

# **DRAYTON MONITORING DATA**

**To the 30<sup>th</sup> April 2016**



# DRAYTON MONITORING REPORT APRIL 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

April 2016

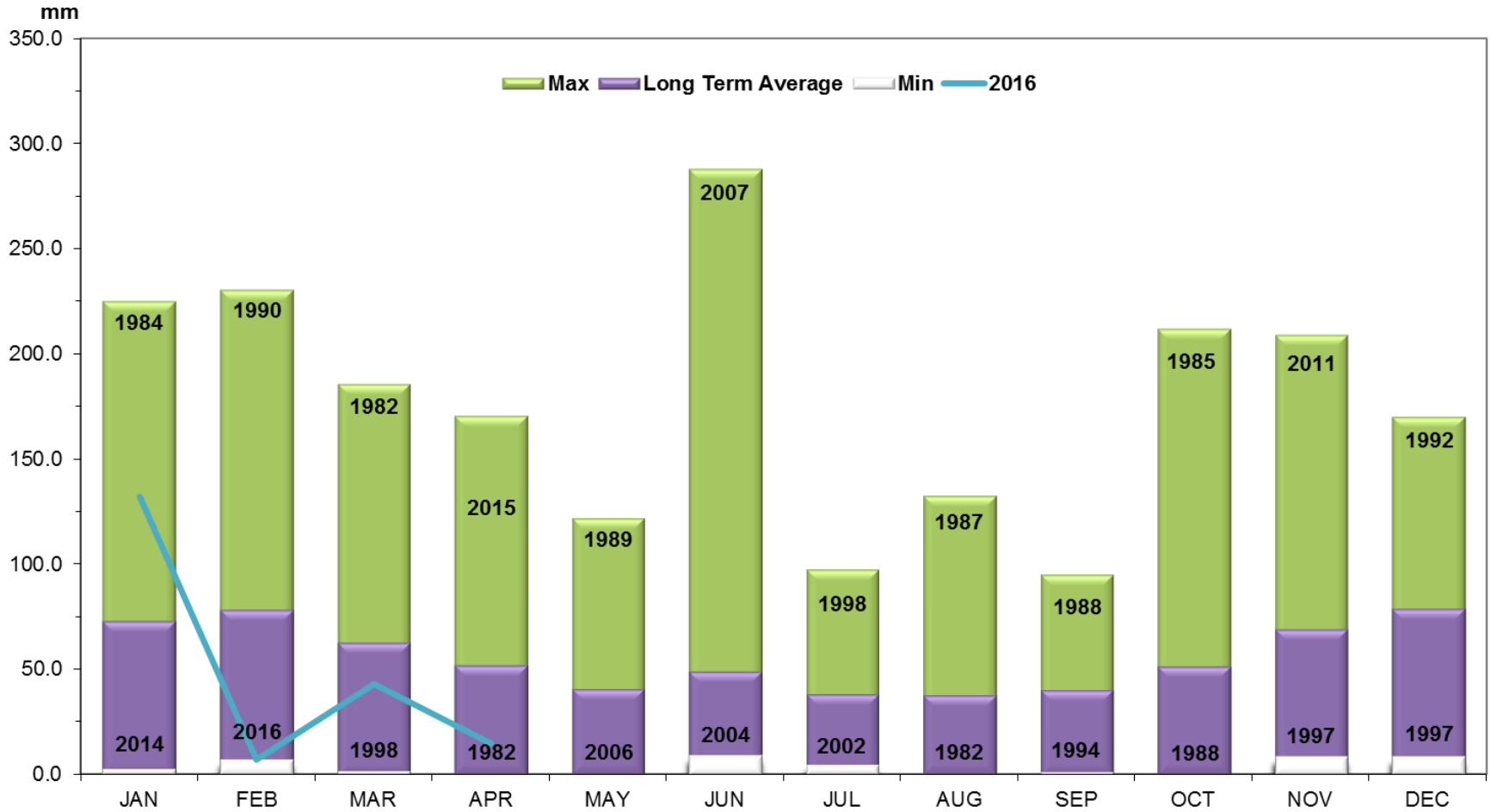
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One complaint was received during April 2016 in regard to a fire started by contractors conducting rail maintenance work (track grinding).

Licensee: Anglo Coal (Drayton Management) Pty Limited  
EPL 1323  
Date Published: 24/05/2016

# RAINFALL

Rainfall Pattern and History (1981 - 2016)



# AIR QUALITY MONITORING POINT 1 (EPL 1323)

## Particulates – Deposited Matter (Antiene)

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Period	Sample	Insoluble Solids	Annual Mean	Annual Mean Limit	Unit
Apr-16	2197	4.8	3.6	4	g/m2/month
Apr-16	2230	2.8	2.0	4	g/m2/month
Apr-16	2157	4.2	2.0	4	g/m2/month
Apr-16	2208	2.0	1.3	4	g/m2/month
Apr-16	2247	2.0	1.6	4	g/m2/month
Apr-16	2235	2.2	1.7	4	g/m2/month
Apr-16	2175	2.2	1.7	4	g/m2/month
Apr-16	2130	2.6	1.9	4	g/m2/month

<b>Number of samples</b>	<b>8</b>
<b>Minimum</b>	<b>2.0</b>
<b>Mean</b>	<b>2.9</b>
<b>Maximum</b>	<b>4.8</b>

Depositional Dust: Particulates – Deposited Matter

Limit not stated on EPL

Date Sampled: 29/04/2016  
Date Obtained: 10/05/2016  
Date Published: 24/05/2016

