

# DRAYTON MONITORING DATA

To the 28<sup>th</sup> February 2015



## DRAYTON MONITORING REPORT FEBRUARY 2015

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

February 2015

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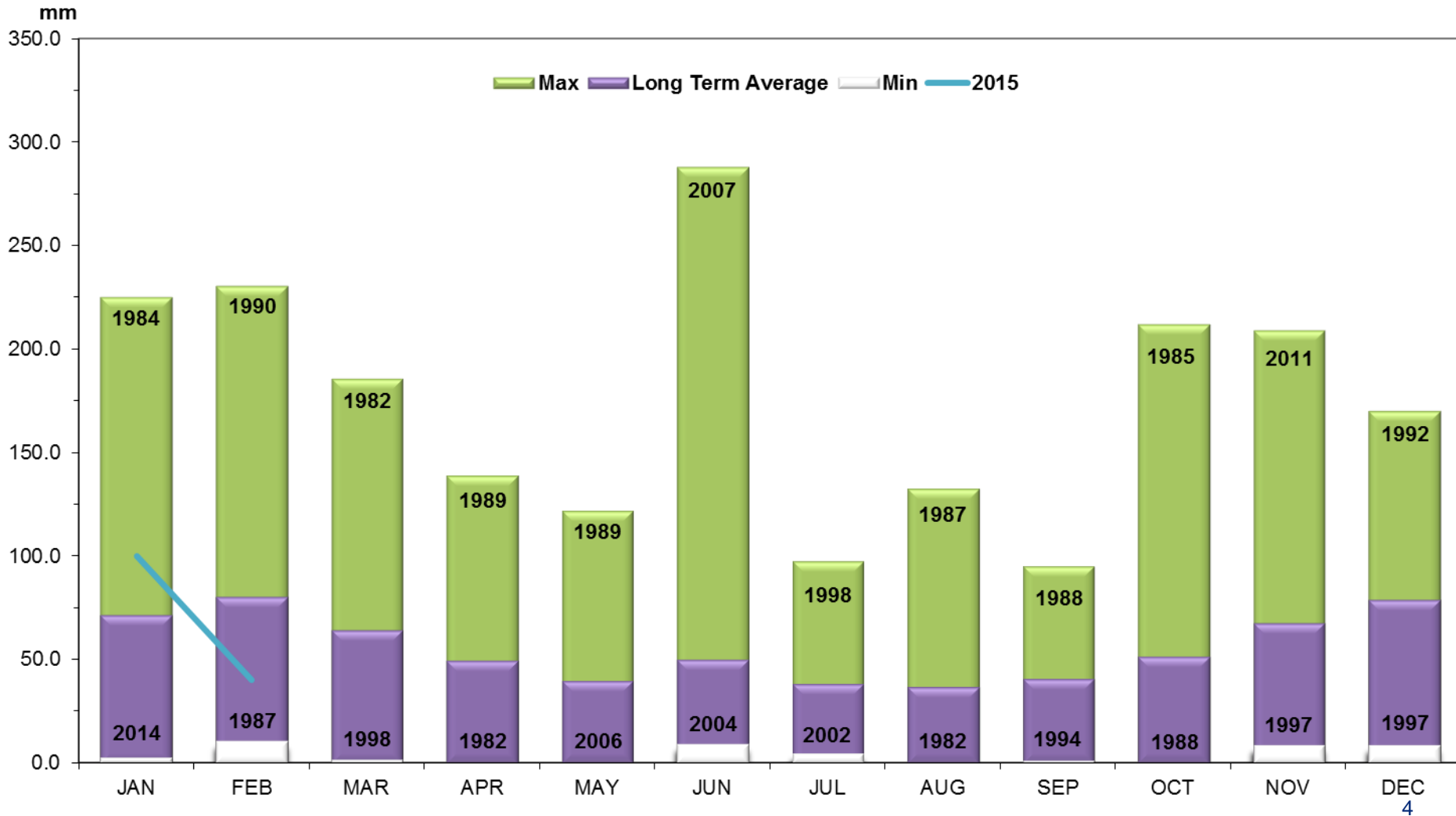
Two complaints received in February 2015, both for blast events. Both blasts were within limits.

