

Environmental Monitoring Data (September – October 2010)

This monitoring data is provided for your perusal prior to the meeting. We will discuss any exceedances or elevated results since the last meeting or by exception only.

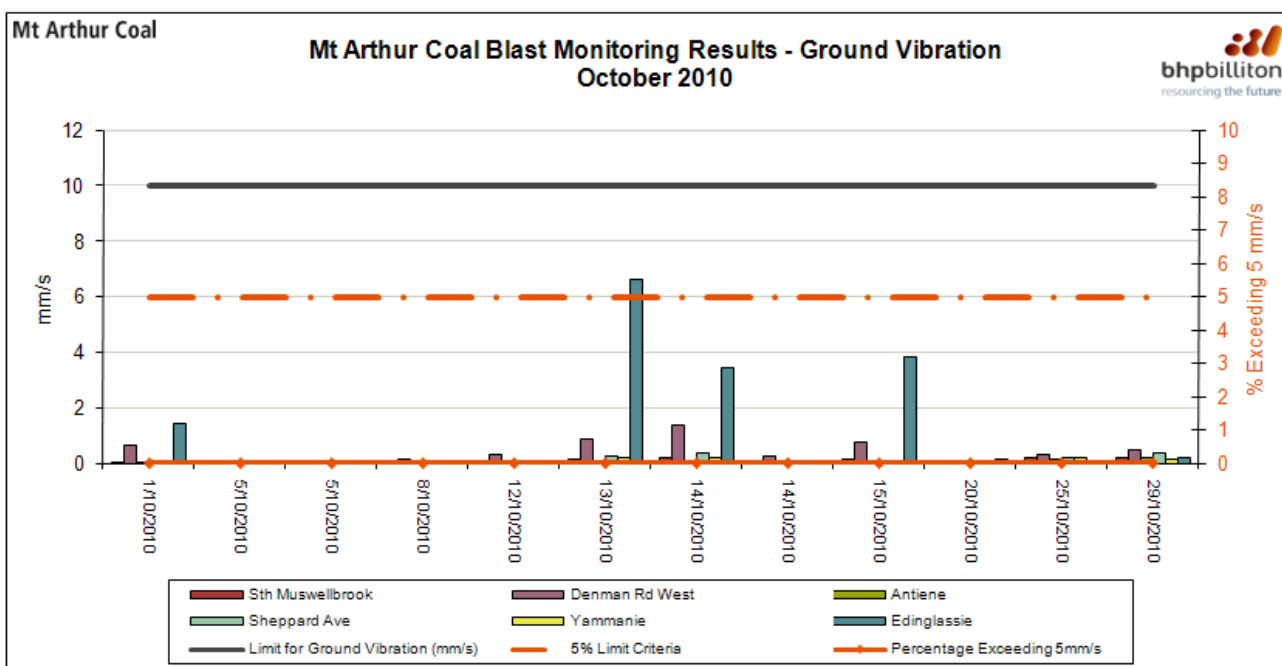
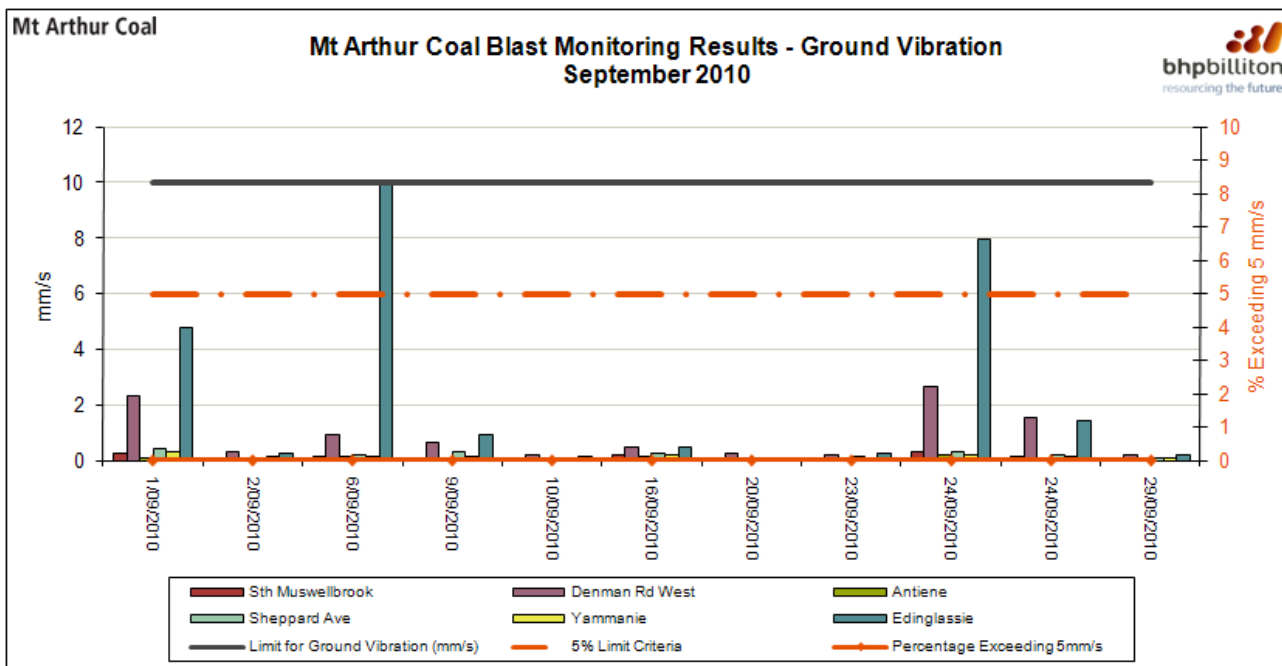
1. Blasting Data (September – October 2010)

Ground Vibration Limit	10 mm/sec
Ground Vibration 5% Limit	5 mm/sec
Overpressure Limit	120 dBL
Overpressure 5% Limit	115dBL

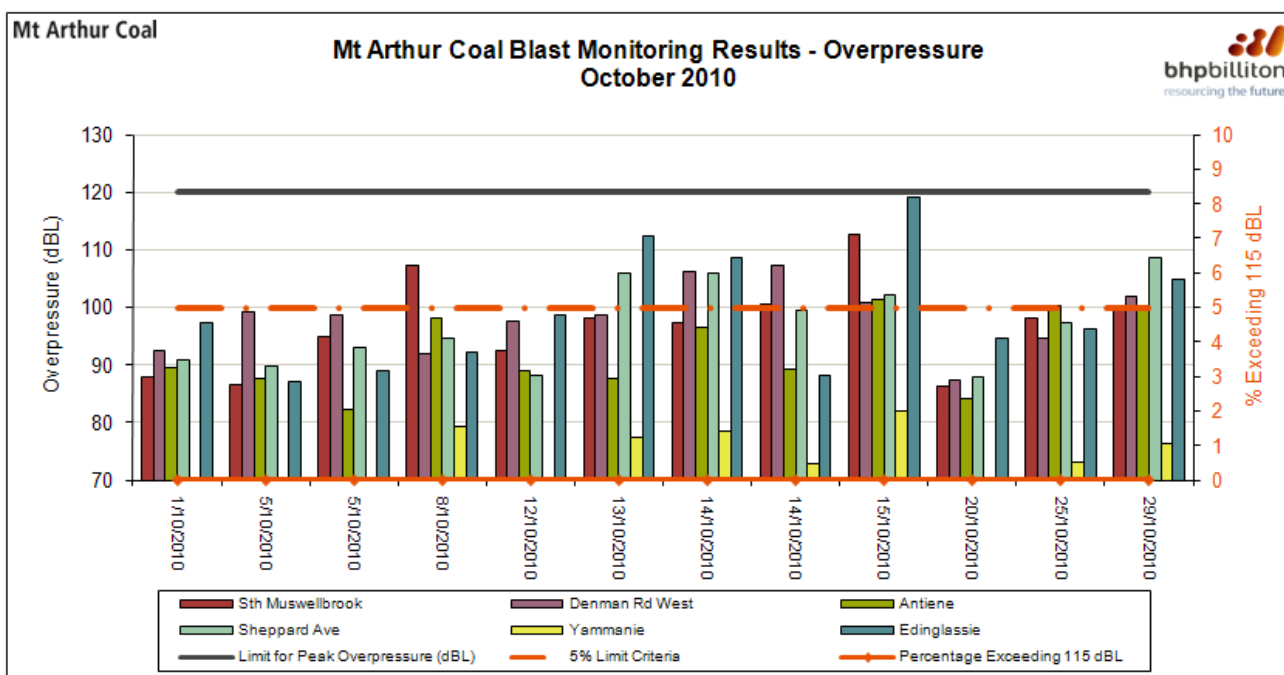
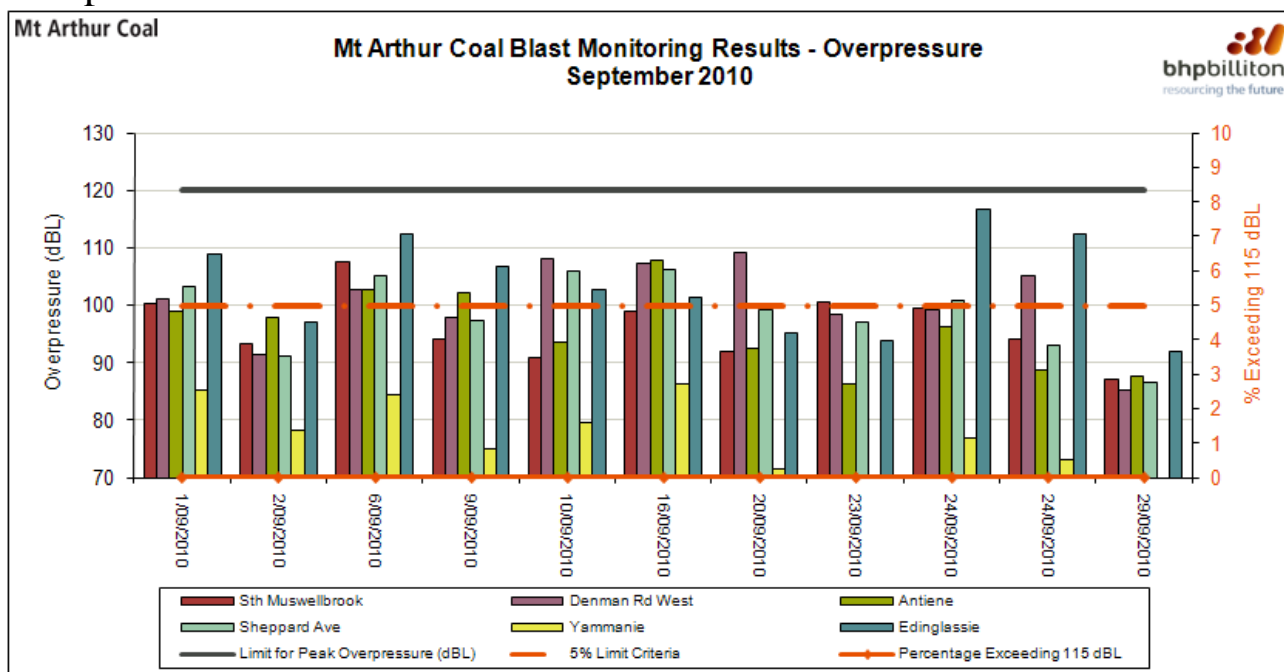
“The airblast overpressure level from blasting operations in or on the premises must not exceed:
(a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period;
and
(b) 120 dB (Lin Peak) at any time.

The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:
(a) 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period; and
(b) 10 mm/s at any time”

Ground Vibration

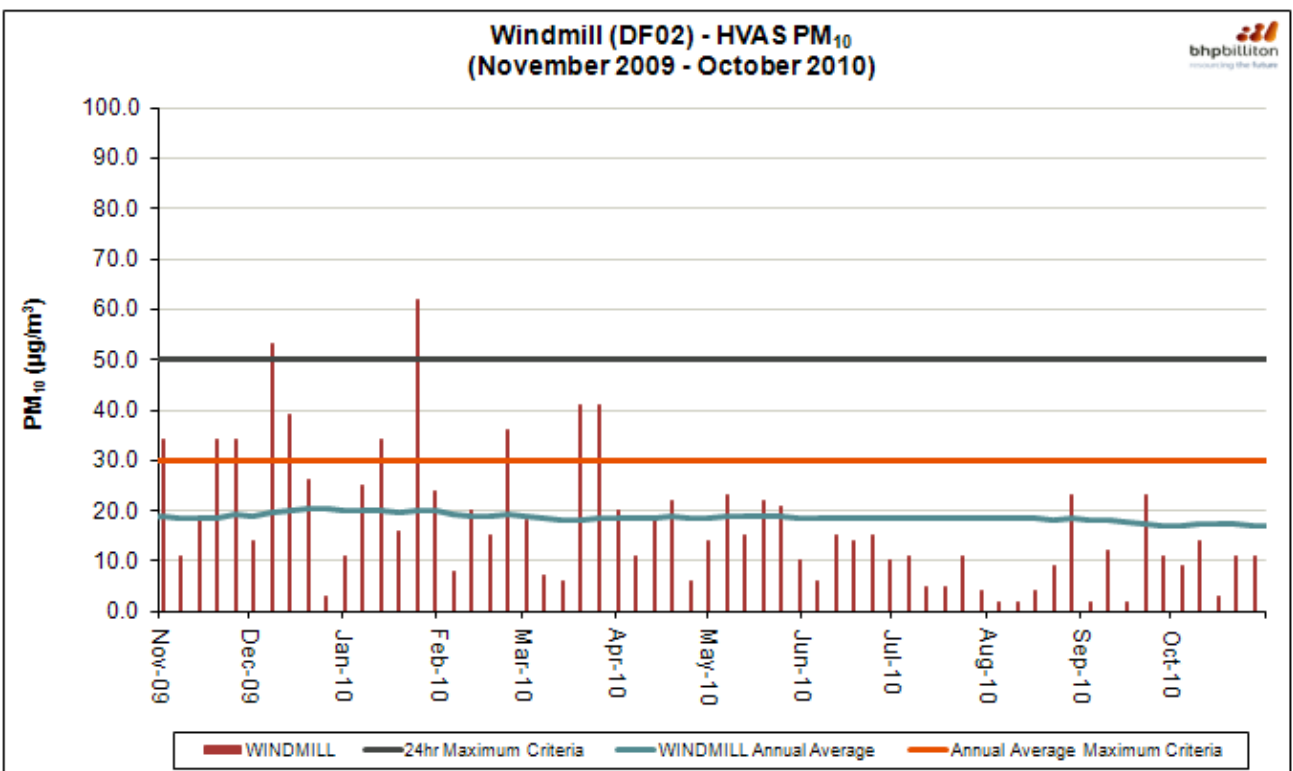
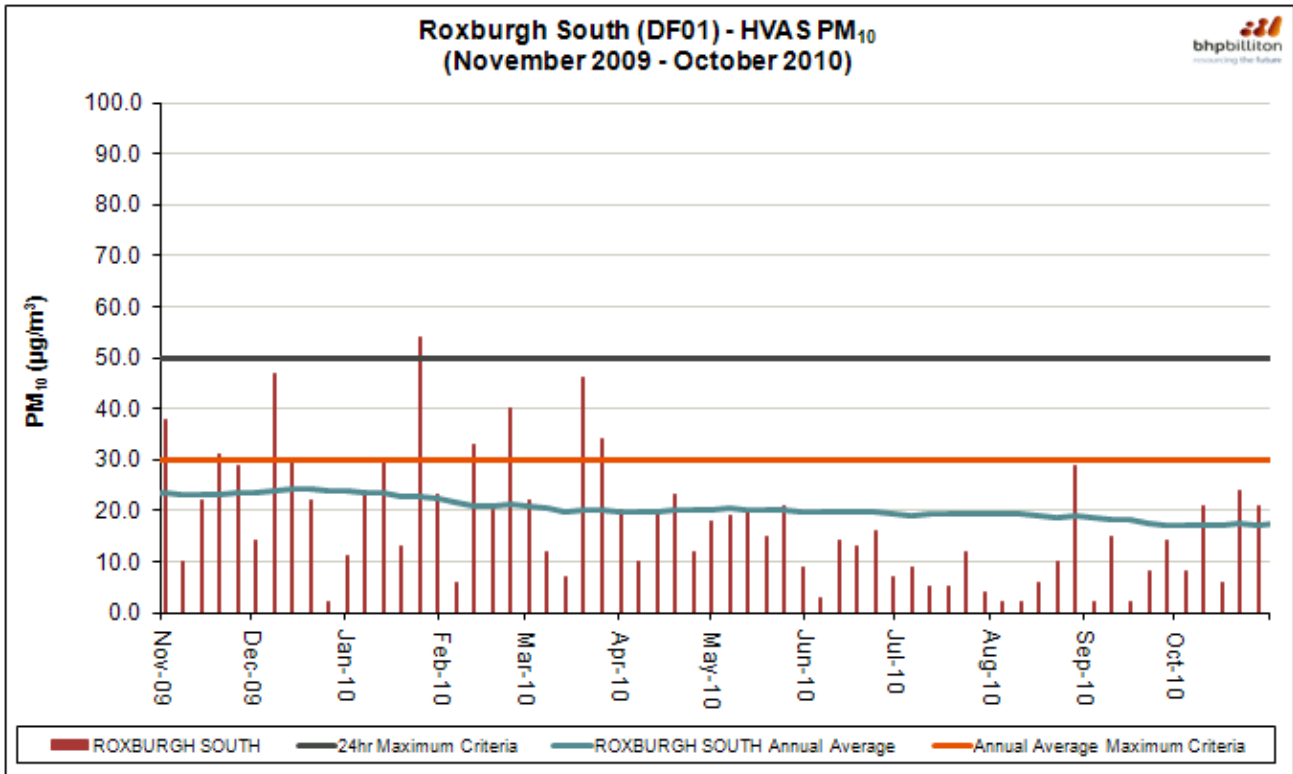


