

# **DRAYTON MONITORING DATA**

**To the 31st July 2015**



# DRAYTON MONITORING REPORT JULY 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

July 2015

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Three complaints were received during July 2015.

A complaint was received on 3/7/15 in relation to noise overnight. The source of the noise was unknown as no equipment was known to be operating at the time.

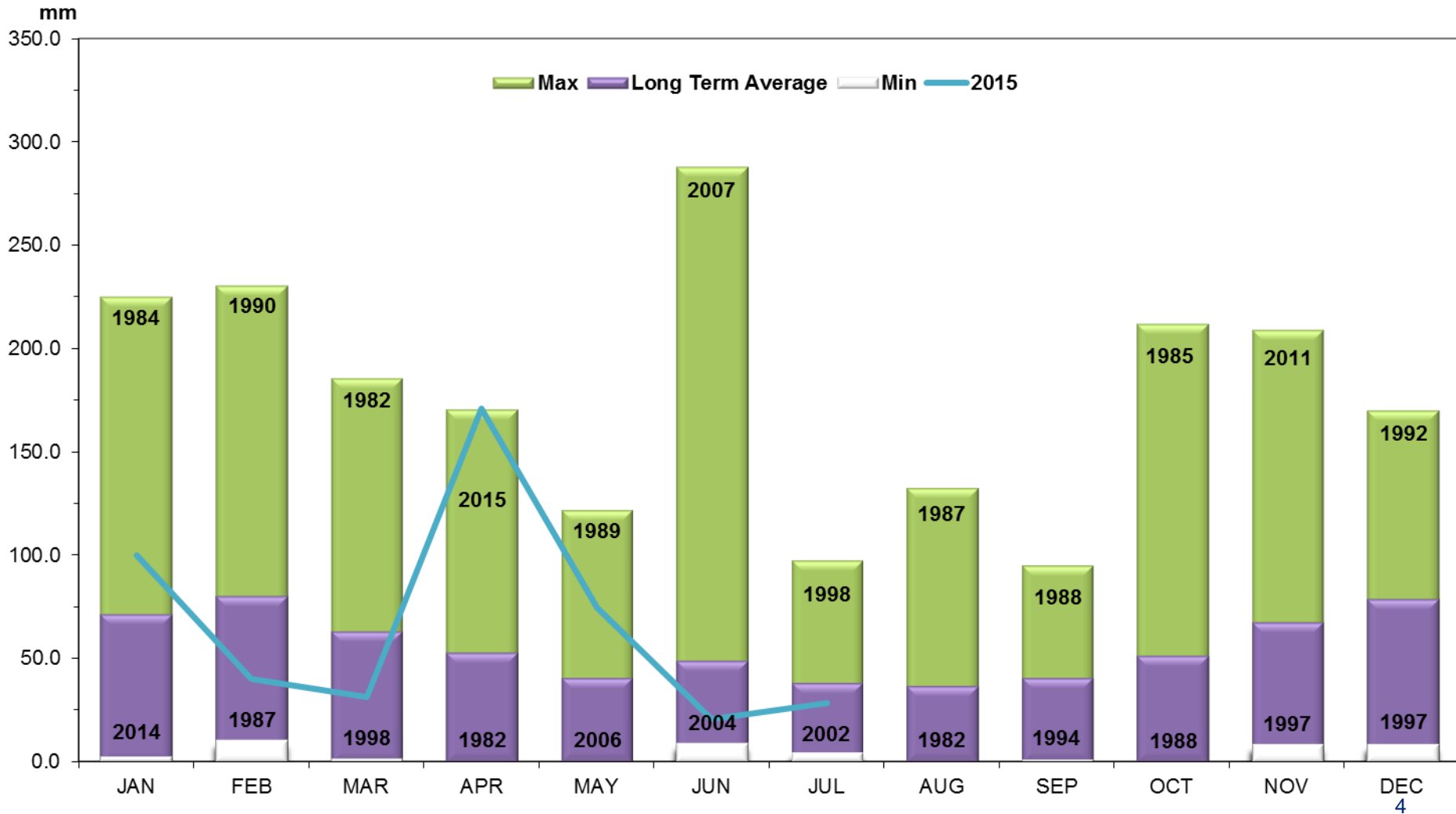
An enquiry was received in relation to several blasts on 3/7/15. Drayton did not blast at any of the times mentioned.