- 2/2/15 – Sharman monitor results: 102.3 dbL (limit 120 dbL), 0.97 mm/s (limit 10 mm/s)
- 27/2/15 – Sharman monitor results: 101.3 dbL, 0.51 mm/s

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Date Published: 27/03/2015

# RAINFALL

Rainfall Pattern and History (1981 - 2015)



# AIR QUALITY MONITORING POINT 1 (EPL 1323)

## Particulates – Deposited Matter (Antiene)

Period	Sample	Insoluble Solids	Annual Mean	Annual Mean Limit	Unit			
Feb-15	* 2197	13.4	3.8	4	g/m2/month			
Feb-15	2230	3.3	2.4	4	g/m2/month			
Feb-15	2157	2.4	2.0	4	g/m2/month			
Feb-15	2208	2.3	1.9	4	g/m2/month			
Feb-15	2247	2.6	2.0	4	g/m2/month		<b>Number of samples</b>	<b>8</b>
Feb-15	2235	2.0	2.0	4	g/m2/month		<b>Minimum</b>	<b>2.0</b>
Feb-15	2175	2.2	2.1	4	g/m2/month		<b>Mean</b>	<b>3.9</b>
Feb-15	2130	2.9	2.2	4	g/m2/month		<b>Maximum</b>	<b>13.4</b>

\* High result from site 2197 due to sample contamination.

Depositional Dust: Particulates – Deposited Matter

Limit not stated on EPL

Date Sampled: 27/02/2014  
 Date Obtained: 12/03/2015  
 Date Published: 27/03/2015

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			
04-Feb-14	Lot 22	42	48.33	90	µg/m3			
10-Feb-14	Lot 22	47	48.14	90	µg/m3		<b>Number of samples</b>	<b>5</b>
16-Feb-14	Lot 22	101	54.75	90	µg/m3		<b>Minimum</b>	<b>42</b>
22-Feb-14	Lot 22	42	53.33	90	µg/m3		<b>Mean</b>	<b>58</b>
28-Feb-14	Lot 22	58	53.80	90	µg/m3		<b>Maximum</b>	<b>101</b>