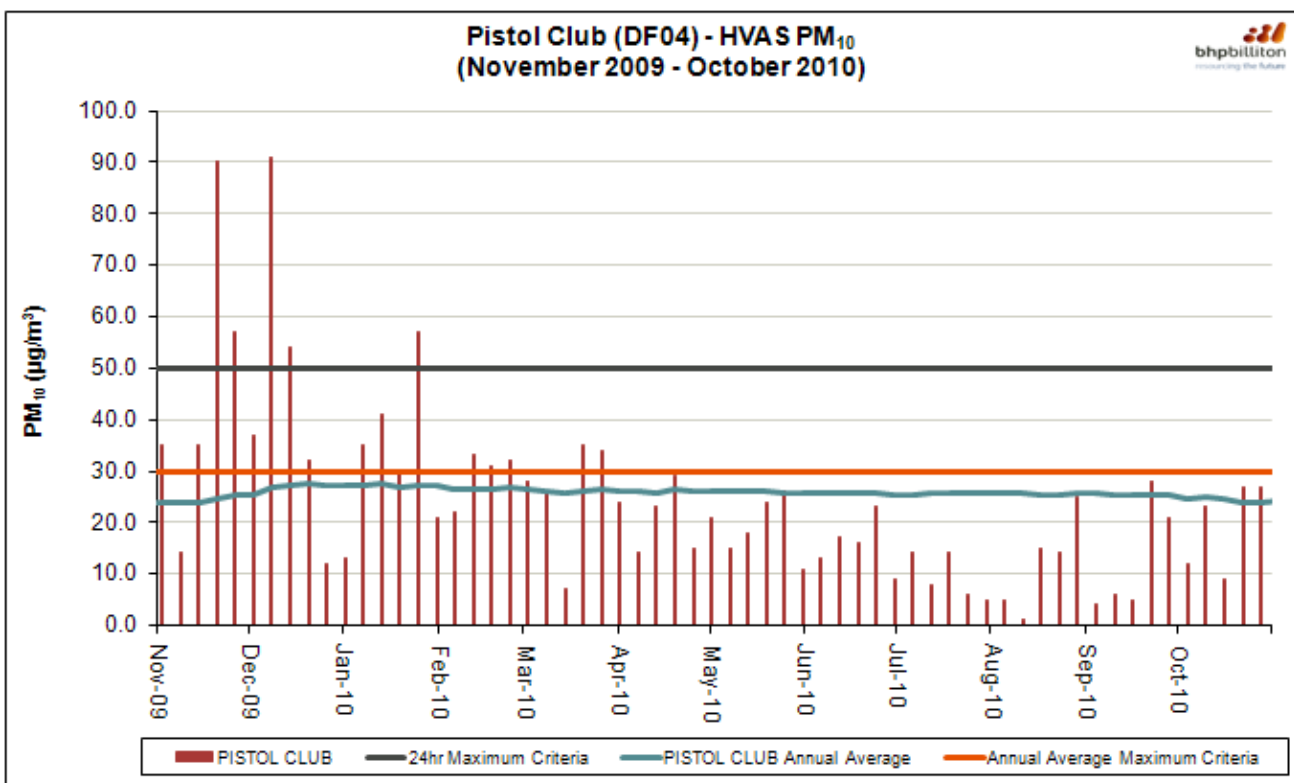
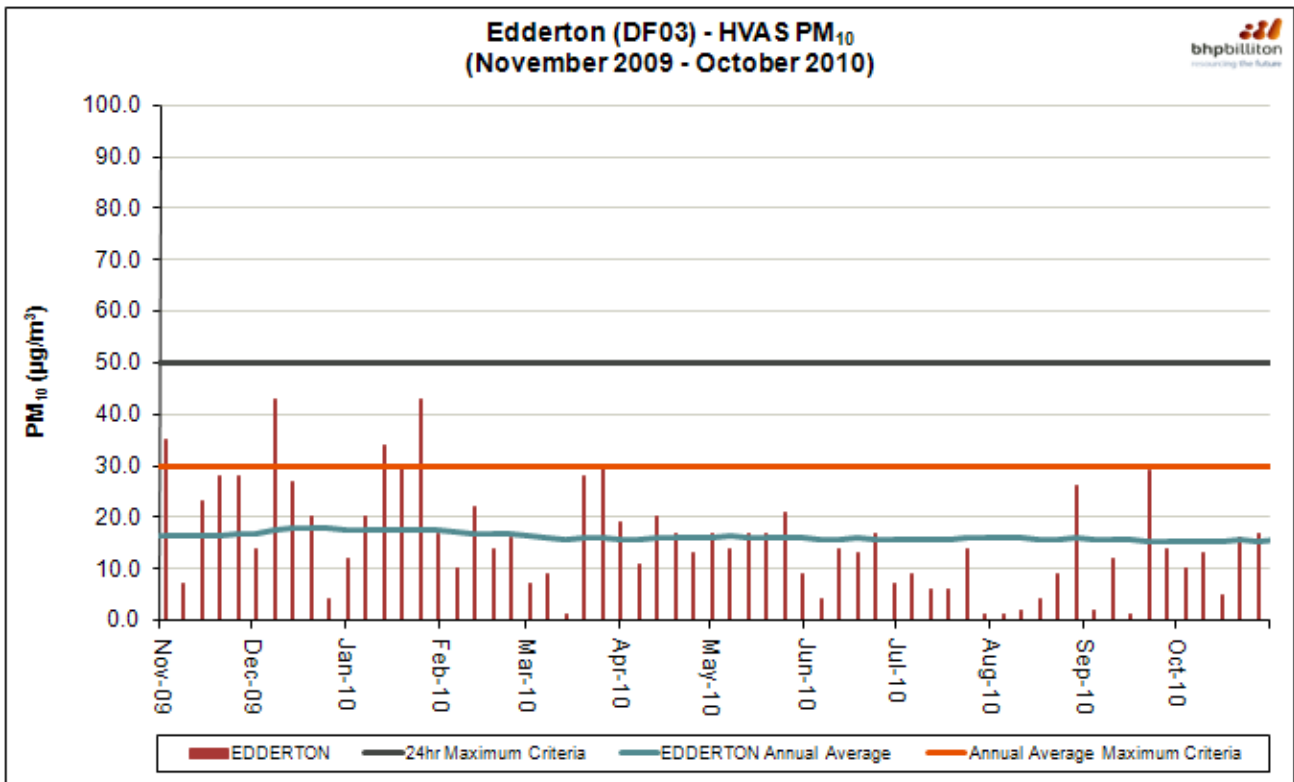
Overpressure

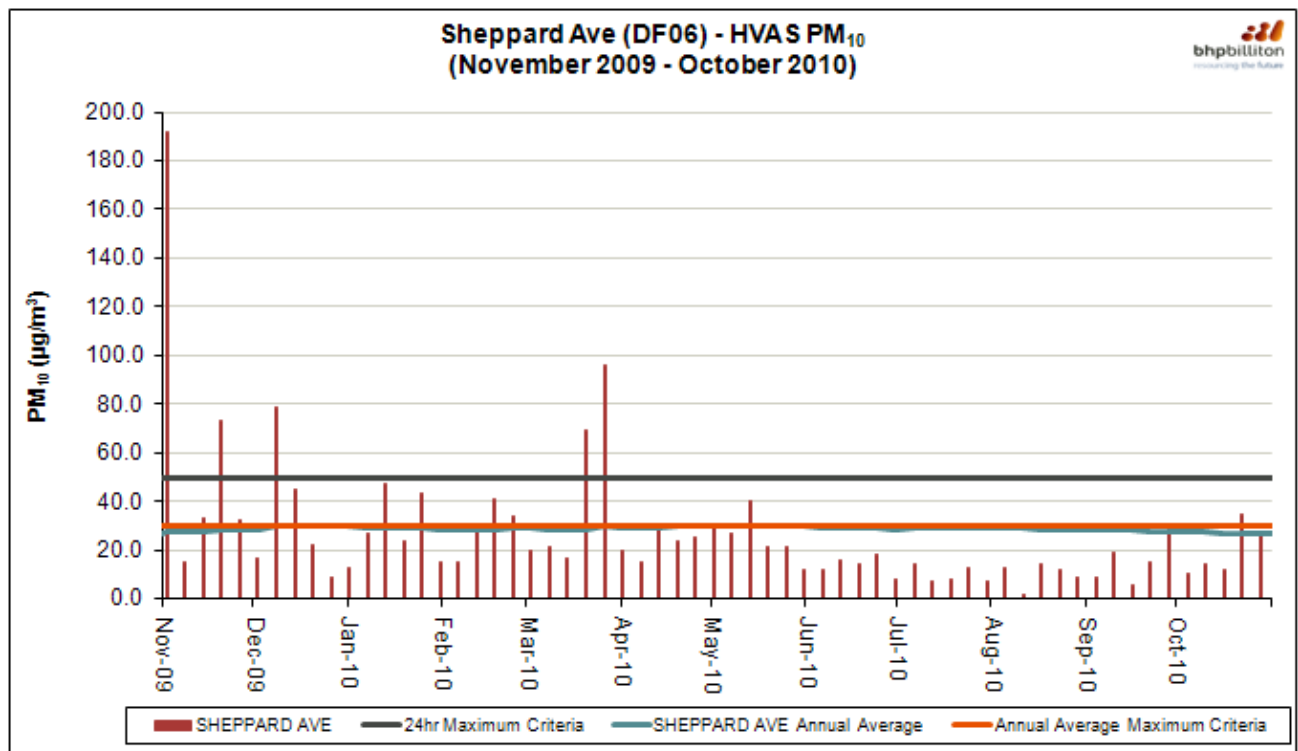
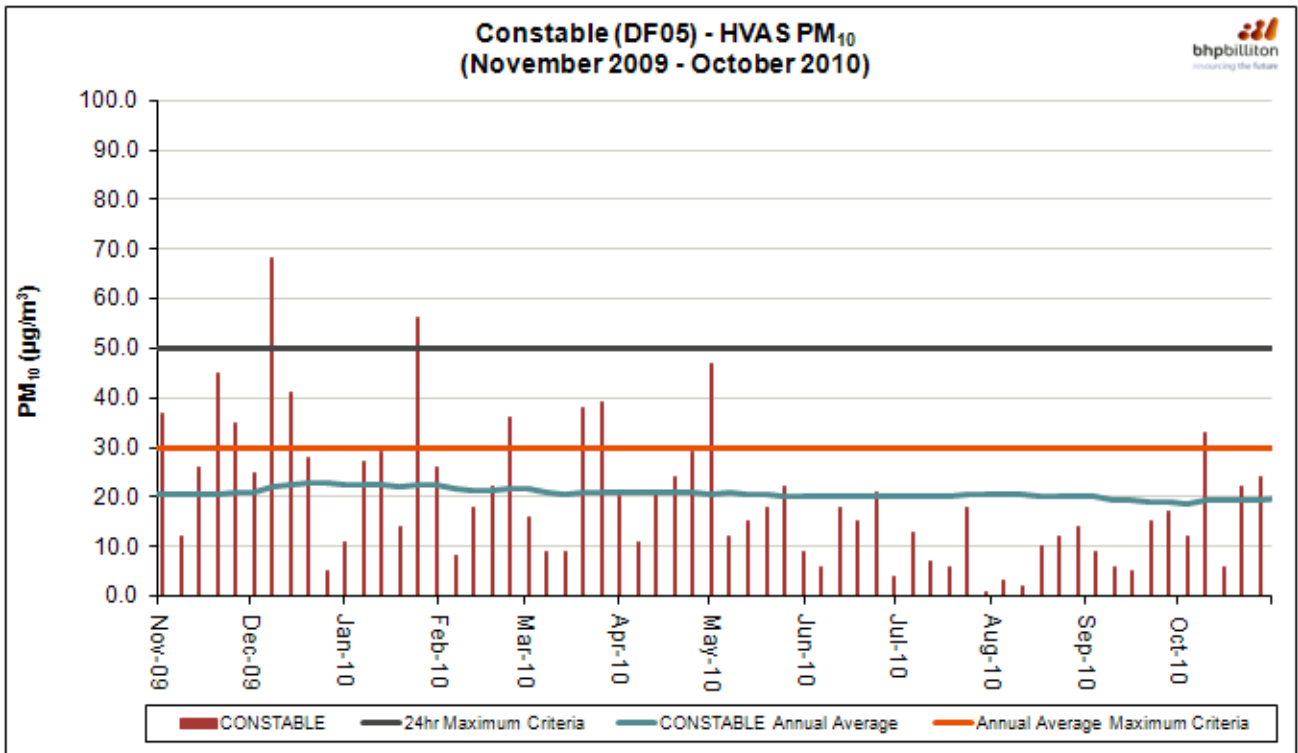


