

# **DRAYTON MONITORING DATA**

**To the 31<sup>st</sup> October 2015**



# DRAYTON MONITORING REPORT OCTOBER 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

October 2015

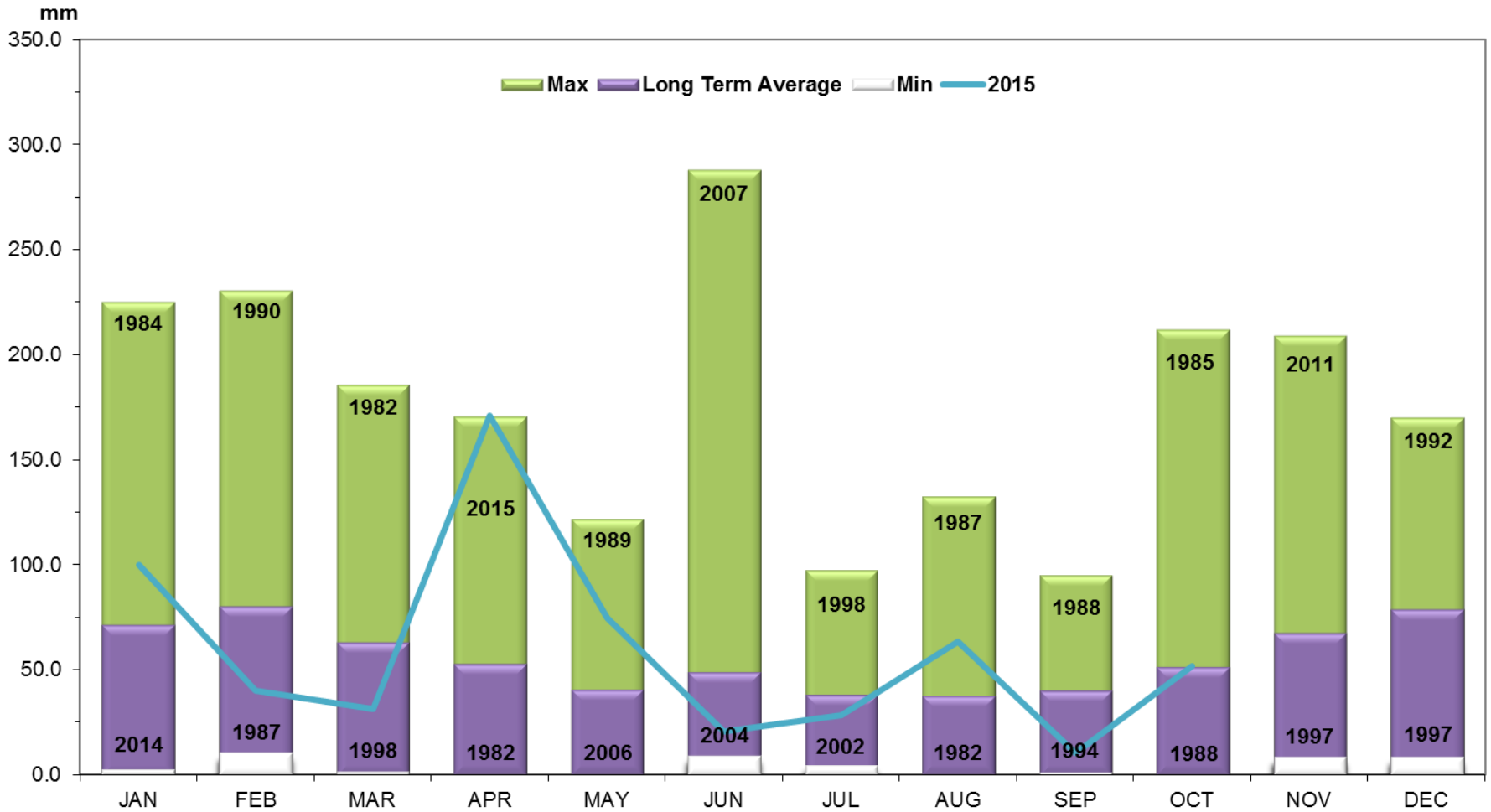
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No complaints were received during October 2015.

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Date Published: 20/11/2015

# 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
Oct-15	2197	5.9	3.8	4	g/m2/month
Oct-15	2230	3.2	2.1	4	g/m2/month
Oct-15	2157	2.2	1.7	4	g/m2/month
Oct-15	2208	1.6	1.6	4	g/m2/month
Oct-15	2247	2.3	1.7	4	g/m2/month
Oct-15	2235	1.1	1.5	4	g/m2/month
Oct-15	2175	1.9	1.8	4	g/m2/month
Oct-15	2130	2.2	1.7	4	g/m2/month

<b>Number of samples</b>	<b>8</b>
<b>Minimum</b>	<b>1.1</b>
<b>Mean</b>	<b>2.6</b>
<b>Maximum</b>	<b>5.9</b>

Depositional Dust: Particulates – Deposited Matter

Limit not stated on EPL

Date Sampled: 31/10/2015  
Date Obtained: 16/11/2015  
Date Published: 20/11/2015

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			
02-Oct-15	Lot 22	89	51	90	µg/m3			
08-Oct-15	Lot 22	71	51	90	µg/m3		<b>Number of samples</b>	<b>5</b>
14-Oct-15	Lot 22	62	52	90	µg/m3		<b>Minimum</b>	<b>39</b>
20-Oct-15	Lot 22	69	51	90	µg/m3		<b>Mean</b>	<b>66</b>
26-Oct-15	Lot 22	39	50	90	µg/m3		<b>Maximum</b>	<b>89</b>

