

# DRAYTON MONITORING DATA

To the 30<sup>th</sup> November 2014



## DRAYTON MONITORING REPORT NOVEMBER 2014

Drayton Mine (Drayton) is part of Anglo American's Metallurgical Coal business. This report has been compiled to present monthly environmental monitoring data for Drayton. Results are reported in accordance with reporting requirements for Environment Protection Licence (EPL) 1323 held by the licensee Anglo Coal (Drayton Management) Pty Limited. This report complies with Section 66(6) of the *Protection of the Environment Operations Act 1997*.

# COMPLAINTS SUMMARY

November 2014

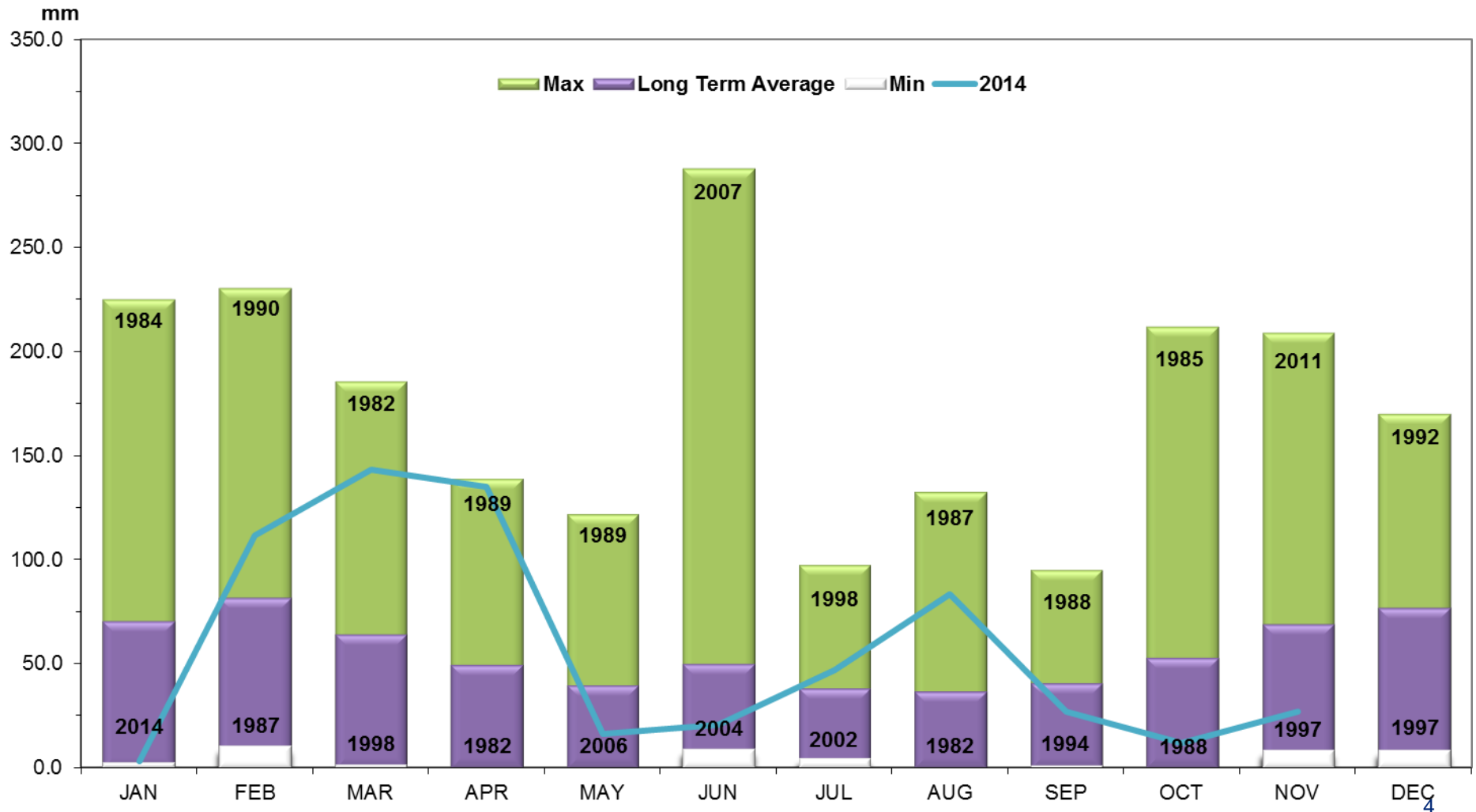
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No complaints received in November 2014.