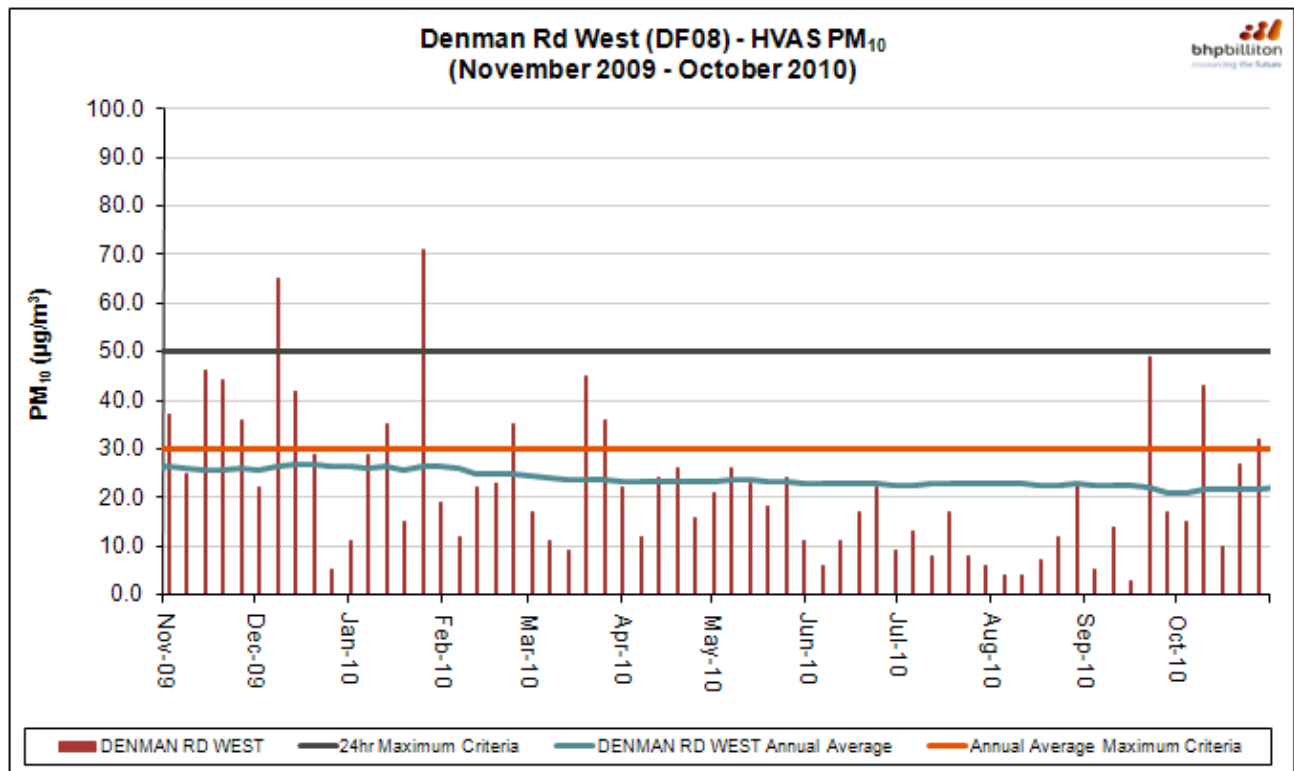
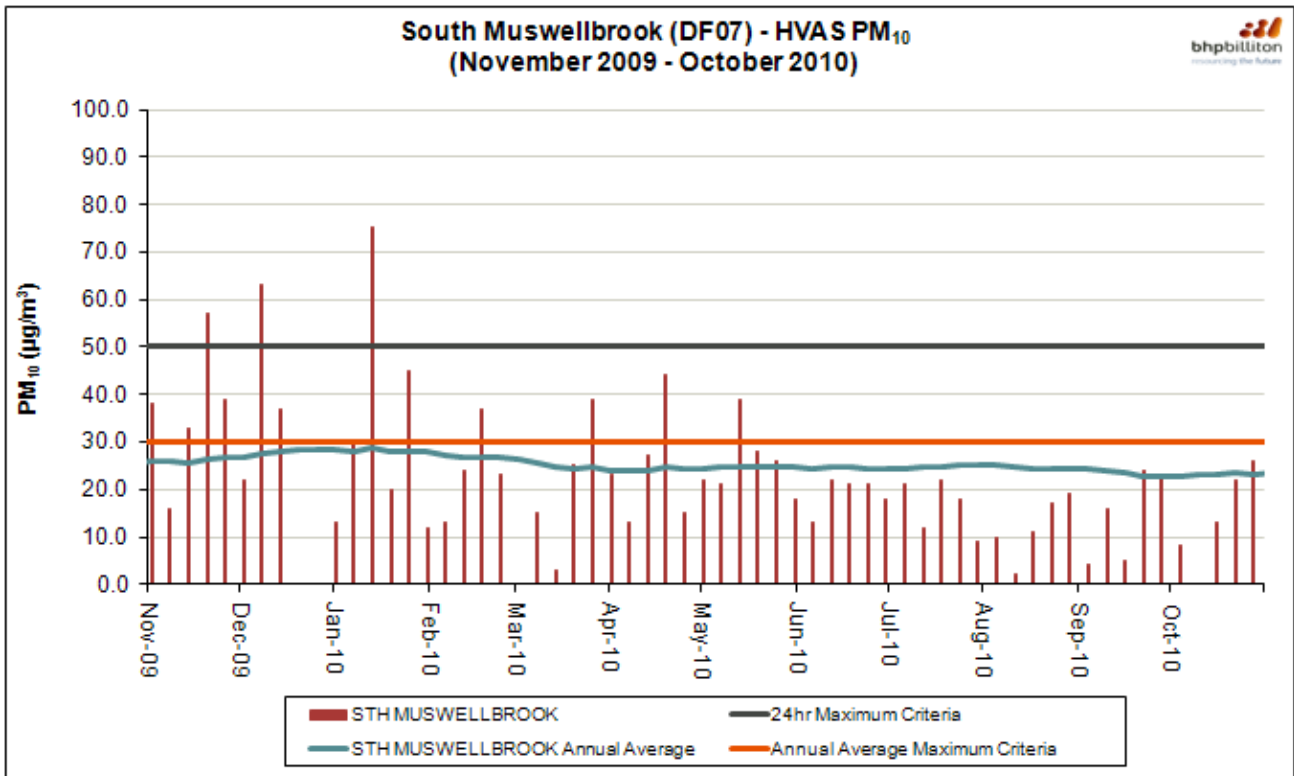
2. HVAS Data (September – October 2010)

24 hr PM ₁₀ Criteria	50 µg/m ³
Annual Average PM ₁₀ Criteria	30 µg/m ³



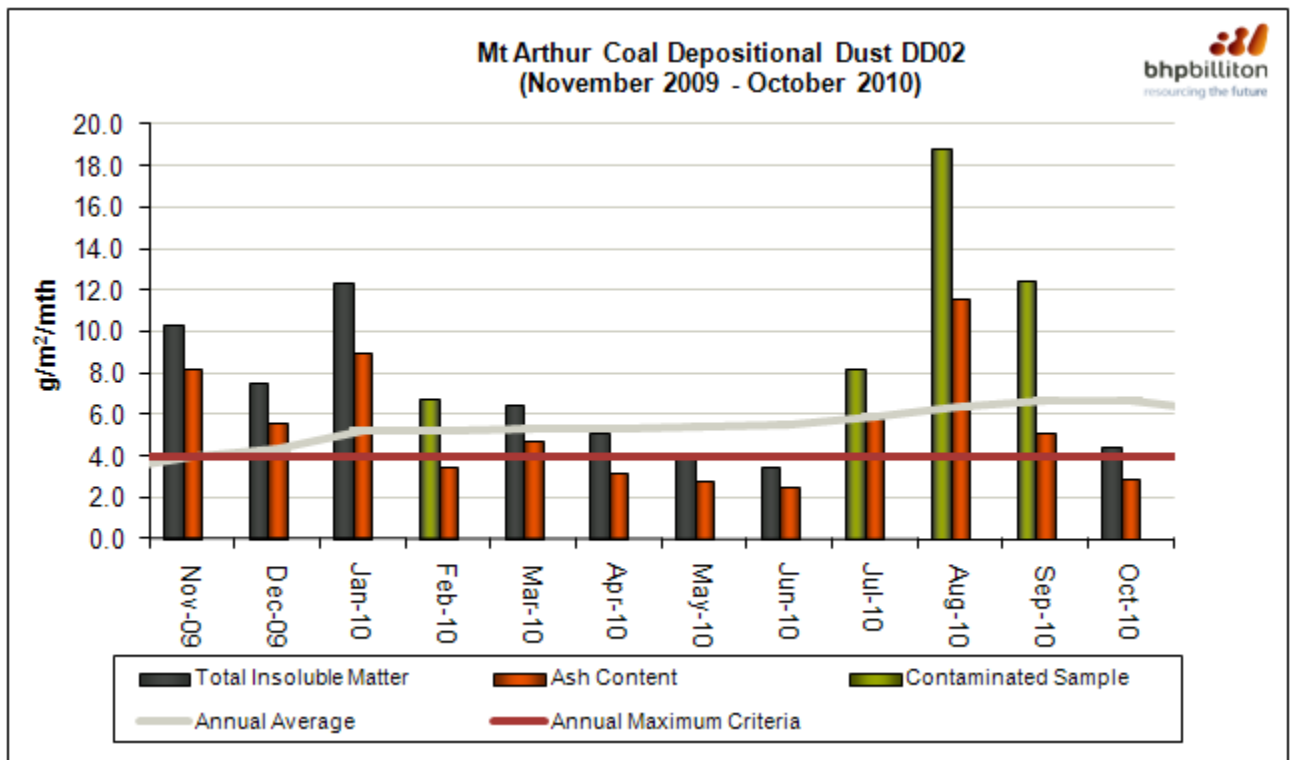
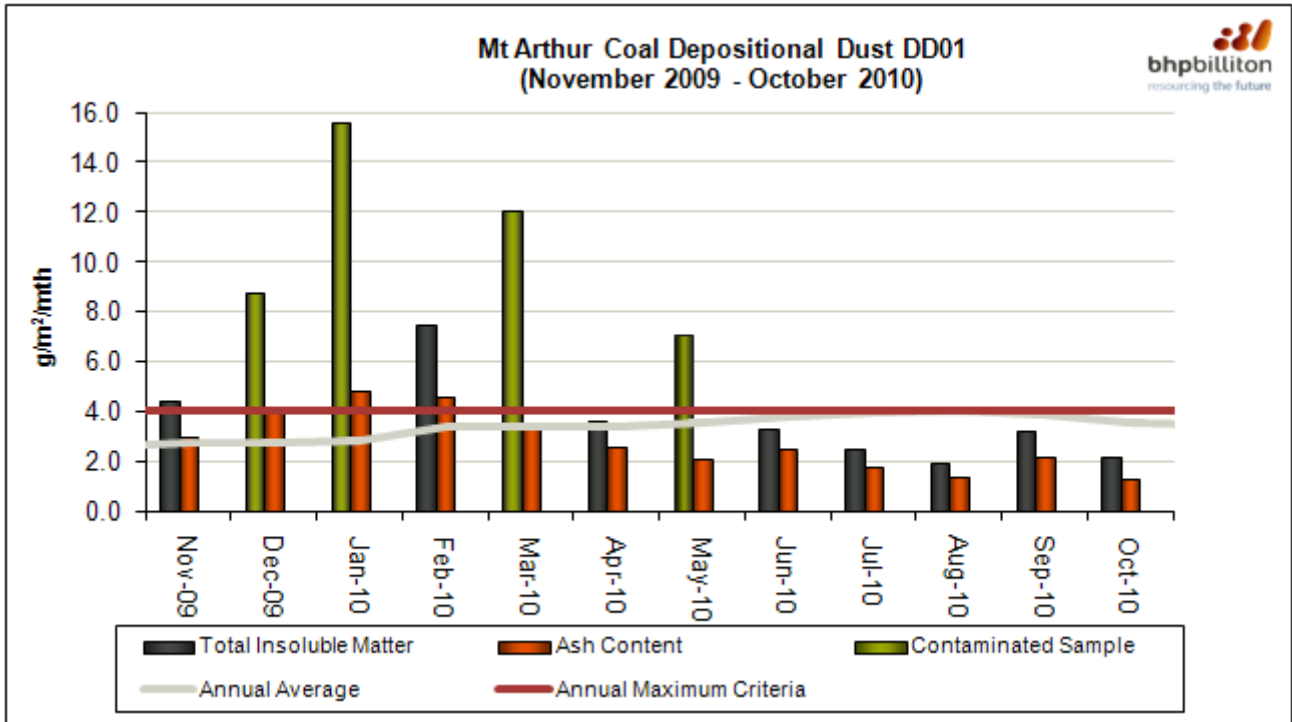






3. Depositional Dust Data (September – October 2010)

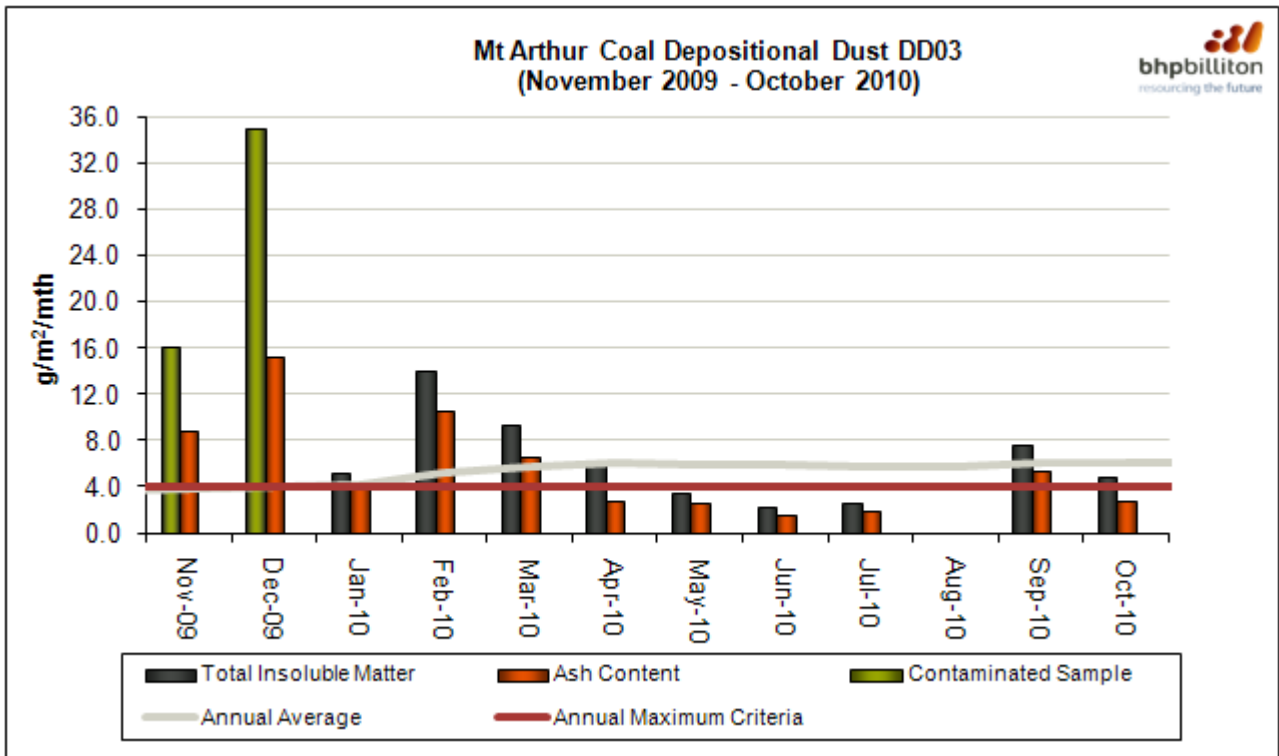
Depositional Dust Criteria 4 g/m²/month



September – Independent monitoring contractor determined that the sample was contaminated with Bird droppings therefore excluded from results

October - Investigation revealed that predominant wind direction for the month of October was from the south east. This monitor is located to the east of the operation. It was therefore determined that Mt Arthur Coal's contribution was below relevant consent criteria.

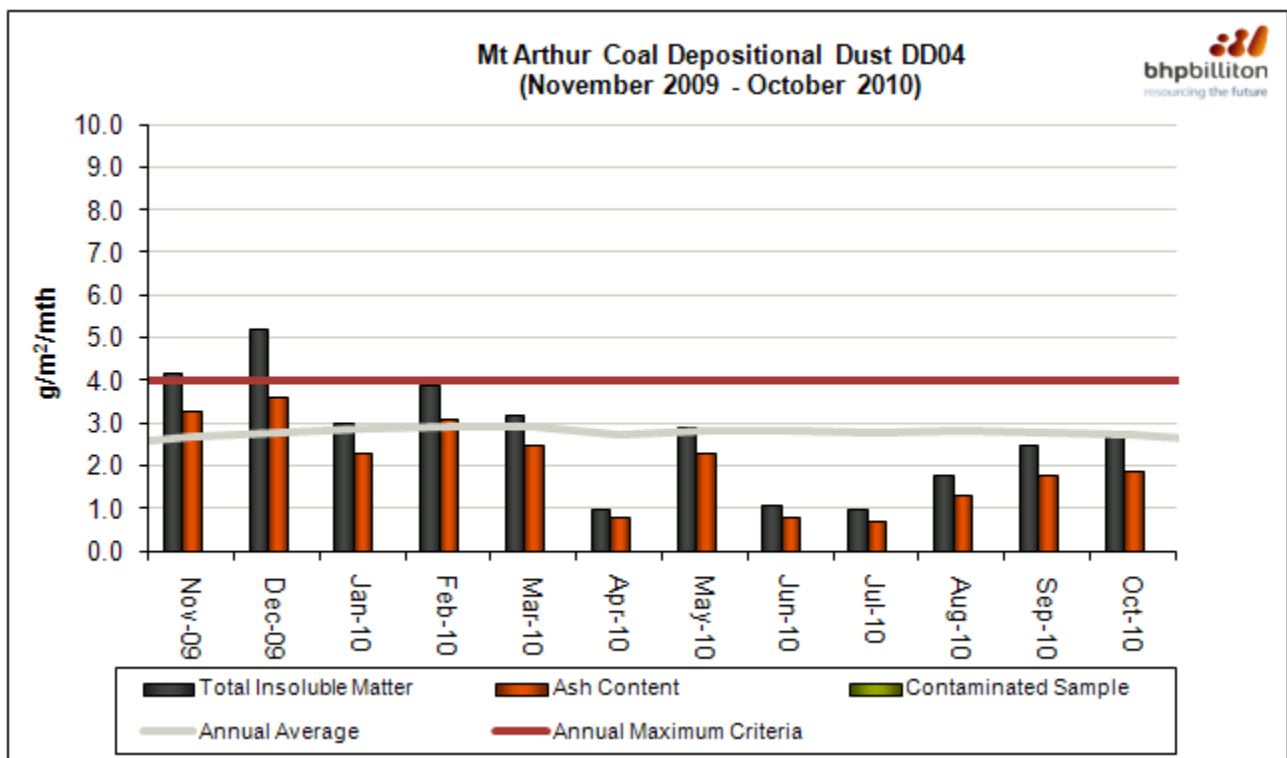
Rolling Annual Average is above development consent criteria. Investigations into each elevated result has revealed that Mt Arthur Coal's activities did not contribute to individual elevated results, therefore the elevated annual average did not result from Mt Arthur Coal's operation.

