

# **DRAYTON MONITORING DATA**

To the 30<sup>th</sup> September 2016



# DRAYTON MONITORING REPORT SEPTEMBER 2016

- Drayton Mine (Drayton) is part of Anglo American's 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

September 2016

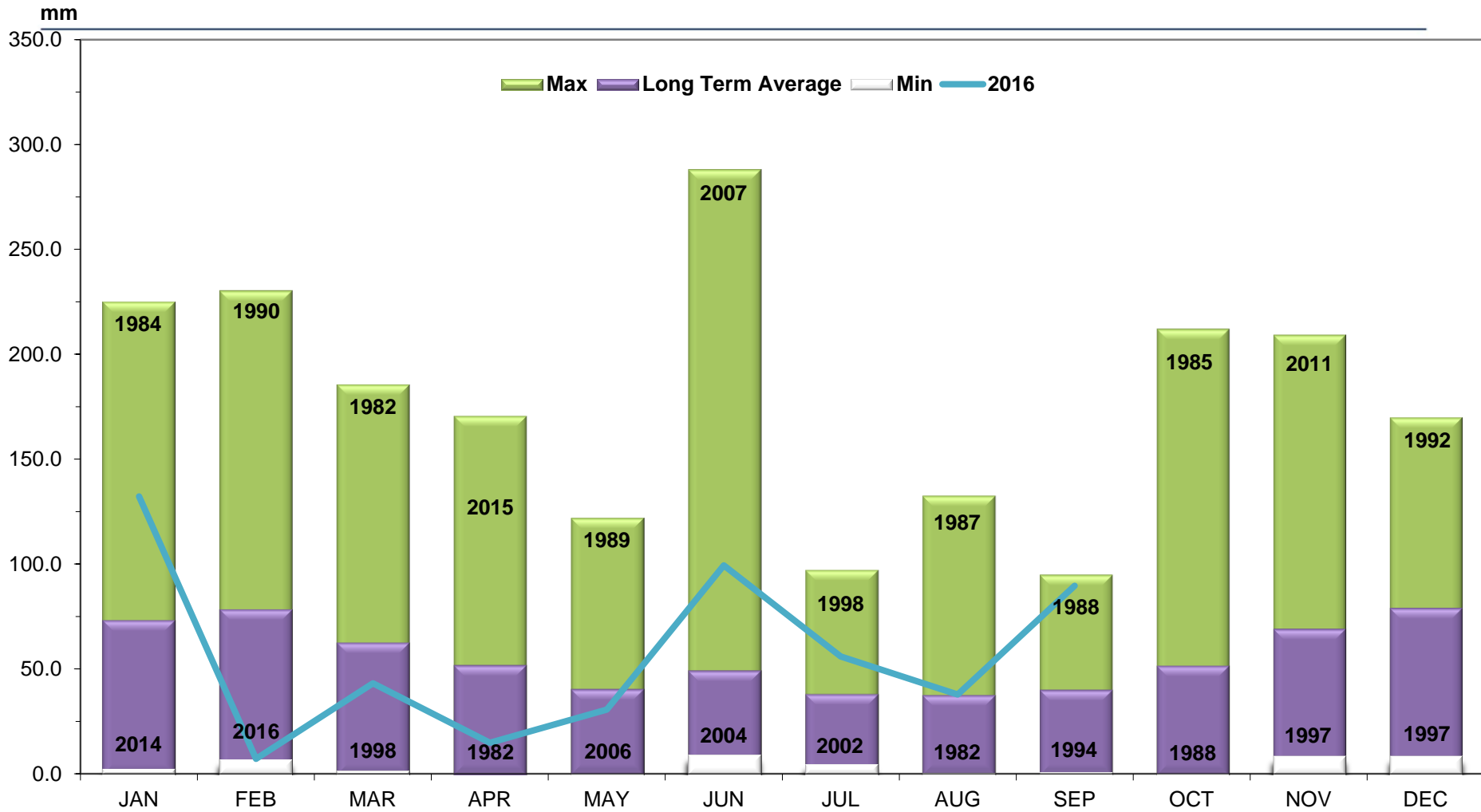
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No complaints were received during September 2016

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Date Published: 31/10/2016

# RAINFALL

## Rainfall Pattern and History (1981 - 2016)



# AIR QUALITY MONITORING POINT 1 (EPL 1323)

## Particulates – Deposited Matter (Antiene)

Period	Sample	Insoluble Solids	Annual Mean	Annual Mean Limit	Unit
Sep-16	2197	1.9	3.3	4	g/m2/month
Sep-16	2230	1.2	1.9	4	g/m2/month
Sep-16	2157	1.2	2.0	4	g/m2/month
Sep-16	2208	1.0	1.4	4	g/m2/month
Sep-16	2247	1.2	1.7	4	g/m2/month
Sep-16	2235	1.1	1.8	4	g/m2/month
Sep-16	2175	0.9	1.8	4	g/m2/month
Sep-16	2130	1.3	2.0	4	g/m2/month

<b>Number of samples</b>	<b>8</b>
<b>Minimum</b>	<b>0.9</b>
<b>Mean</b>	<b>1.2</b>
<b>Maximum</b>	<b>1.9</b>