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Date Published: 15/12/2014

# RAINFALL

Rainfall Pattern and History (1981 - 2014)



# AIR QUALITY MONITORING POINT 1 (EPL 1323)

## Particulates – Deposited Matter (Antiene)

Period	Sample	Insoluble Solids	Annual Mean	Annual Mean Limit	Unit			
Nov-14	2197	5.8	3.1	4	g/m2/month			
Nov-14	2230	3.4	2.6	4	g/m2/month			
Nov-14	2157	3.2	2.1	4	g/m2/month			
Nov-14	2208	3.5	1.8	4	g/m2/month			
Nov-14	2247	3.7	2.1	4	g/m2/month		<b>Number of samples</b>	<b>8</b>
Nov-14	2235	4.2	2.2	4	g/m2/month		<b>Minimum</b>	<b>3.2</b>
Nov-14	2175	3.5	1.9	4	g/m2/month		<b>Mean</b>	<b>4.0</b>
Nov-14	2130	4.4	2.4	4	g/m2/month		<b>Maximum</b>	<b>5.8</b>

Depositional Dust: Particulates – Deposited Matter

Limit not stated on EPL

Date Sampled: 30/11/2014  
 Date Obtained: 10/12/2014  
 Date Published: 15/12/2014

Licensee: Anglo Coal (Drayton Management) Pty Limited  
 EPL 1323  
 Monitoring Frequency: Monthly

# AIR QUALITY MONITORING POINT 2 (EPL 1323)

## Total Suspended Particulates (Lot 22 Antiene) – High Volume Air Sampler (HVAS)

Date	Sample	TSP	Annual Mean	Annual Mean Limit	Unit			
06-Nov-14	Lot 22	99	58	90	µg/m3			
12-Nov-14	Lot 22	78	59	90	µg/m3		<b>Number of samples</b>	<b>5</b>
18-Nov-14	Lot 22	112	60	90	µg/m3		<b>Minimum</b>	<b>78</b>
24-Nov-14	Lot 22	110	61	90	µg/m3		<b>Mean</b>	<b>99</b>
30-Nov-14	Lot 22	95	61	90	µg/m3		<b>Maximum</b>	<b>112</b>