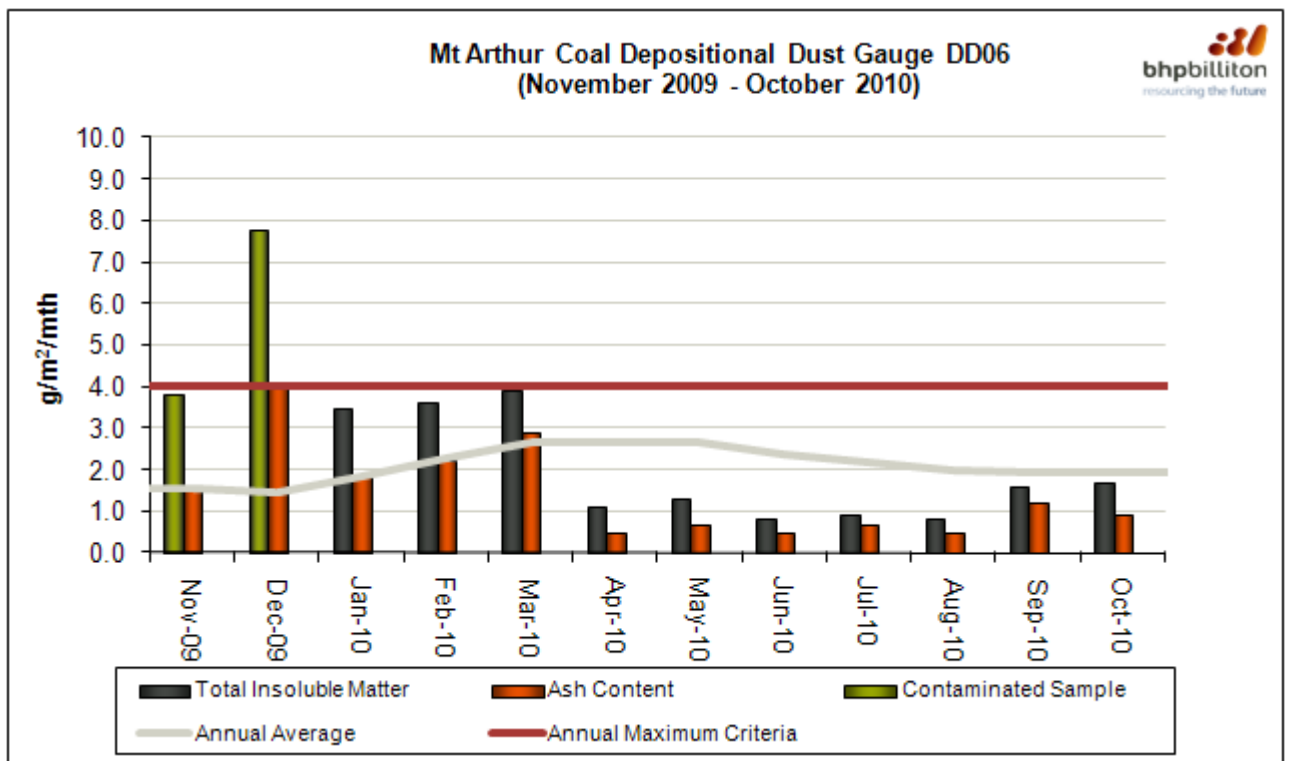
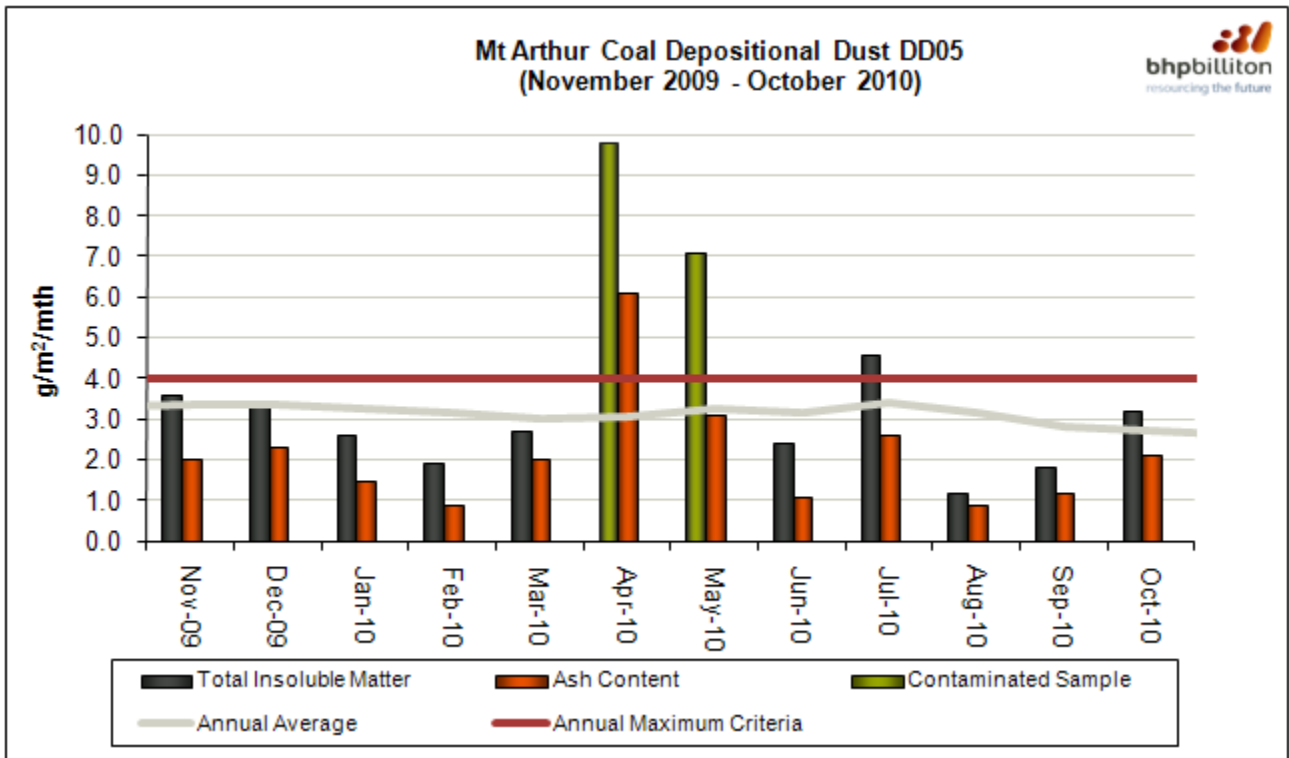


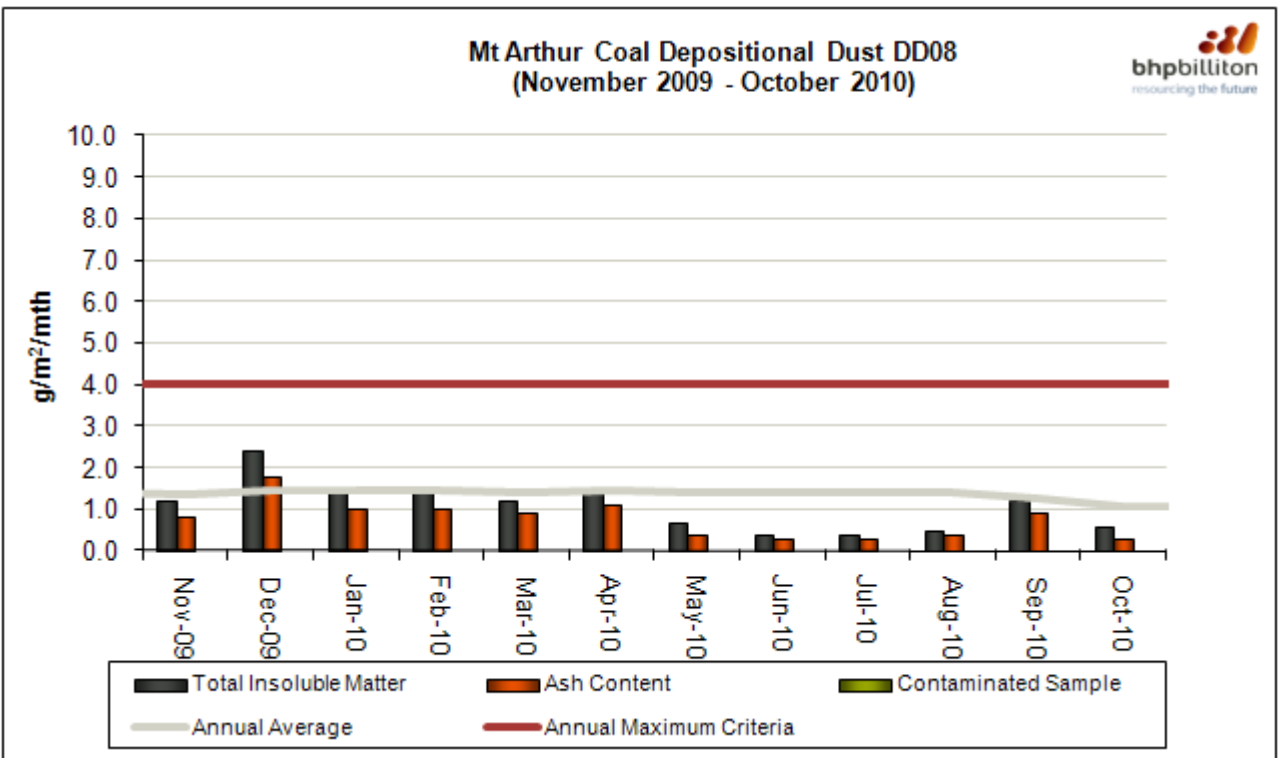
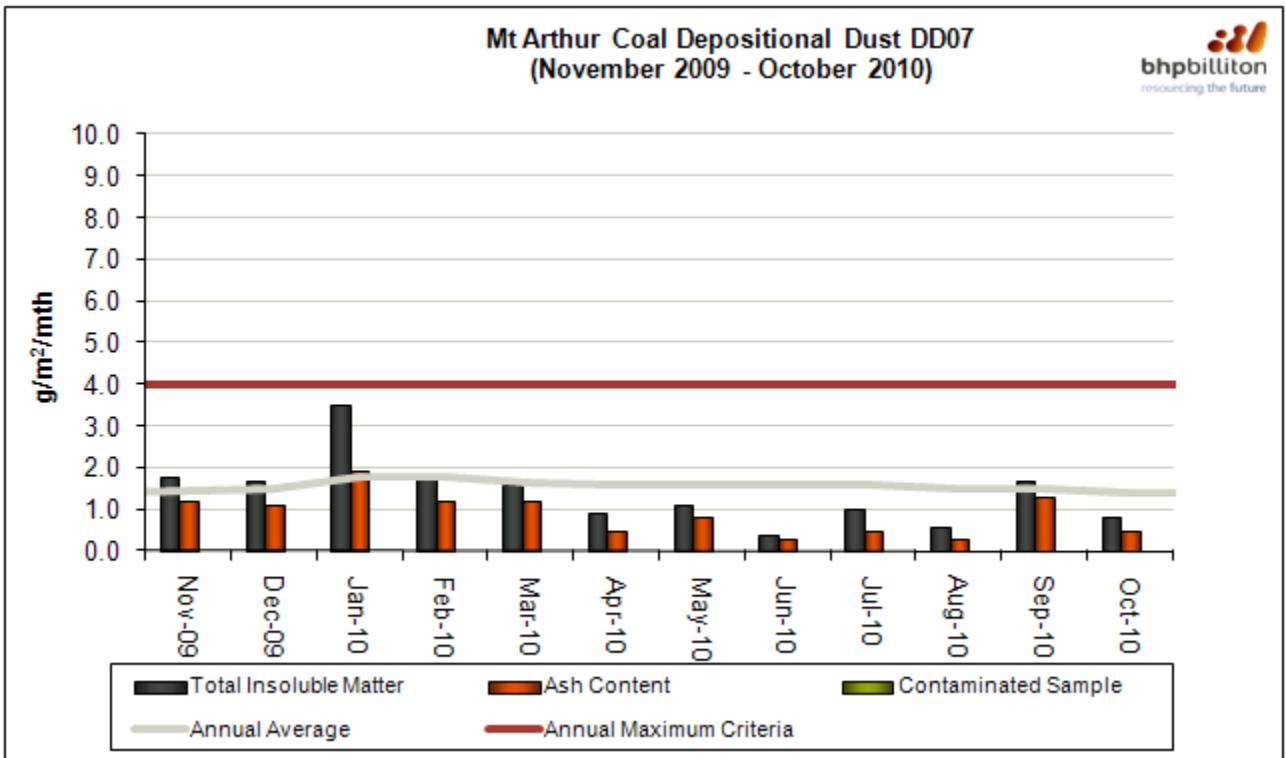
September – Investigation revealed that predominant wind direction for the month of September was from the north west. This monitor is located to the east of the operation. It was therefore determined that Mt Arthur Coal's contribution was below relevant consent criteria.

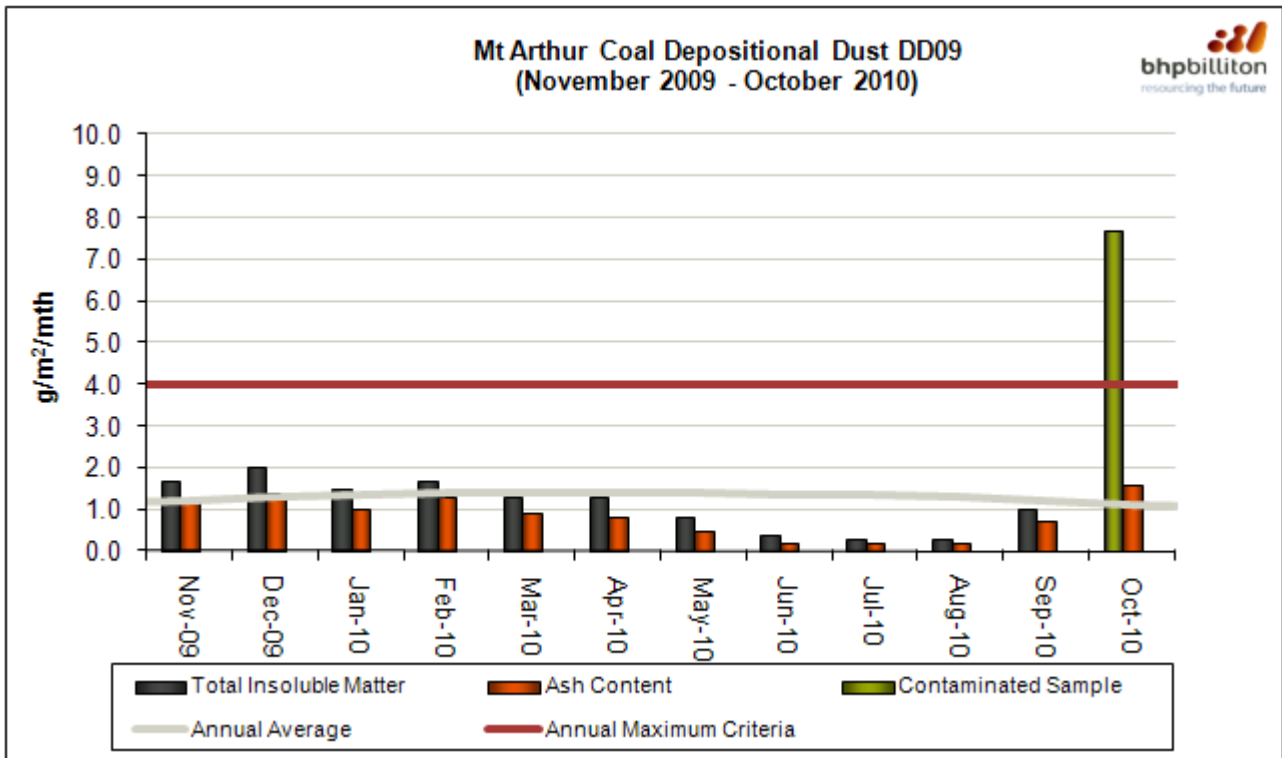
October – Investigation revealed that predominant wind direction for the month of October was from the south east. This monitor is located to the east of the operation. It was therefore determined that Mt Arthur Coal's contribution was below relevant consent criteria.

Rolling Annual Average is above development consent criteria. Investigations into each elevated result has revealed that Mt Arthur Coal's activities did not contribute to individual elevated results, therefore the elevated annual average did not result from Mt Arthur Coal's operation.

