	60 min				Inaudible		6.1 m/s 86°	Y	
	13/12/2012	7:05 am	90 min	20					2.5 m/s 125°	Y	
		8:02 pm	30 min		29				2.3 m/s 102°	Y	
		10:01 pm	60 min			25			2.6 m/s 76°	Y	
		10:01 pm	60 min				35		2.6 m/s 76°	Y	
	14/12/2012	8:59 am	90 min	27					1.5 m/s 219°	Y	
		9:26 pm	30 min		Inaudible				1.6 m/s 80°	Y	
		11:26 pm	60 min			Inaudible			2.7 m/s 68°	Y	
		11:26 pm	60 min				Inaudible		2.7 m/s 68°	Y	
N2	12/12/2012	7:30 am	90 min	25				35 dB(A) Leq (15 min) Day, Evening, Night	3.2 m/s 117°	Y	
		8:48 pm	30 min		<25				6.8 m/s 103°	Y	
		10:15 pm	60 min			Inaudible			8.9 m/s 93°	Y	
		10:15 pm	60 min				Inaudible		8.9 m/s 93°	Y	
	13/12/2012	8:41 am	90 min	29					1.7 m/s 102°	Y	

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

EPL ID	Date	Start Time	Period	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) LA 1min Night	Limits	Wind speed/direction	Compliant (Y/N)	Comments
		8:50 pm	30 min		25			45 dB(A) LA (1min) Night	4.2 m/s 141°	Y	
		11:11 pm	60 min			<20			2.6 m/s 81°	Y	
		11:11 pm	60 min				27		2.6 m/s 81°	Y	
	14/12/2012	9:08 am	90 min	32					1.5 m/s 219°	Y	
		8:34 pm	30 min		24				3.0 m/s 43°	Y	
		10:11 pm	60 min			31			1.9 m/s 24°	Y	
		10:11 pm	60 min				37		1.9 m/s 24°	Y	

Table 5 – Monitoring (Blasts – Limits Apply)

EPL ID	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach
BB1	Blast Noise	dB (Lin Peak)	Every Blast	5	99	99	120	No
	Blast Vibration	mm/s	Every Blast	5	0.14	0.16	10	No
BB3	Blast Noise	dB (Lin Peak)	Every Blast	5	103	104	120	No
	Blast Vibration	mm/s	Every Blast	5	0.17	0.2	10	No

DNT – Indicates the blast did not trigger a result at the monitor.



WHITEHAVEN COAL

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY





ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

Figure 1 – EPL 12870 Monitoring Locations



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY CORRECTION LOG

Site Information

EPL No: 12870

EPA Website Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31571&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sample Point/s	Sample Date	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason
11 and 12	April 2012			24/10/2012	22/06/2012	The EPL requires monitoring of five pollutants but limits only apply to three of those pollutants. Results for the two other pollutants (Electrical Conductivity and Total Organic Carbon) were unintentionally excluded from reporting and have now been included.
	May 2012			24/10/2012	22/06/2012	
	June 2012			24/10/2012	24/07/2012	
	July 2012			24/10/2012	23/8/2012	
	August 2012			24/10/2012	19/09/2012	
	October 2012			29/07/2014	30/11/2012	
	November 2012			29/07/2014	13/12/2012	
	December 2012			29/07/2014	15/01/2013	
	January 2013			29/07/2014	21/02/2013	
	February 2013			29/07/2014	13/03/2013	
	March 2013			29/07/2014	22/04/2013	
	April 2013			29/07/2014	13/05/2013	
	May 2013			29/07/2014	21/06/2013	
	June 2013			29/07/2014	19/07/2013	
	July 2013			29/07/2014	09/08/2013	
	August 2013			29/07/2014	17/09/2013	
	September 2013			29/07/2014	11/10/2013	
	October 2013			29/07/2014	18/11/2013	
	November 2013			29/07/2014	19/12/2013	
	December 2013			29/07/2014	16/01/2014	
January 2014			29/07/2014	25/02/2014		
February 2014			29/07/2014	14/03/2014		