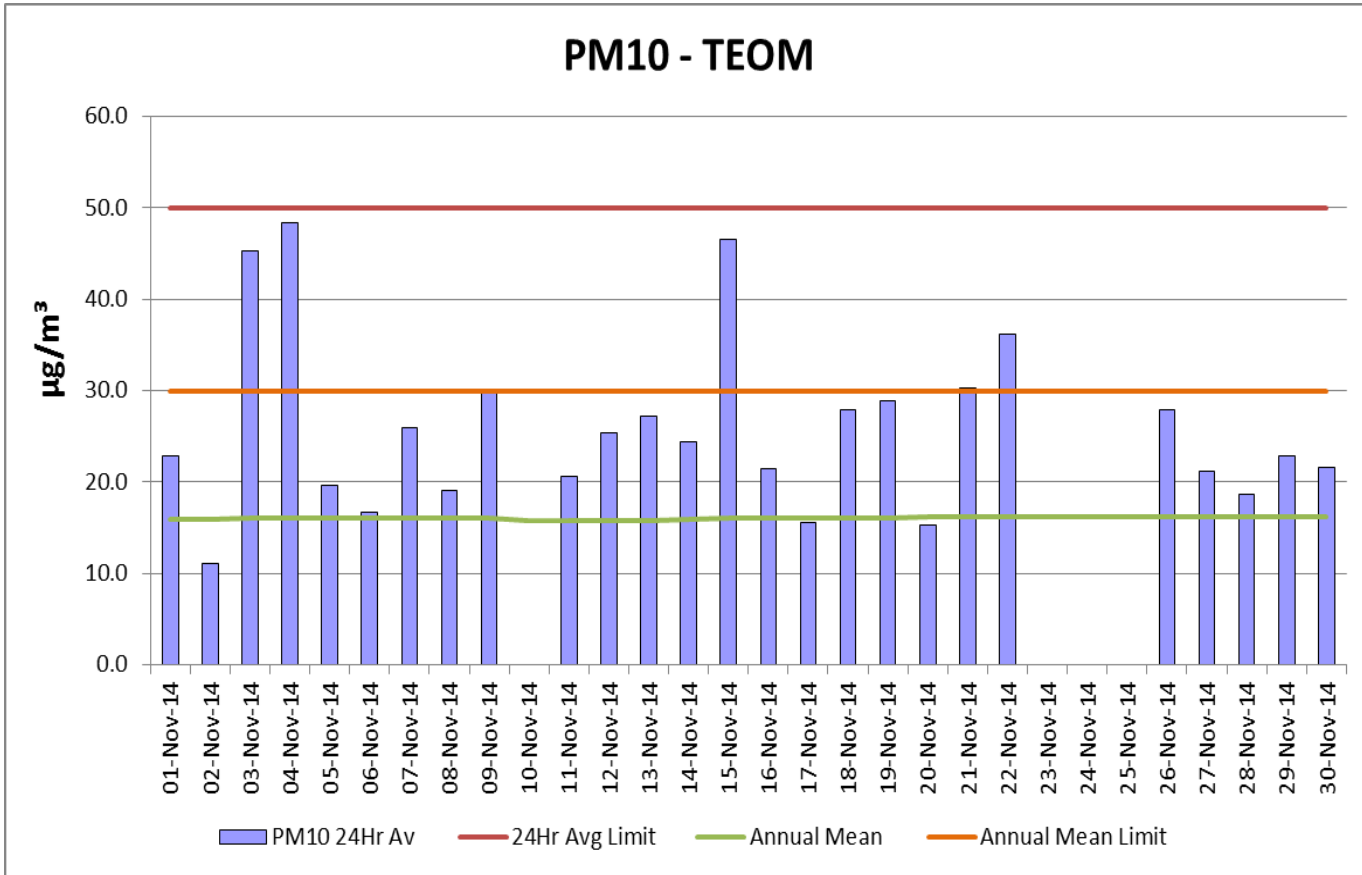
TSP: Total Suspended Particulates

Date Sampled: As listed above  
Date Obtained: 08/12/2014  
Date Published: 15/12/2014

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Monitoring Frequency: Every 6 days

# AIR QUALITY MONITORING POINT 4 (EPL 1323)

PM10 (Lot 9 ANTIENE) – Tapered Element Oscillating Microbalance (TEOM)



<b>Number of samples</b>	<b>30</b>
<b>Minimum</b>	<b>0.0</b>
<b>Mean</b>	<b>22.4</b>
<b>Maximum</b>	<b>48.3</b>

Date Sampled: Daily average  
Date Published: 15/12/2014

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Monitoring Frequency: Continuous

# BLASTING SUMMARY

## Blast overpressure (noise) and vibration

		ANTIENE		DE BOER		SHARMAN	
		Overpressure	Vibration	Overpressure	Vibration	Overpressure	Vibration
Date	Time	dB(L)	mm/sec	dB(L)	mm/sec	dB(L)	mm/sec
3/11/2014	2:31 PM	94.9	0.13	91.8	0.13	85.7	0.16
5/11/2014	1:04 PM	83.5	0.04	86.8	0.10	91.7	0.05
11/11/2014	12:00 AM	99.0	0.11	104.2	0.33	98.1	0.14
12/11/2014	12:00 AM	93.5	0.13	94.0	0.20	87.9	0.18
18/11/2014	2:49 PM	88.7	0.12	96.0	0.23	100.1	0.19
19/11/2014	11:56 AM	81.6	0.02	102.1	0.07	92.5	0.05
19/11/2014	11:56 AM	110.4	0.11	108.4	0.13	100.3	0.08
25/11/2014	1:33 PM	89.3	0.22	95.3	0.38	94.2	0.40
26/11/2014	1:53 PM	98.0	0.02	101.8	0.05	102.5	0.04

<b>Maximum</b>	<b>110.4</b>	<b>0.22</b>	<b>108.4</b>	<b>0.38</b>	<b>102.5</b>	<b>0.40</b>
<b>Minimum</b>	<b>81.6</b>	<b>0.02</b>	<b>86.8</b>	<b>0.05</b>	<b>85.7</b>	<b>0.04</b>
<b>Limit 95%</b>	<b>115</b>	<b>5</b>	<b>115</b>	<b>5</b>	<b>115</b>	<b>5</b>
<b>Limit 100%</b>	<b>120</b>	<b>10</b>	<b>120</b>	<b>10</b>	<b>120</b>	<b>10</b>
<b>Exceedance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Date Sampled: As listed above  
 Date Obtained: Monthly summary  
 Date Published: 15/12/2014

Licensee: Anglo Coal (Drayton Management) Pty Limited  
 EPL 1323  
 Monitoring Frequency: Event



**THANK YOU**