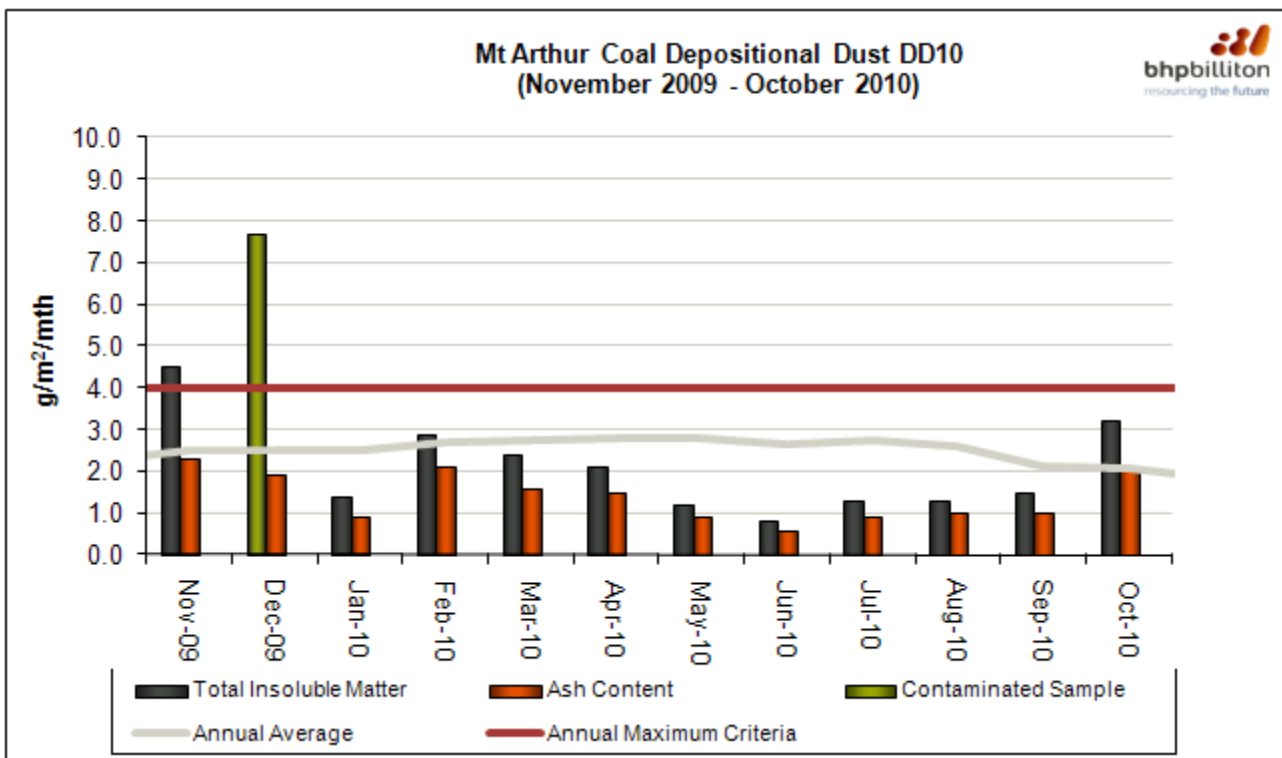


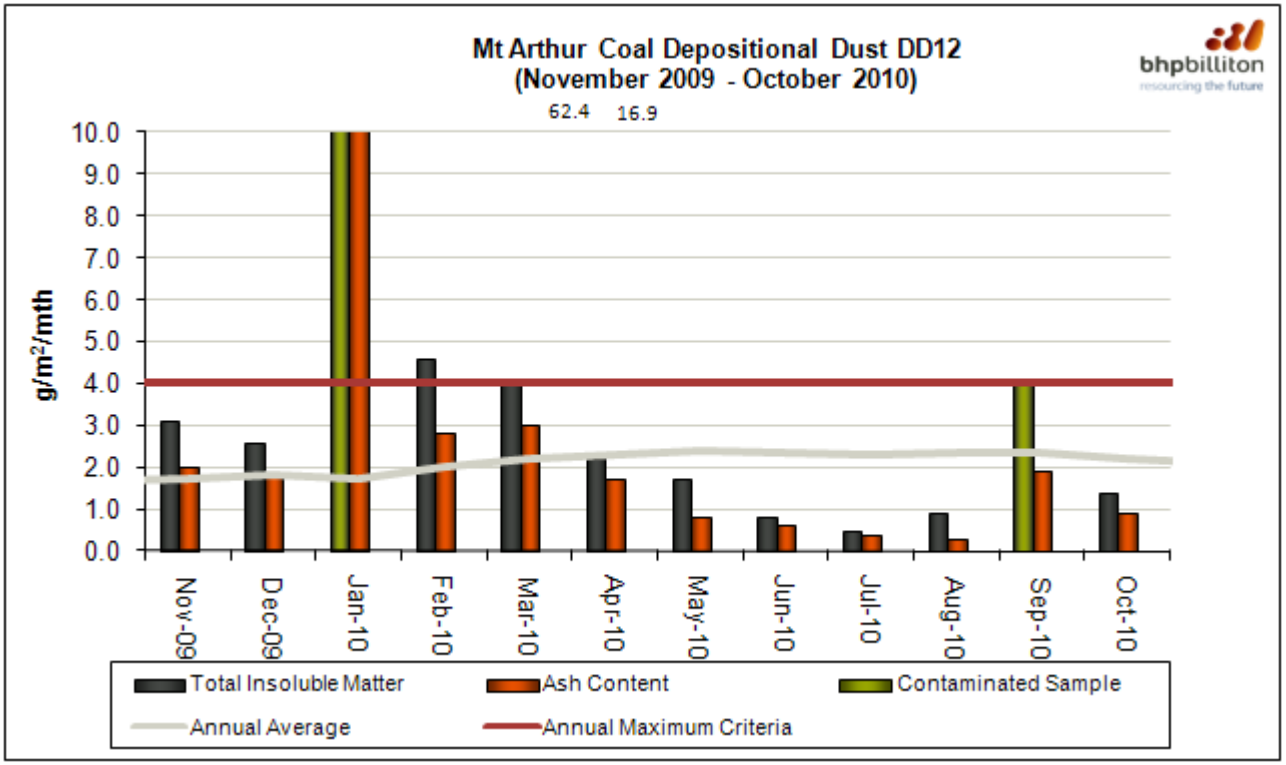
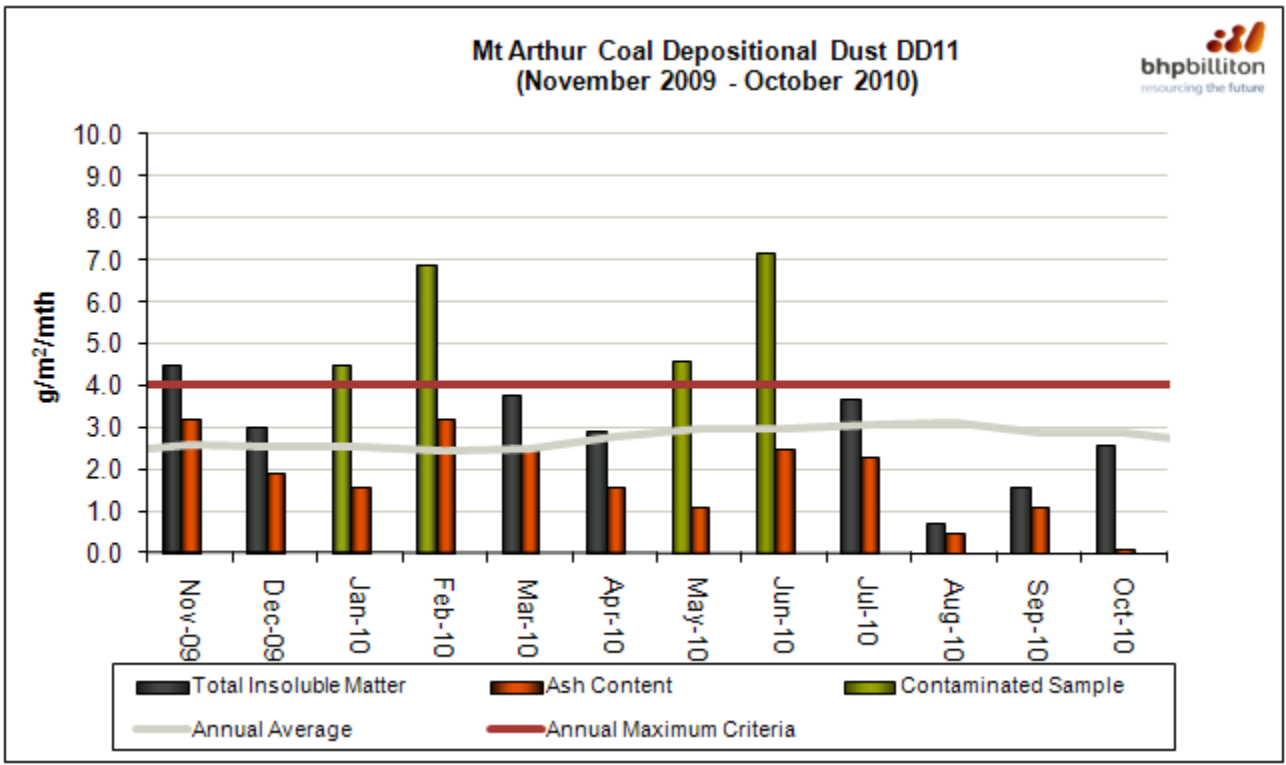




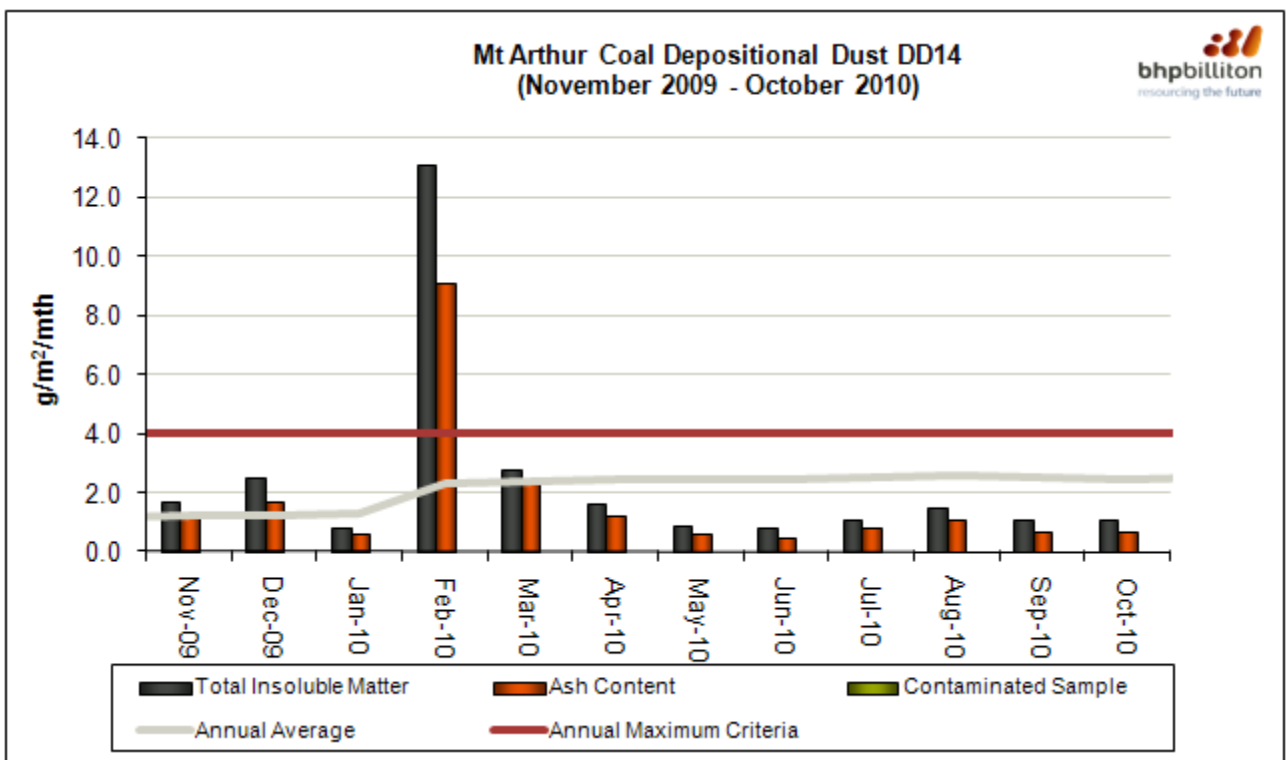
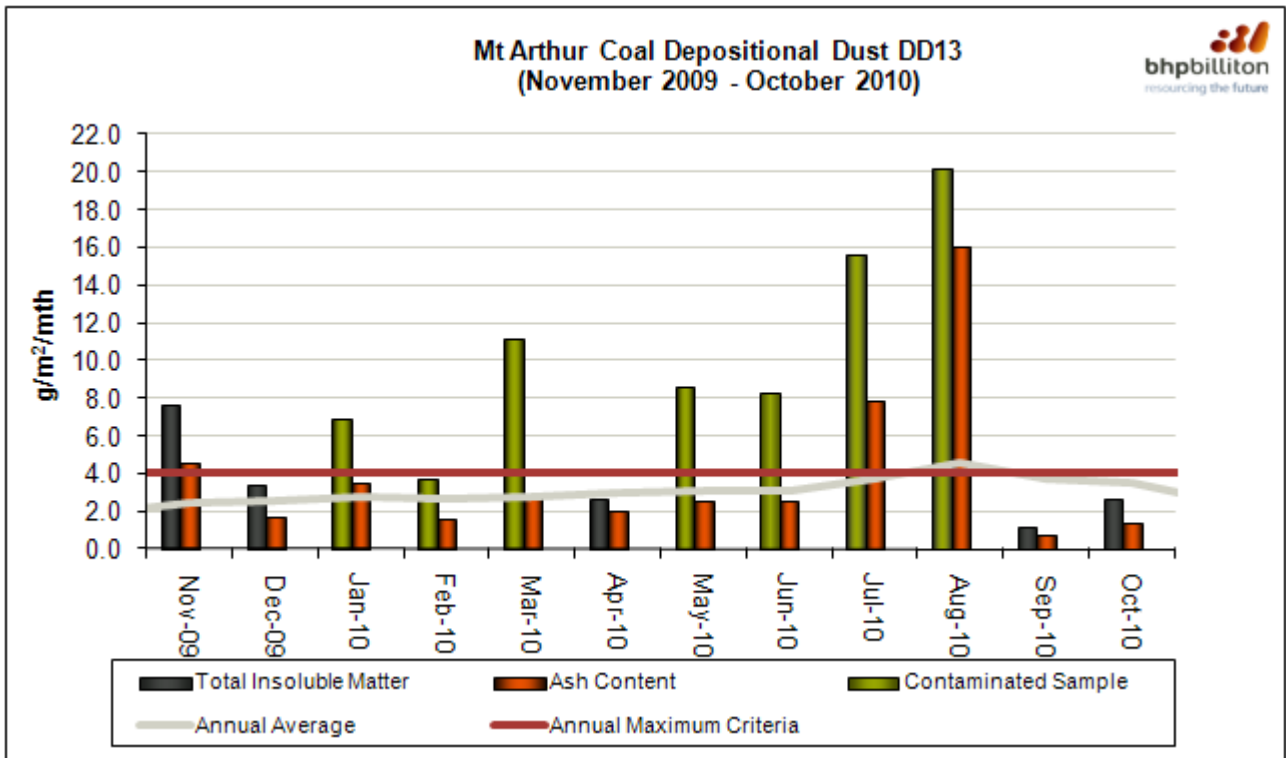