Depositional Dust: Particulates – Deposited Matter

Limit not stated on EPL

Date Sampled: 29/10/2016  
Date Obtained: 17/10/2016  
Date Published: 31/10/2016

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)

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Date	Sample	TSP	Annual Mean	Annual Mean Limit	Unit
02-Sep-16	Lot 22	21	50	90	µg/m3
08-Sep-16	Lot 22	91	49	90	µg/m3
14-Sep-16	Lot 22	8	49	90	µg/m3
20-Sep-16	Lot 22	40	49	90	µg/m3
26-Sep-16	Lot 22	51	49	90	µg/m3

<b>Number of samples</b>	<b>5</b>
<b>Minimum</b>	<b>8</b>
<b>Mean</b>	<b>42</b>
<b>Maximum</b>	<b>91</b>

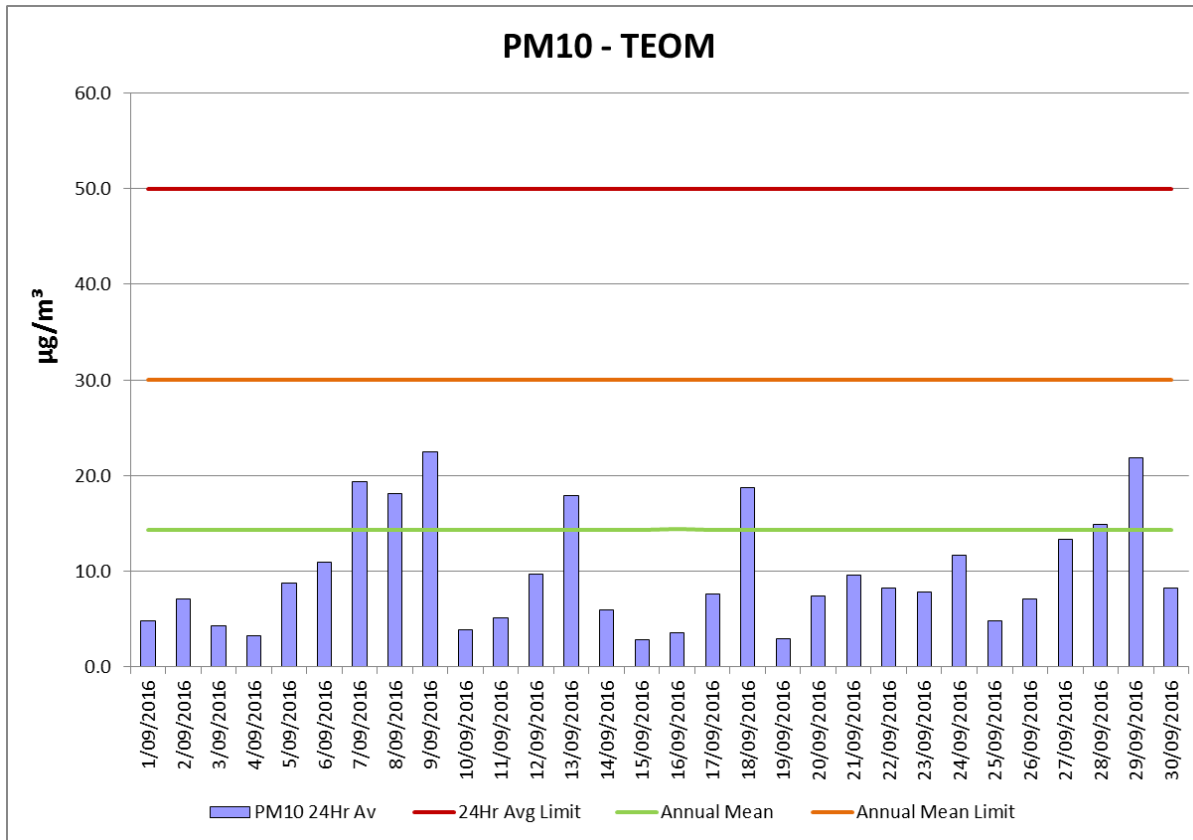
TSP: Total Suspended Particulates

Date Sampled: As listed above  
Date Obtained: 17/10/2016  
Date Published: 31/10/2016

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)



Number of samples	30
Minimum	2.9
Mean	9.7
Maximum	22.5

Date Sampled: Daily average  
Date Published: 31/10/2016

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

PM10: Particulate matter less than 10 microns diameter

# 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
7/09/2016	2:09 PM	104.8	0.16	109.8	0.09	104.6	0.21
19/09/2016	2:08 PM	100.3	0.18	95.3	0.12	93.3	0.35

<b>Maximum</b>	<b>104.8</b>	<b>0.18</b>	<b>109.8</b>	<b>0.12</b>	<b>104.6</b>	<b>0.35</b>
<b>Minimum</b>	<b>100.3</b>	<b>0.16</b>	<b>95.3</b>	<b>0.09</b>	<b>93.3</b>	<b>0.21</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: 31/10/2016

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



**THANK YOU**