A complaint was received in relation to blast vibration felt on two separate occasions on 3/7/15. Drayton had a blast at one of the times, and this was within compliance limits. Overblast at the Antiene monitor was 100.4 dbL (limit 120 dbL) and vibration 1.65 mm/s (limit 10 mm/s).

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Date Published: 21/08/2015

# 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			
Jul-15	* 2197	2.3	4.1	4	g/m2/month			
Jul-15	2230	2.0	2.5	4	g/m2/month			
Jul-15	2157	1.4	1.9	4	g/m2/month			
Jul-15	2208	1.3	1.8	4	g/m2/month			
Jul-15	2247	1.3	2.0	4	g/m2/month		<b>Number of samples</b>	<b>8</b>
Jul-15	2235	1.3	1.9	4	g/m2/month		<b>Minimum</b>	<b>1.1</b>
Jul-15	2175	1.4	2.0	4	g/m2/month		<b>Mean</b>	<b>1.5</b>
Jul-15	2130	1.1	2.1	4	g/m2/month		<b>Maximum</b>	<b>2.3</b>

\* High mean due to contaminated result in February. Contamination due to insects and broken lid.

Depositional Dust: Particulates – Deposited Matter

Limit not stated on EPL

Date Sampled: 30/07/2015  
 Date Obtained: 12/08/2015  
 Date Published: 21/08/2015

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			
08-Jul-15	Lot 22	33	56	90	µg/m3			
16-Jul-15	Lot 22	18	56	90	µg/m3		<b>Number of samples</b>	<b>6</b>
21-Jul-15	Lot 22	16	55	90	µg/m3		<b>Minimum</b>	<b>16</b>
22-Jul-15	Lot 22	49	56	90	µg/m3		<b>Mean</b>	<b>33</b>
24-Jul-15	Lot 22	29	56	90	µg/m3		<b>Maximum</b>	<b>54</b>
28-Jul-15	Lot 22	54	57	90	µg/m3			
30-Jul-15	Lot 22	9	57	90	µg/m3			