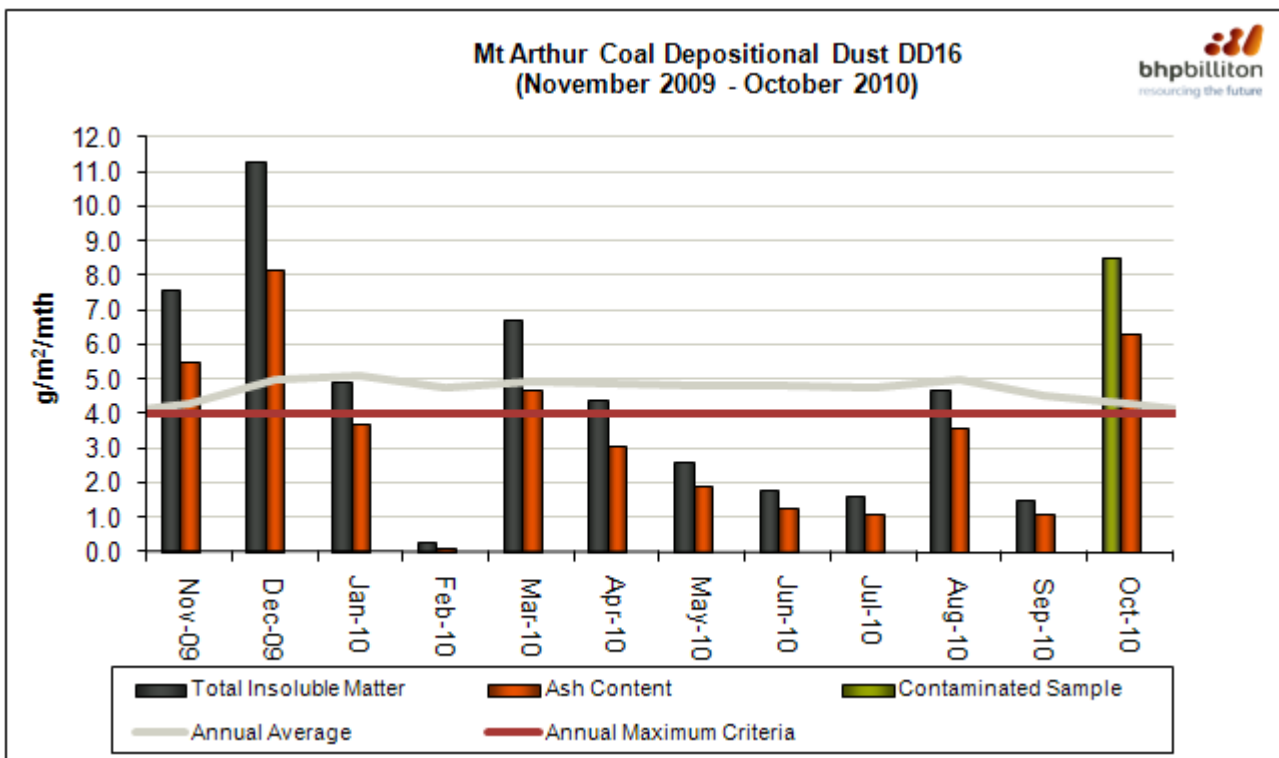
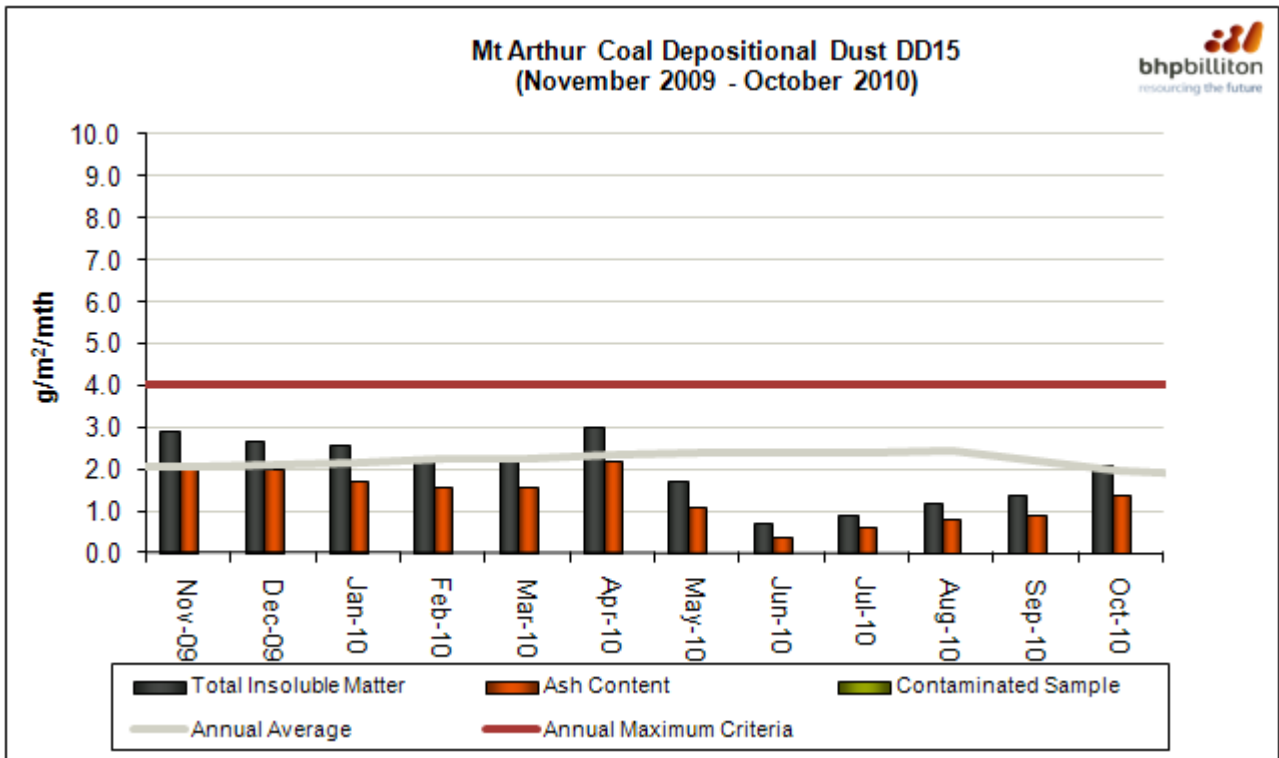
October – Independent monitoring contractor determined that the sample was contaminated with bird droppings and vegetation therefore excluded from results.





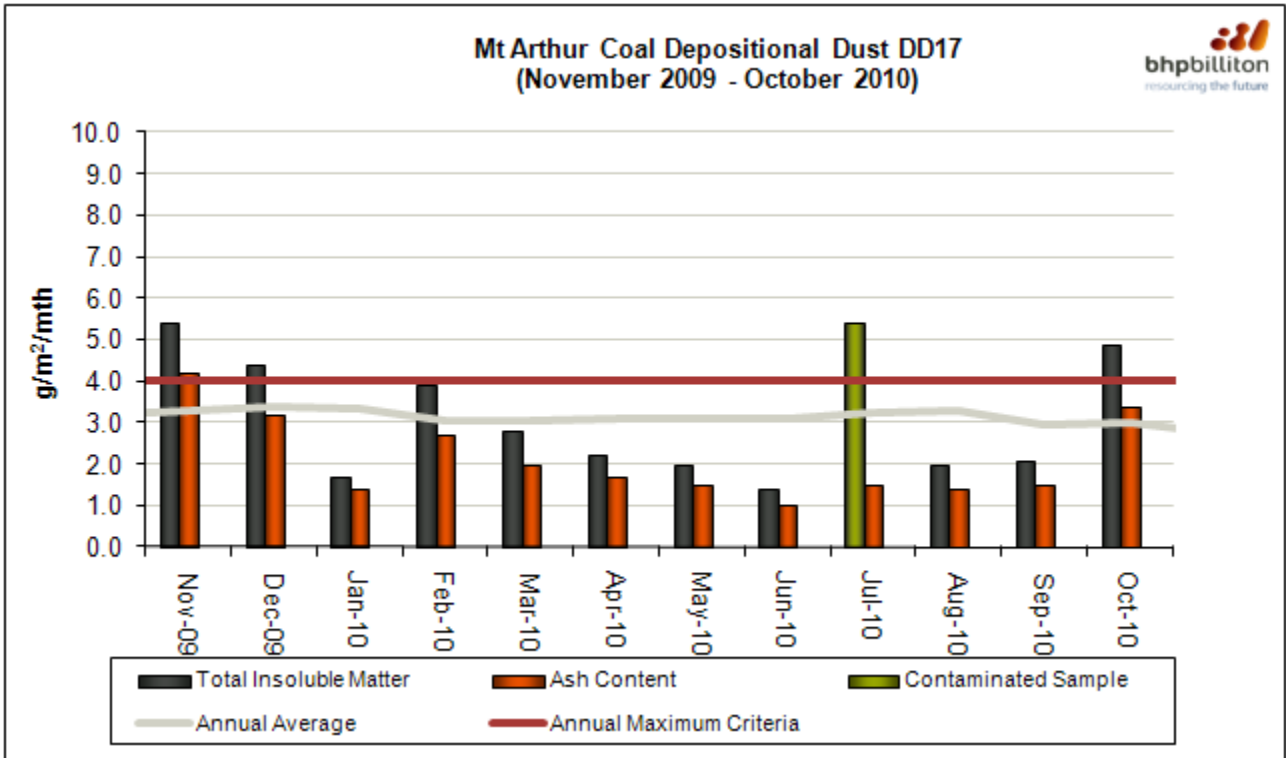
September – Independent monitoring contractor determined that the sample was contaminated with bird droppings therefore excluded from results



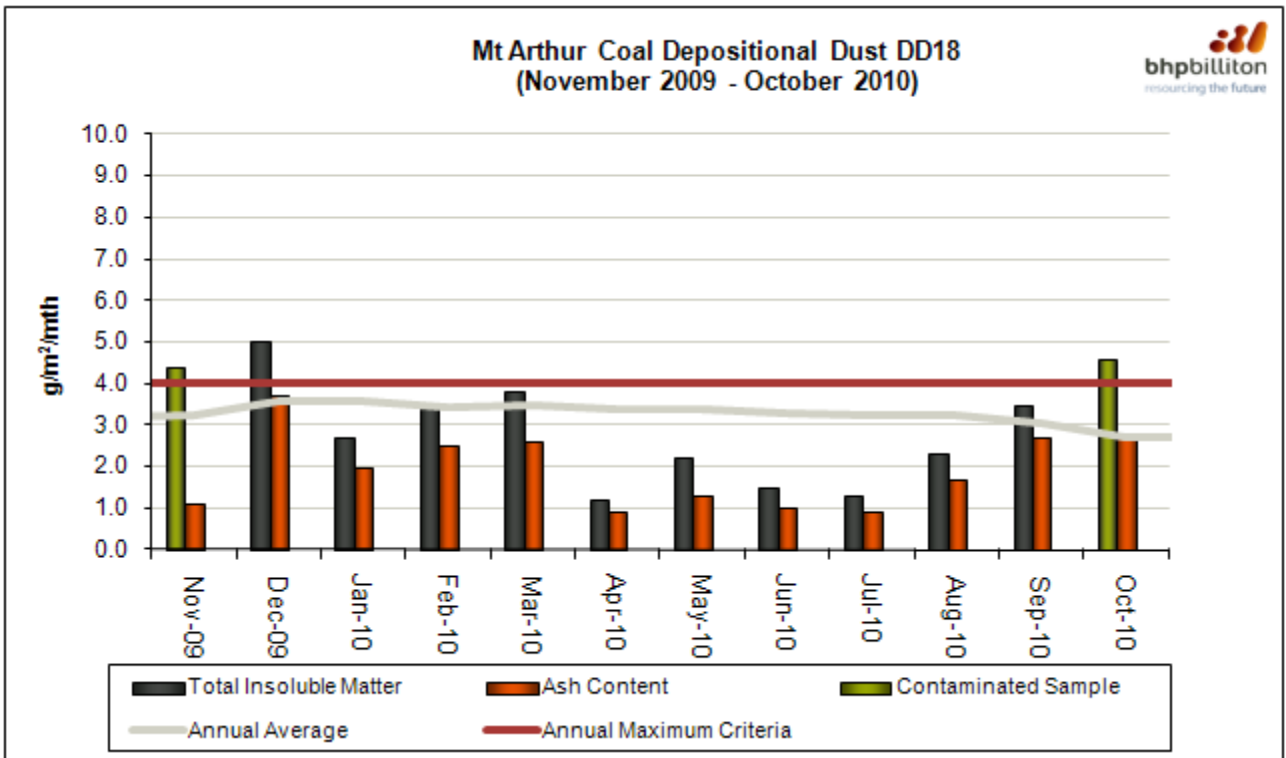


October – Independent monitoring contractor determined that the sample was contaminated with vegetation therefore excluded from results.

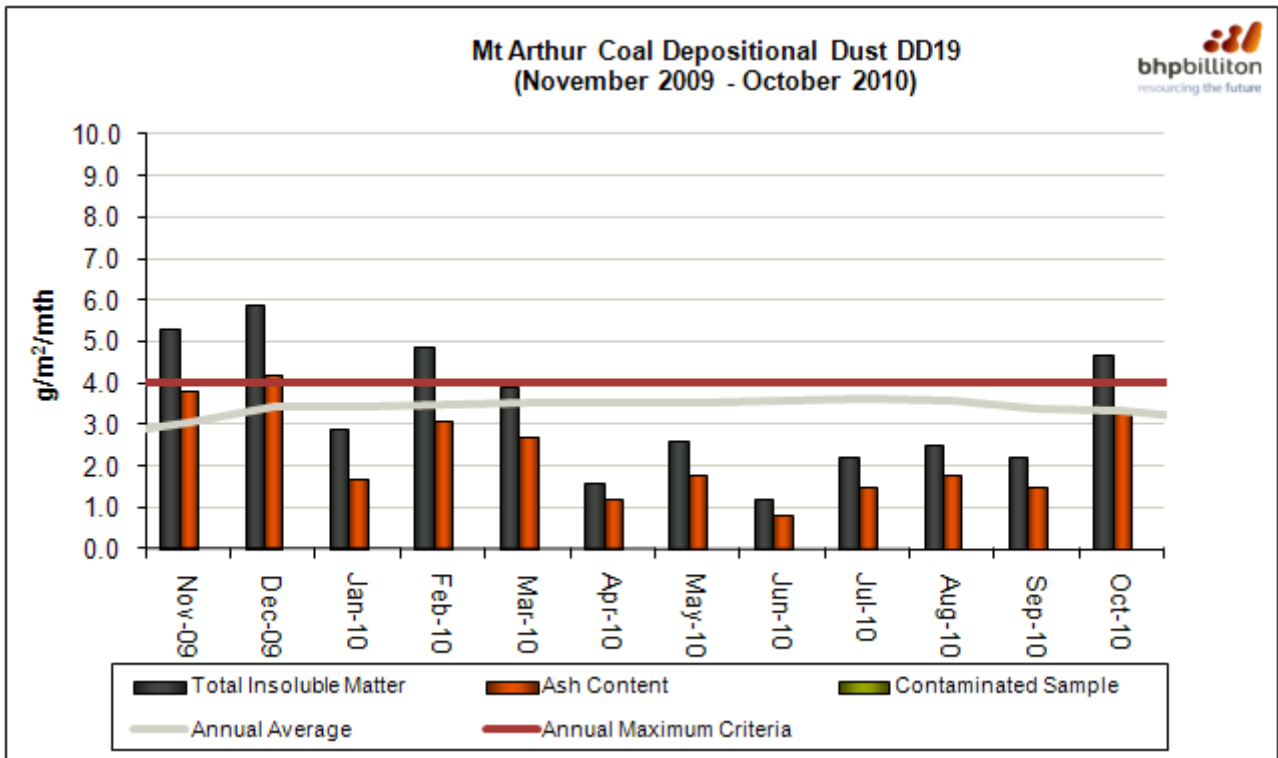
Rolling Annual Average is above development consent criteria. Investigations into each elevated result has revealed that Mt Arthur Coal’s activities did not contribute to individual elevated results, therefore the elevated annual average did not result from Mt Arthur Coal’s operation.



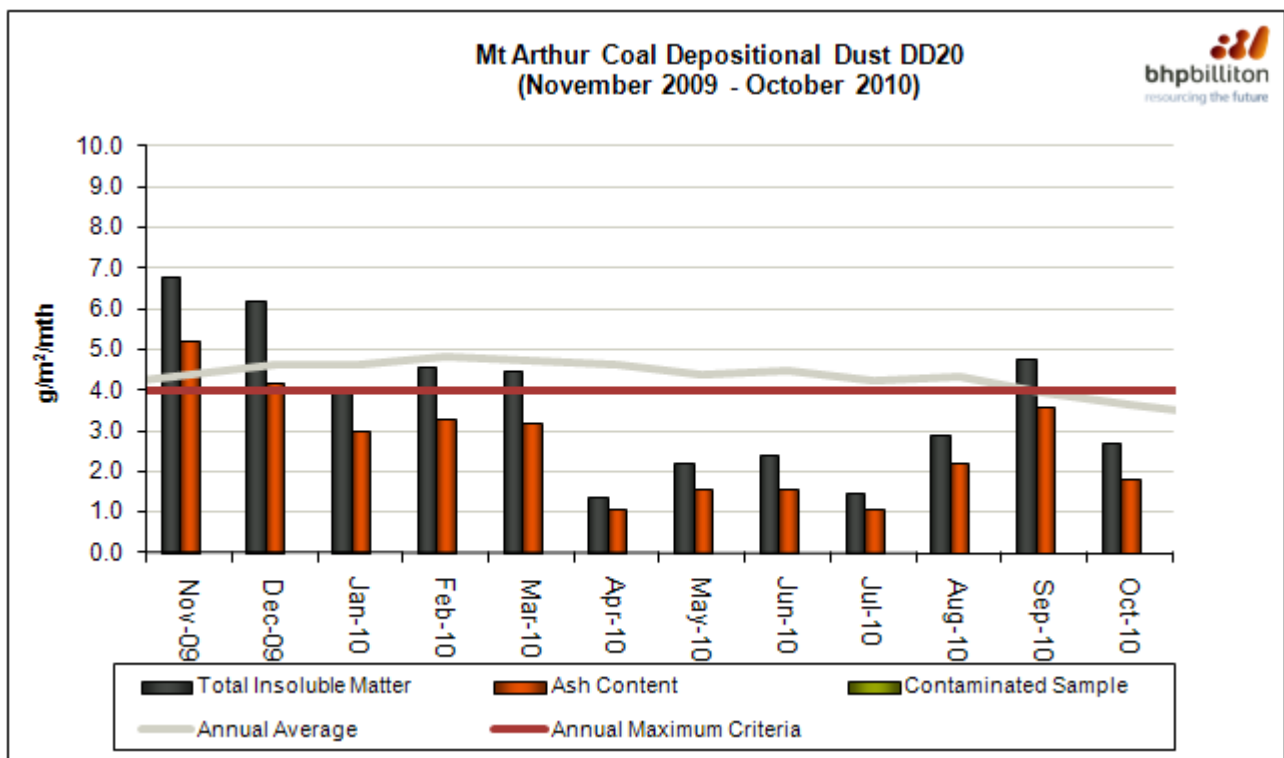
October - This monitor is on Mt Arthur Coal owned land and is used for management purposes only.