ROCGLN COAL MINE – MONTHLY MONITORING SUMMARY

CORRECTION LOG

Sample Point/s	Sample Date	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason
	March 2014			29/07/2014	23/04/2014	
	April 2014			29/07/2014	22/05/2014	
	May 2014			29/07/2014	17/06/2014	
13, 14 and 15	April 2012			29/07/2014	22/06/2012	The EPL requires monitoring of five pollutants. Results for one of these pollutants (Total Organic Carbon) were unintentionally excluded from reporting and have now been included.
	May 2012			29/07/2014	22/06/2012	
	June 2012			29/07/2014	24/07/2012	
	July 2012			29/07/2014	23/8/2012	
	August 2012			29/07/2014	19/09/2012	
	October 2012			29/07/2014	30/11/2012	
	November 2012			29/07/2014	13/12/2012	
	December 2012			29/07/2014	15/01/2013	
	January 2013			29/07/2014	21/02/2013	
	February 2013			29/07/2014	13/03/2013	
	March 2013			29/07/2014	22/04/2013	
	April 2013			29/07/2014	13/05/2013	
	May 2013			29/07/2014	21/06/2013	
	June 2013			29/07/2014	19/07/2013	
	July 2013			29/07/2014	09/08/2013	
	August 2013			29/07/2014	17/09/2013	
	September 2013			29/07/2014	11/10/2013	
	October 2013			29/07/2014	18/11/2013	
	November 2013			29/07/2014	19/12/2013	
	December 2013			29/07/2014	16/01/2014	
	January 2014			29/07/2014	25/02/2014	
	February 2014			29/07/2014	14/03/2014	
March 2014			29/07/2014	23/04/2014		
April 2014			29/07/2014	22/05/2014		
May 2014			29/07/2014	17/06/2014		
13, 14, 15 and 16	April 2012			29/07/2014	22/06/2012	The units in which Electrical Conductivity are
	May 2012			29/07/2014	22/06/2012	



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

CORRECTION LOG

Sample Point/s	Sample Date	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason
	June 2012			29/07/2014	24/07/2012	measured were incorrectly shown as ms/cm, this was corrected to µS/cm
	July 2012			29/07/2014	23/8/2012	
	August 2012			29/07/2014	19/09/2012	
	October 2012			29/07/2014	30/11/2012	
	November 2012			29/07/2014	13/12/2012	
	December 2012			29/07/2014	15/01/2013	
	January 2013			29/07/2014	21/02/2013	
	February 2013			29/07/2014	13/03/2013	
	March 2013			29/07/2014	22/04/2013	
	April 2013			29/07/2014	13/05/2013	
	May 2013			29/07/2014	21/06/2013	
	June 2013			29/07/2014	19/07/2013	
	July 2013			29/07/2014	09/08/2013	
	August 2013			29/07/2014	17/09/2013	
	September 2013			29/07/2014	11/10/2013	
	October 2013			29/07/2014	18/11/2013	
	November 2013			29/07/2014	19/12/2013	
	December 2013			29/07/2014	16/01/2014	
	January 2014			29/07/2014	25/02/2014	
	February 2014			29/07/2014	14/03/2014	
March 2014			29/07/2014	23/04/2014		
April 2014			29/07/2014	22/05/2014		
May 2014			29/07/2014	17/06/2014		
16	October 2012	1 sample	0 samples	29/07/2014	30/11/2012	Number of samples incorrectly listed as one (there were none for the month). There were no monitoring results provided so no change to results was necessary.
	June 2013	1 sample	0 samples	29/07/2014	19/07/2013	
	July 2013	1 sample	0 samples	29/07/2014	09/08/2013	
	September 2013	1 sample	0 samples	29/07/2014	11/10/2013	



ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

CORRECTION LOG

Sample Point/s	Sample Date	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason
N1 and N2	July 2012	2 blasts	1 blast	24/10/12	23/8/12	Number of blasts incorrectly listed as two blasts (only one for the month). Monitoring results provided were correct for the blast so no change to the results.
N1 and N2	March 2014	No monitoring this month	Monitoring that occurred has been added	29/07/2014	23/04/2014	The noise monitoring that occurred in this month was unintentionally excluded from the monitoring summary.



WHITEHAVEN COAL

ROCGLLEN COAL MINE – MONTHLY MONITORING SUMMARY

CORRECTION LOG

Figure 1 – EPL 12870 Monitoring Locations