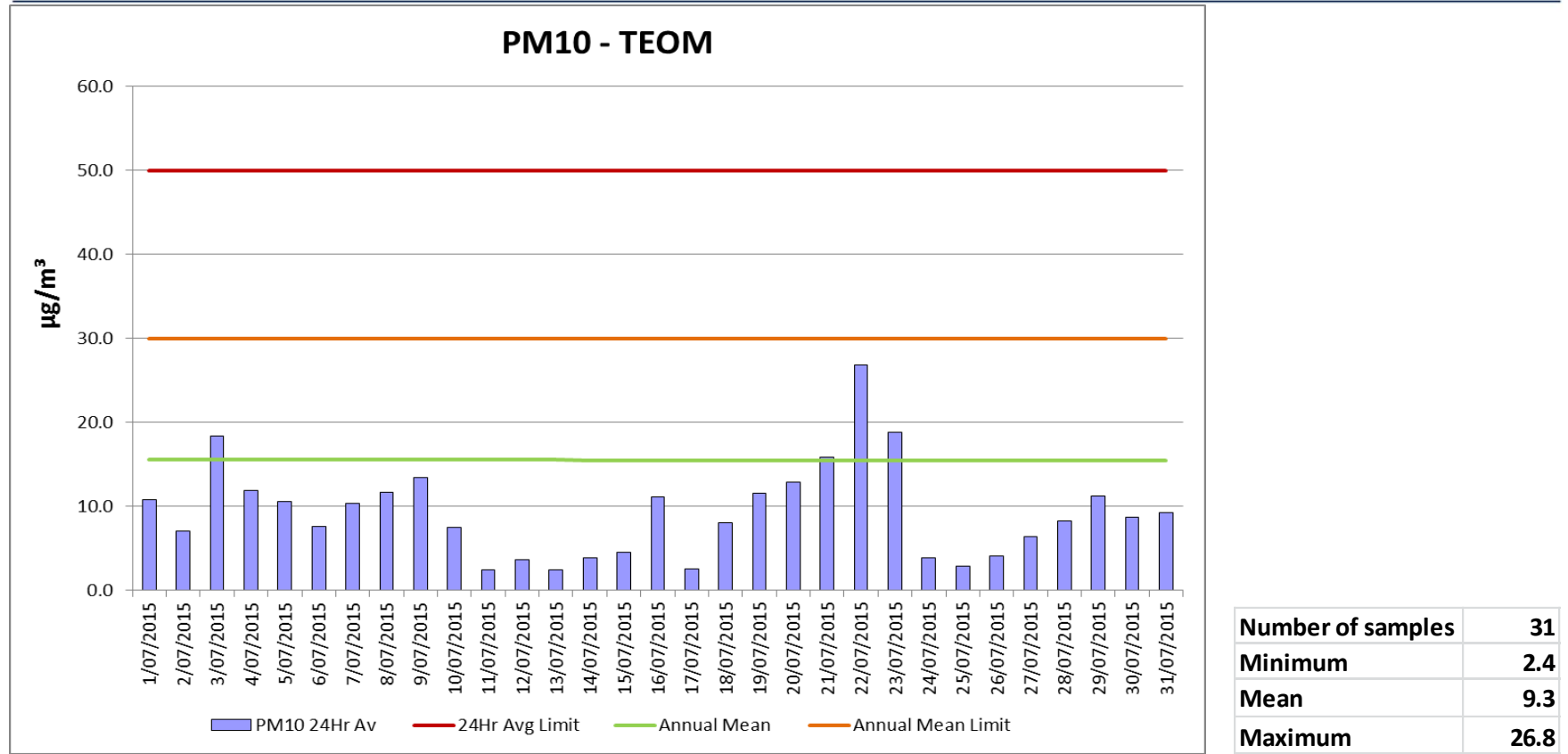
TSP: Total Suspended Particulates

Date Sampled: As listed above  
 Date Obtained: 18/08/2015  
 Date Published: 21/08/2015

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: 21/08/2015

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

# BLASTING SUMMARY

## Blast overpressure (noise) and vibration

		SHARMAN		ANTIENE		DE BOER	
		Overpressure	Vibration	Overpressure	Vibration	Overpressure	Vibration
Date	Time	dB(L)	mm/sec	dB(L)	mm/sec	dB(L)	mm/sec
1/07/2015	2:01 PM	99.1	0.13	87.8	0.16	93.3	0.27
3/07/2015	2:04 PM	97.3	0.70	100.4	1.65	99.7	0.99
7/07/2015	2:02 PM	95.0	0.06	97.5	0.05	98.6	0.13
15/07/2015	11:07 AM	94.3	0.04	82.3	0.05	88.7	0.06
17/07/2015	2:00 PM	100.0	0.42	93.7	1.22	97.2	0.64
21/07/2015	12:06 PM	93.4	0.06	89.2	0.05	92.4	0.13

<b>Maximum</b>	<b>100.0</b>	<b>0.70</b>	<b>100.4</b>	<b>1.65</b>	<b>99.7</b>	<b>0.99</b>
<b>Minimum</b>	<b>93.4</b>	<b>0.04</b>	<b>82.3</b>	<b>0.05</b>	<b>88.7</b>	<b>0.06</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: 21/08/2015

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



**THANK YOU**