October – Independent monitoring contractor determined that the sample was contaminated with insects and bird droppings therefore excluded from results.

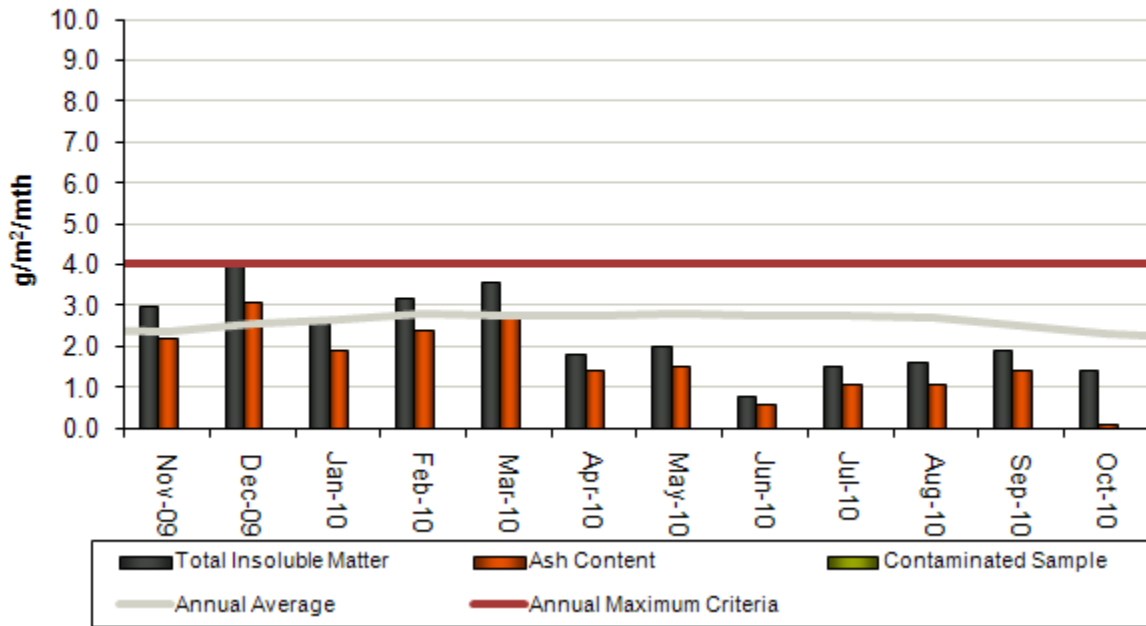


October – Investigation revealed that predominant wind direction for the month of October was from the south east. This monitor is located to the north of the operation. It was therefore determined that Mt Arthur Coal's contribution was below relevant consent criteria.

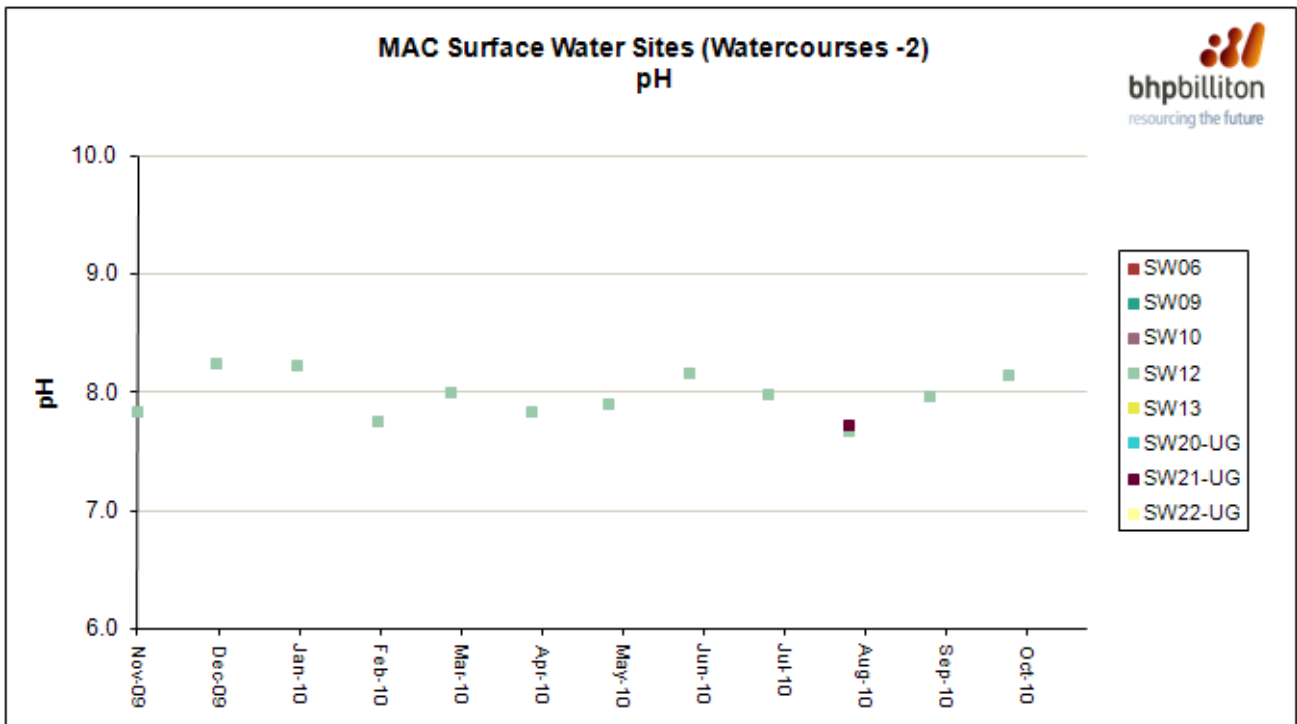
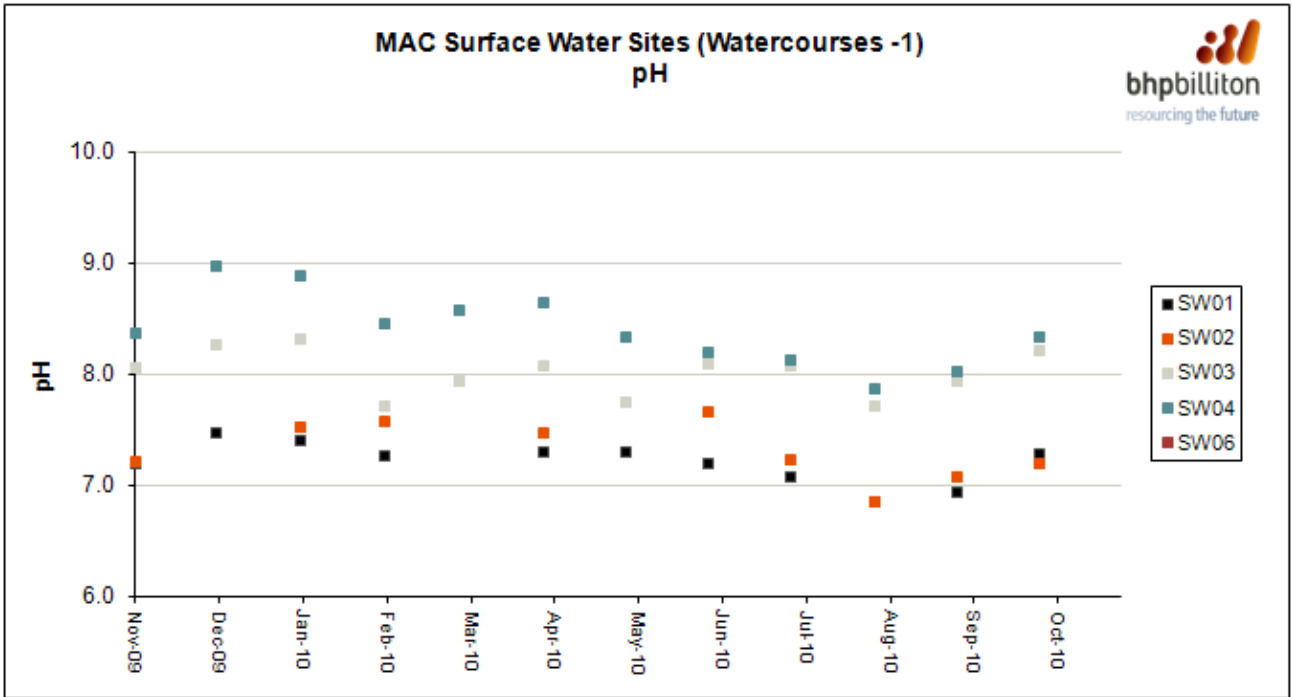


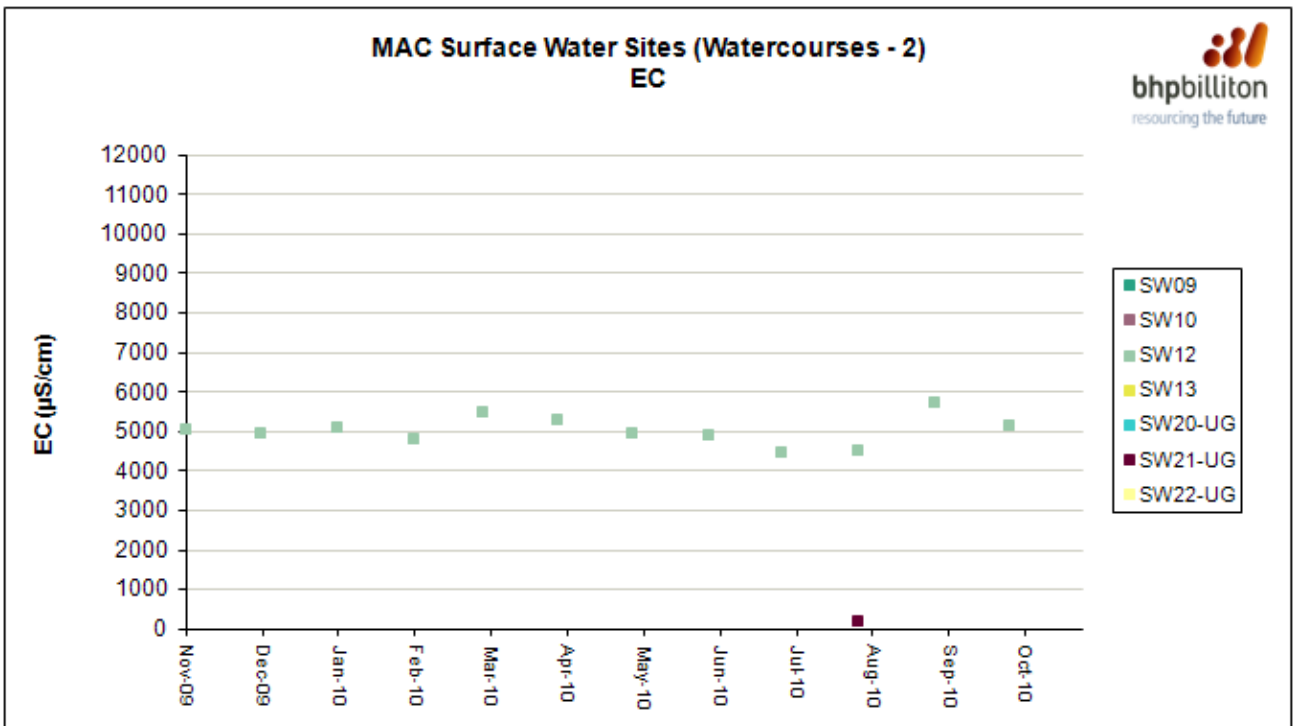
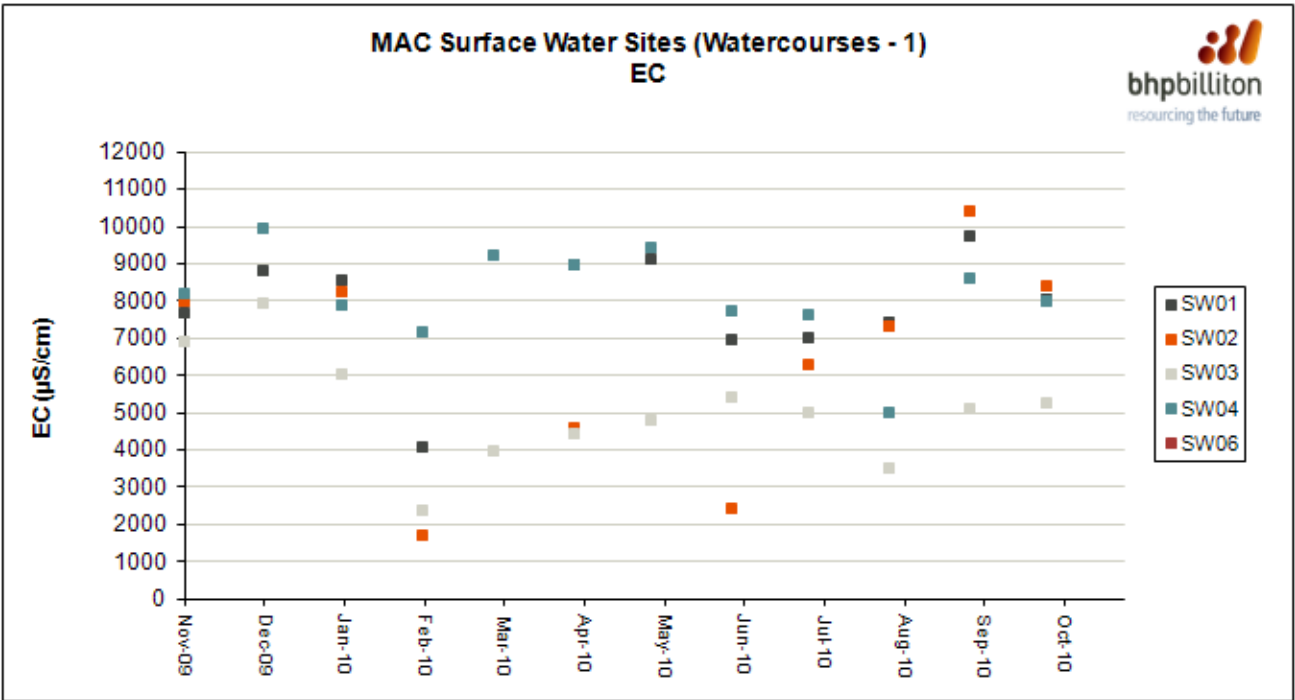
September - Investigation revealed that predominant wind direction for the month of September was from the north west. This monitor is located to the north of the operation. It was therefore determined that Mt Arthur Coal's contribution was below relevant consent criteria.