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
05-Apr-16	Lot 22	63	48	90	µg/m <sup>3</sup>
11-Apr-16	Lot 22	74	49	90	µg/m <sup>3</sup>
17-Apr-16	Lot 22	87	48	90	µg/m <sup>3</sup>
23-Apr-16	Lot 22	48	49	90	µg/m <sup>3</sup>
29-Apr-16	Lot 22	59	49	90	µg/m <sup>3</sup>

<b>Number of samples</b>	<b>5</b>
<b>Minimum</b>	<b>48</b>
<b>Mean</b>	<b>66</b>
<b>Maximum</b>	<b>87</b>

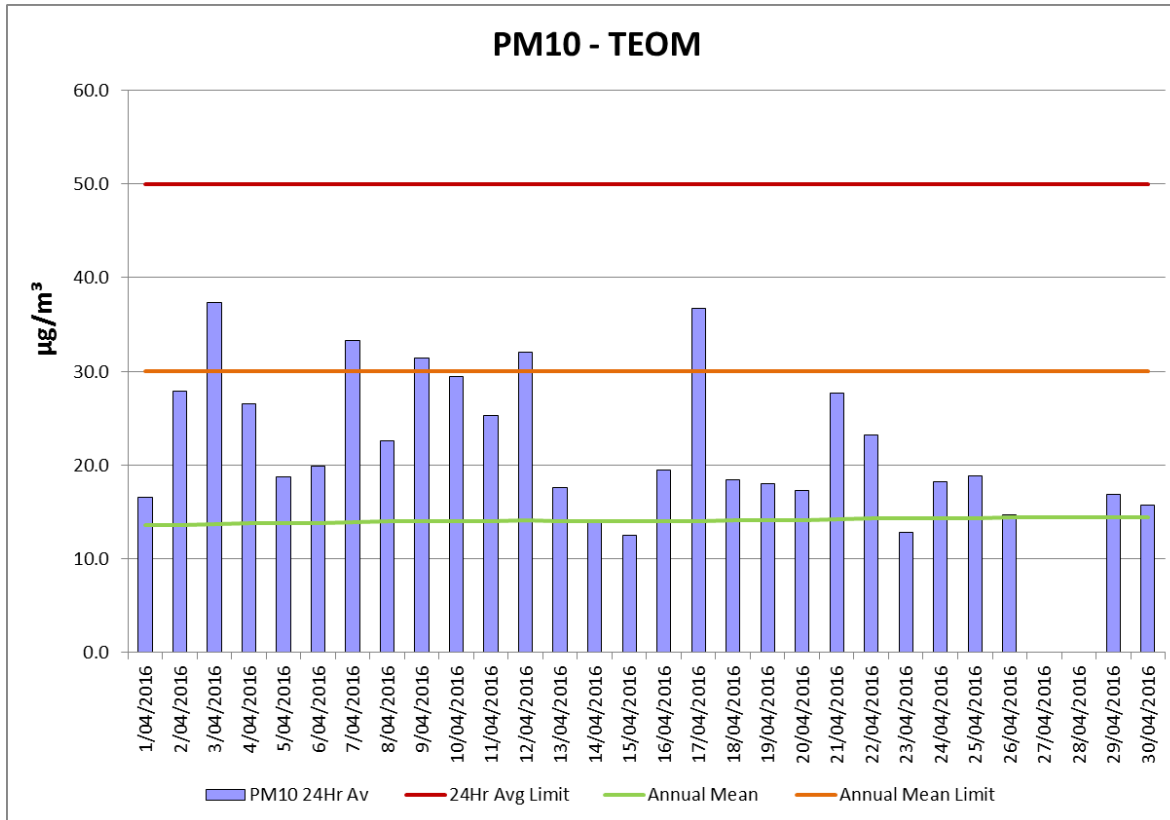
TSP: Total Suspended Particulates

Date Sampled: As listed above  
Date Obtained: 16/05/2016  
Date Published: 24/05/2016

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)



<b>Number of samples</b>	<b>28</b>
<b>Minimum</b>	<b>12.5</b>
<b>Mean</b>	<b>22.2</b>
<b>Maximum</b>	<b>37.4</b>

Date Sampled: Daily average  
Date Published: 24/05/2016

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

No records on 27<sup>th</sup> and 28<sup>th</sup> April due to equipment failure  
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
1/04/2016	2:06 PM	92.4	0.21	98.4	0.38	94.9	0.43
5/04/2016	2:14 PM	87.1	0.23	95.4	0.11	86.0	0.21
6/04/2016	12:08 PM	101.6	0.07	97.3	0.06	101.6	0.09
8/04/2016	12:34 PM	94.1	0.16	100.4	0.09	93.1	0.21
15/04/2016	2:01 PM	90.6	0.07	96.2	0.52	93.4	0.12
19/04/2016	2:06 PM	80.9	0.11	83.0	0.67	76.5	0.32
26/04/2016	2:01 PM	82.4	0.04	85.9	0.04	93.4	0.13
29/04/2016	2:04 PM	101.0	0.33	97.1	0.19	99.5	0.20

<b>Maximum</b>	<b>101.6</b>	<b>0.33</b>	<b>100.4</b>	<b>0.67</b>	<b>101.6</b>	<b>0.43</b>
<b>Minimum</b>	<b>80.9</b>	<b>0.04</b>	<b>83.0</b>	<b>0.04</b>	<b>76.5</b>	<b>0.09</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: 24/05/2016

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



**THANK YOU**