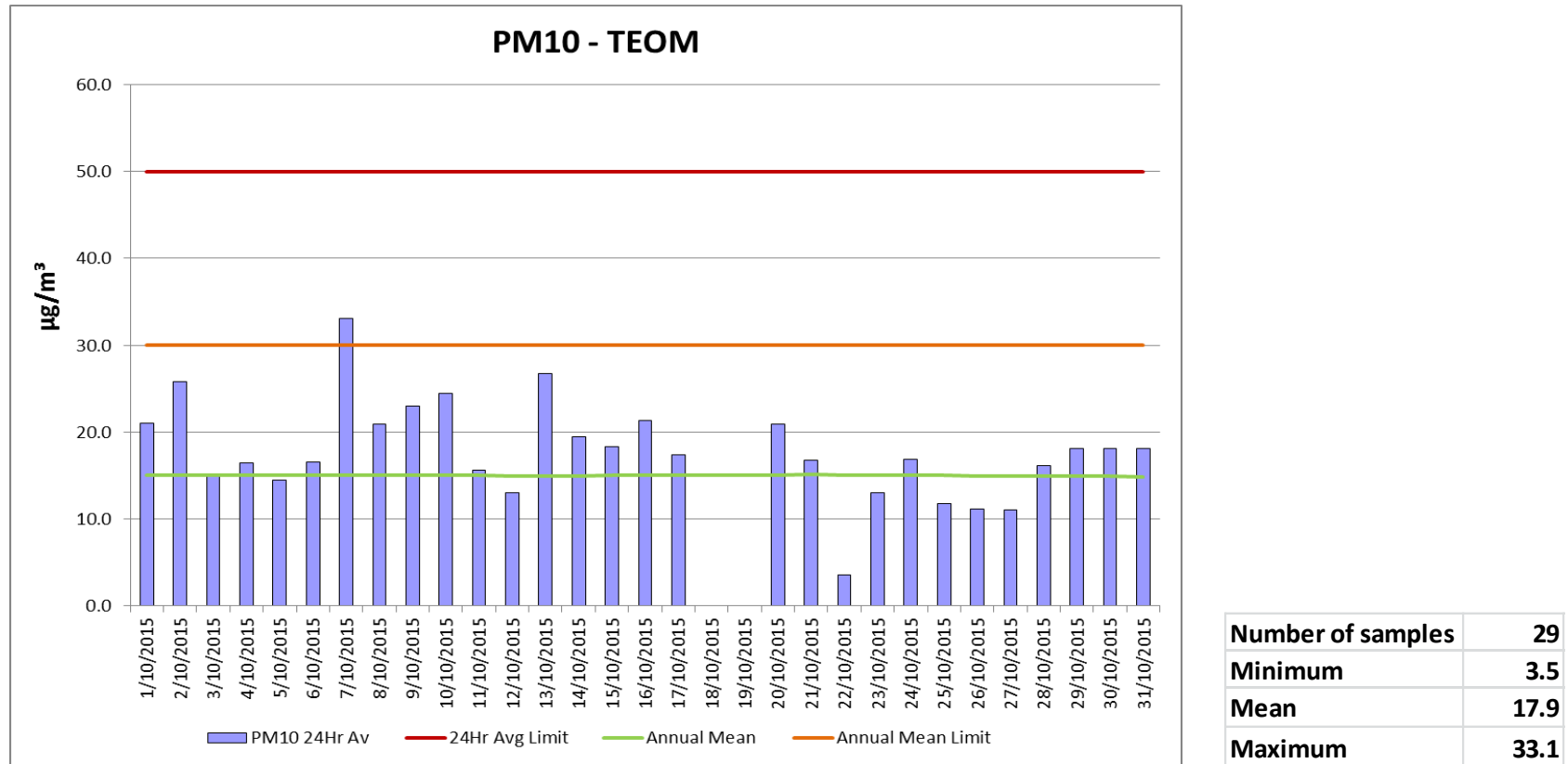
TSP: Total Suspended Particulates

Date Sampled: As listed above  
Date Obtained: 16/11/2015  
Date Published: 20/11/2015

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: 20/11/2015

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

PM10: Particulate matter less than 10 microns diameter  
Power failure caused loss of data on 18<sup>th</sup> and 19<sup>th</sup> October 2015

# 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
3/10/2015	3:10 PM	91.7	0.09	90.4	0.08	93.7	0.25
6/10/2015	3:30 PM	86.9	0.03	92.7	0.03	96.1	0.07
8/10/2015	3:00 PM	99.2	0.11	95.2	0.11	100.8	0.13
9/10/2015	2:02 PM	91.0	0.10	94.6	0.45	93.4	0.18
15/10/2015	3:06 PM	98.9	0.11	96.8	0.09	99.5	0.16
16/10/2015	3:30 PM	90.9	0.04	95.9	0.04	95.9	0.09
20/10/2015	2:10 PM	94.4	0.10	101.1	0.50	97.2	0.19
20/10/2015	3:00 PM	89.4	0.16	87.5	0.11	93.0	0.13
30/10/2015	3:30 PM	97.5	0.14	91.2	0.06	94.6	0.18

<b>Maximum</b>	<b>99.2</b>	<b>0.16</b>	<b>101.1</b>	<b>0.50</b>	<b>100.8</b>	<b>0.25</b>
<b>Minimum</b>	<b>86.9</b>	<b>0.03</b>	<b>87.5</b>	<b>0.03</b>	<b>93.0</b>	<b>0.07</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: 20/11/2015

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



**THANK YOU**