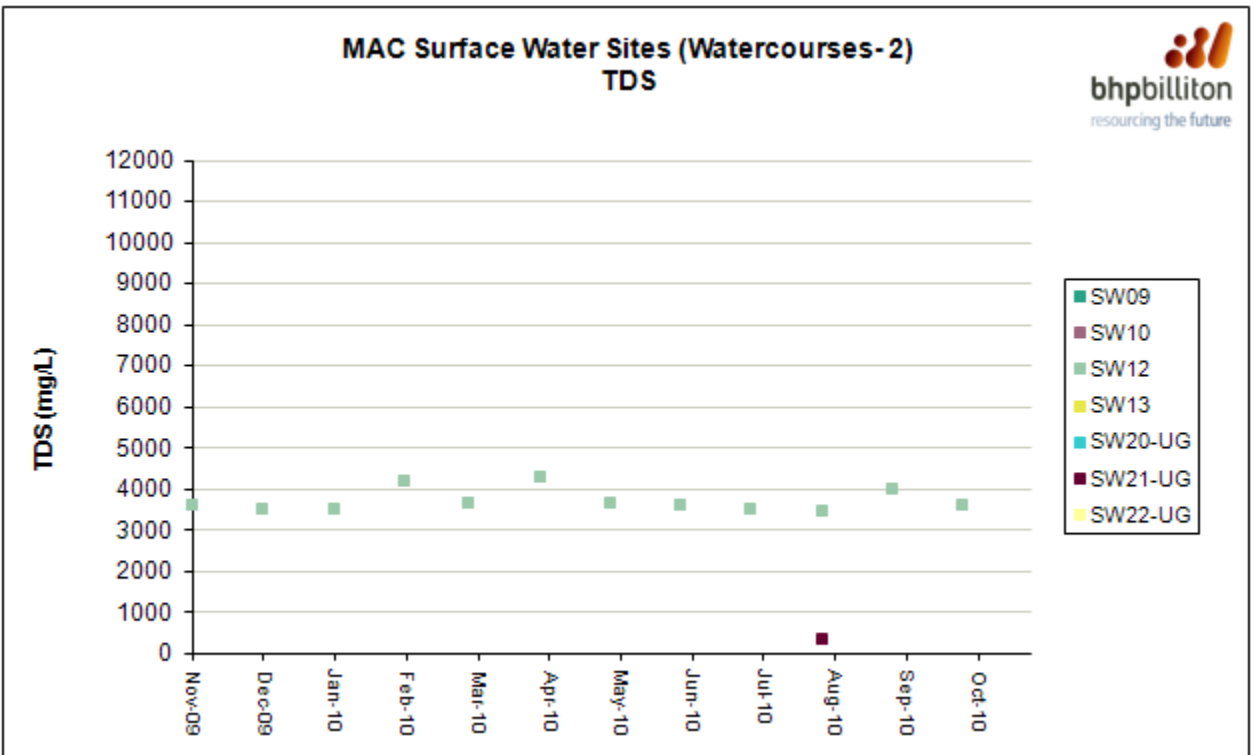
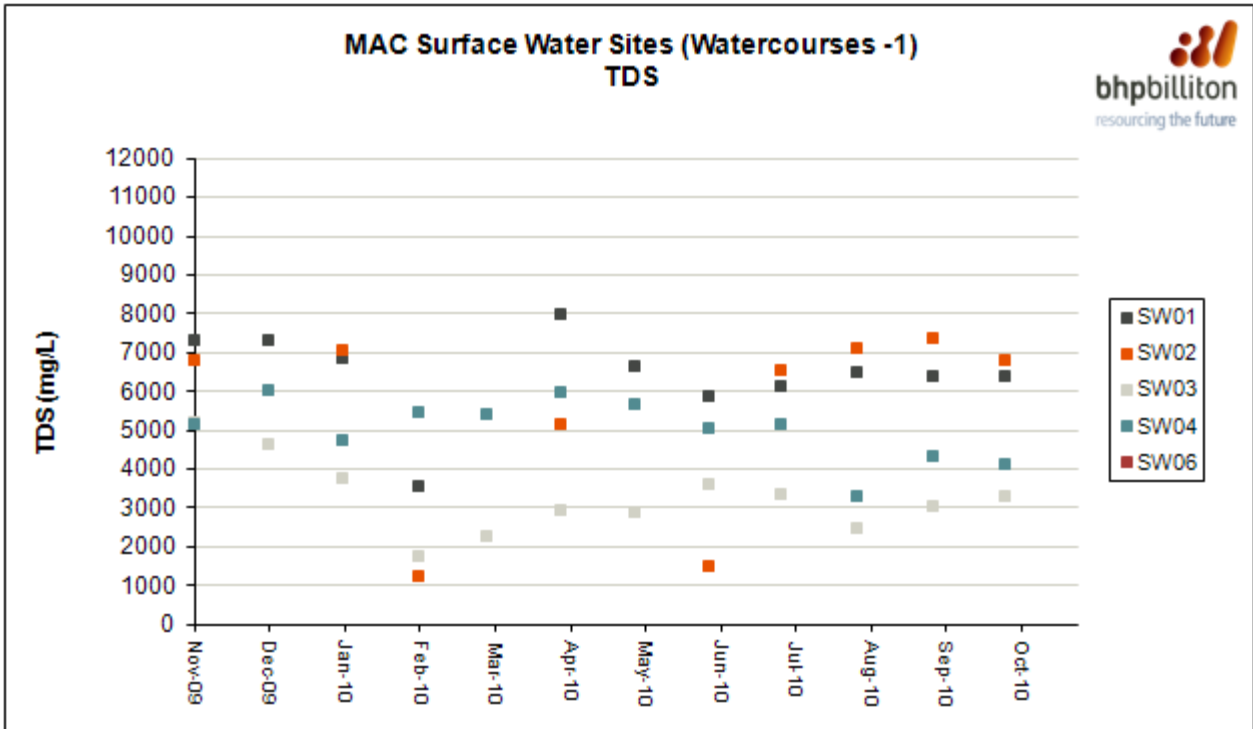
Mt Arthur Coal Depositional Dust DD21
(November 2009 - October 2010)

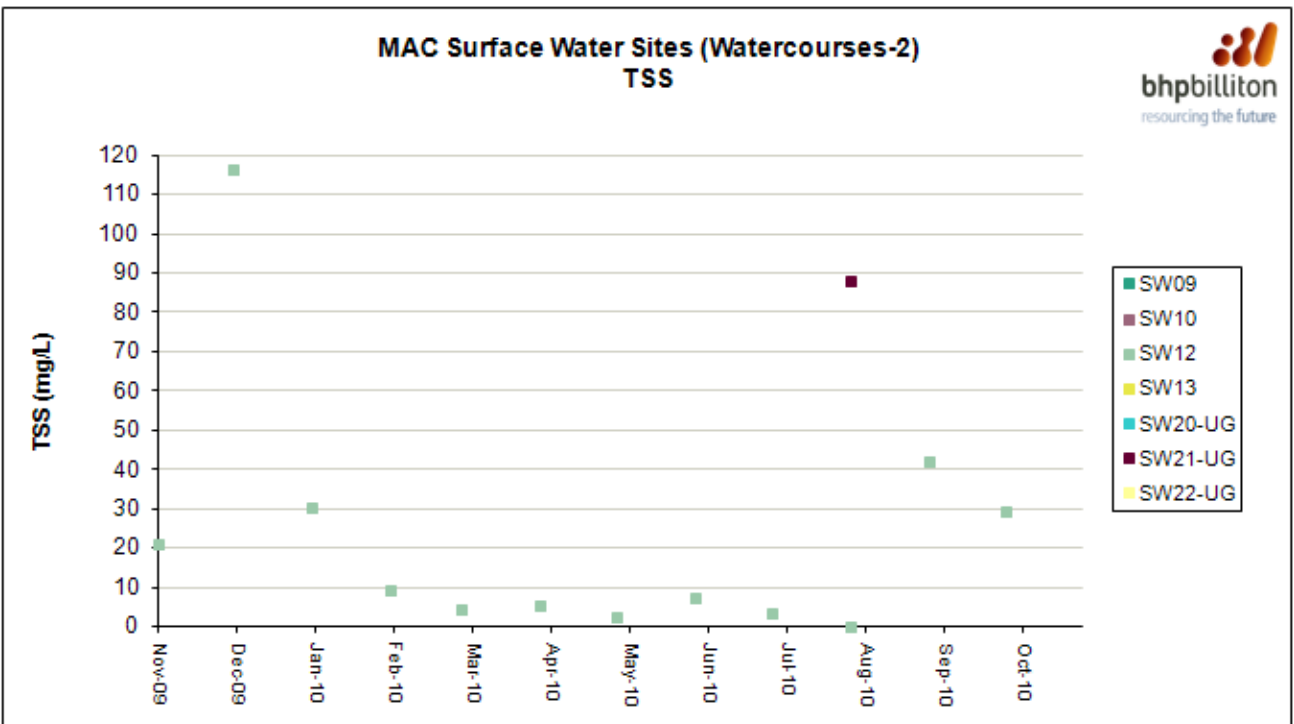
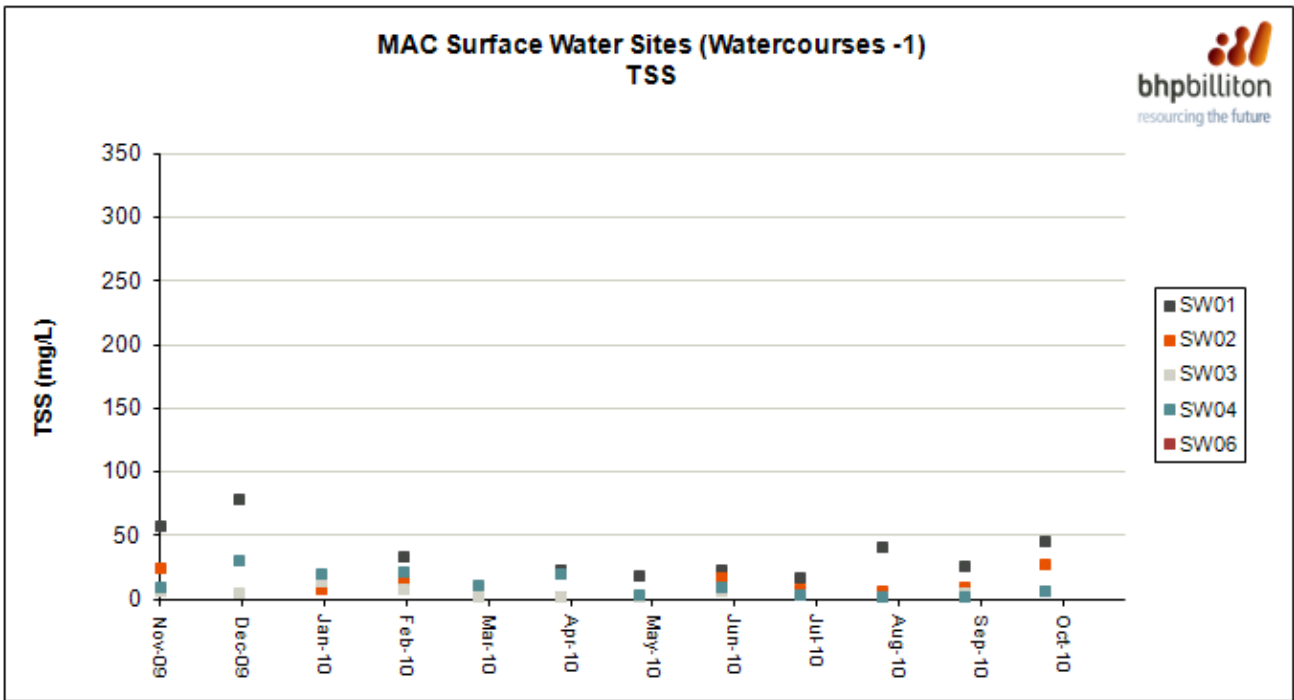


3. Surface Water Data

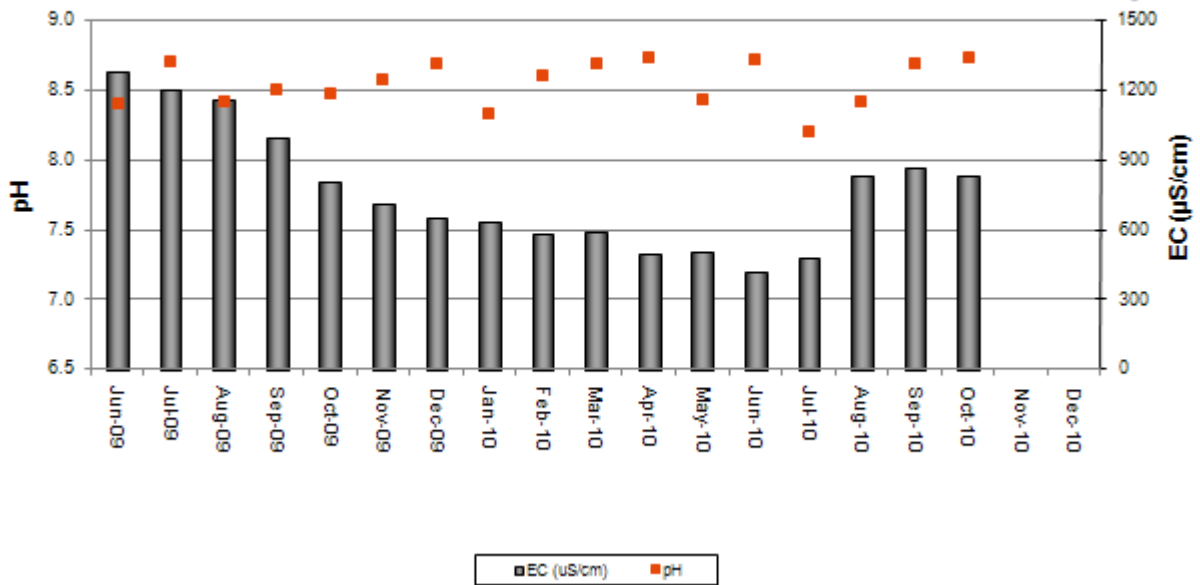






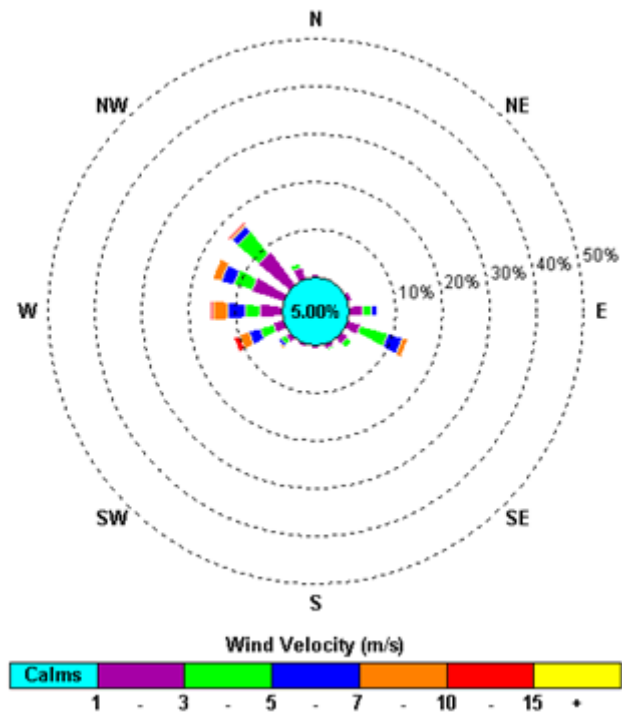


SW16 - Environmental Dam
(June 2009 - December 2010)

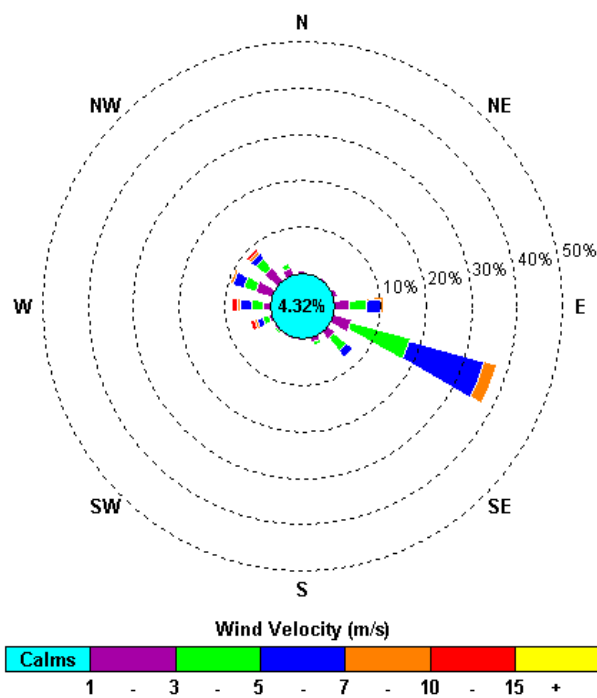


4. Weather Data – Monthly Wind Roses for Mt Arthur Coal Industrial Area Weather Station

September



October



VAIS512

	Temperature 2m (C)			Windspeed (m/s)			Sigma Theta			Solar Radiation (W/m2)			Rainfall mm	No. of days rain >1mm
	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max		
January	11.4	24.0	39.7	0.0	4.4	14.0	0.0	2.5	24.0	0.0	406.9	1961.1	84.6	5
February	18.1	23.1	31.0	0.0	4.7	12.2	0.0	2.2	14.0	0.0	330.7	1961.1	32.7	4
March														
April	6.0	17.9	28.7	0.0	3.2	13.6	0.0	2.6	14.0	0.0	258.5	1498.7	14.5	1
May	2.3	13.6	25.2	0.0	2.7	13.4	0.0	2.9	14.0	0.0	189.4	1372.4	38.9	7
June	0.0	10.7	18.8	0.0	3.1	13.6	0.0	3.0	28.6	0.0	166.2	1244.2	13.9	4
July	1.3	10.9	19.5	0.1	2.8	12.2	1.8	14.4	98.3	---	---	---	4.1	1
August	0.2	10.5	21.3	0.1	4.6	14.5	1.1	12.2	100.4	0.0	241.6	1405.8	0.7	0
September	4.4	14.1	26.1	0.0	3.9	13.9	2.4	13.8	103.3	0.0	305.2	1489.2	2.2	1
October	5.1	16.5	28.7	0.0	4.4	15.2	1.5	13.0	101.8	0.0	322.4	1790.9	2.1	1
November														
December														