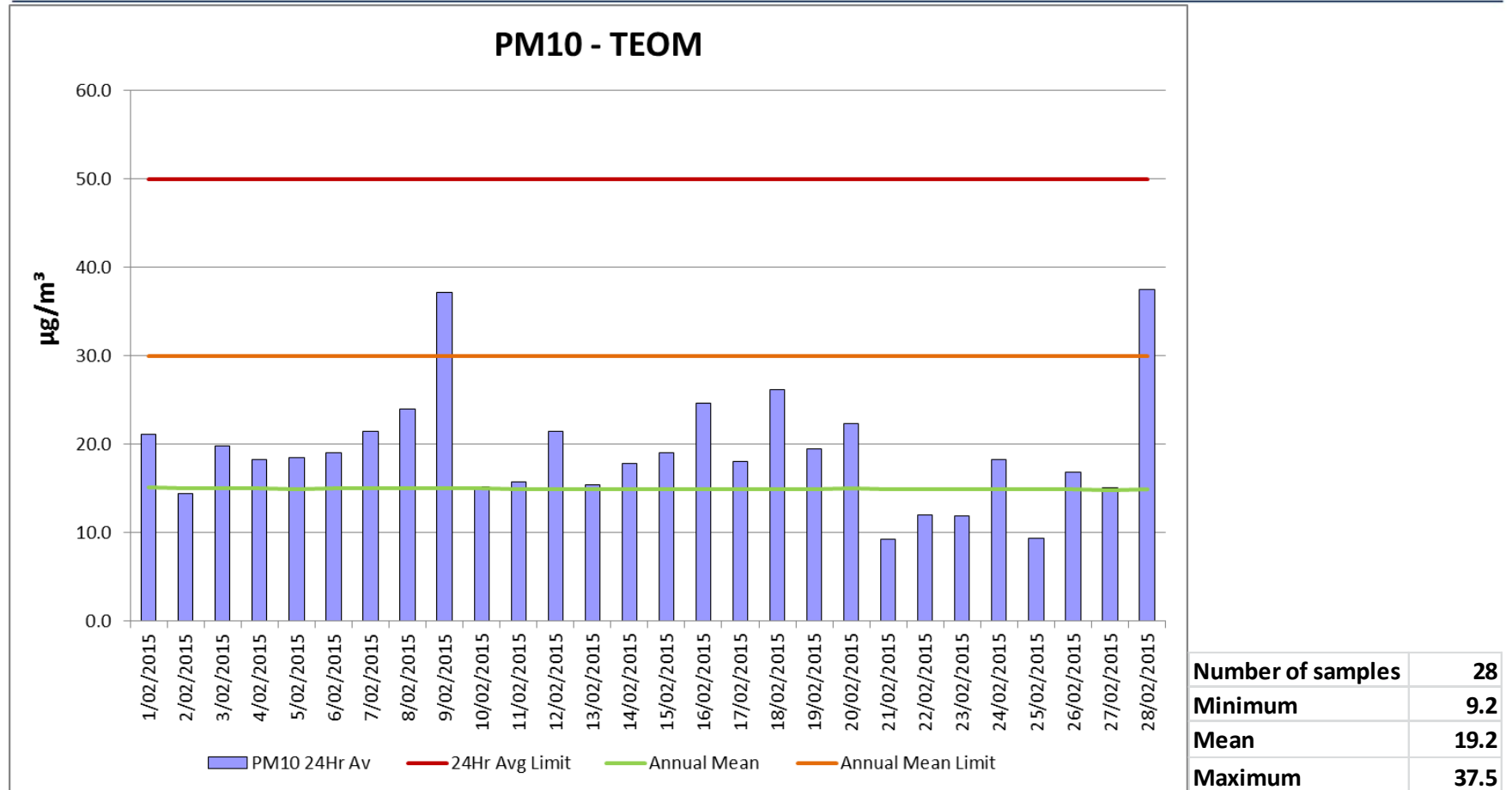
TSP: Total Suspended Particulates

Date Sampled: As listed above  
Date Obtained: 12/03/2015  
Date Published: 27/03/2015

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)



Date Sampled: Daily average  
Date Published: 27/03/2015

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	Overpress	Vibration
Date	Time	dB(L)	mm/sec	dB(L)	mm/sec	dB(L)	mm/sec
2/02/2015	2:04 PM	109.4	0.74	108.5	1.08	102.3	0.97
6/02/2015	1:06 PM	91.9	0.06	91.1	0.17	96.3	0.09
6/02/2015	2:10 PM	85.4	0.00	98.7	0.01	92.6	0.01
10/02/2015	10:22 AM	90.7	0.13	92.2	0.27	88.1	0.13
10/02/2015	10:55 AM	89.4	0.13	90.6	0.14	87.9	0.08
17/02/2015	12:05 PM	87.4	0.04	90.7	0.16	87.3	0.04
19/02/2015	1:06 PM	89.8	0.06	90.0	0.17	91.8	0.04
20/02/2015	1:03 PM	83.9	0.02	91.8	0.06	85.0	0.03
27/02/2015	2:02 PM	97.2	0.34	99.5	0.55	101.3	0.51

<b>Maximum</b>	<b>109.4</b>	<b>0.74</b>	<b>108.5</b>	<b>1.08</b>	<b>102.3</b>	<b>0.97</b>
<b>Minimum</b>	<b>83.9</b>	<b>0.00</b>	<b>90.0</b>	<b>0.01</b>	<b>85.0</b>	<b>0.01</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: 27/03/2015

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



**THANK YOU**