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**Locations:** Southern, Northern and Potosi Operations

## Meteorological Summary

### *June 2012*

Table 1 is a summary of the average daily weather observations collected at the Patton St Weather Station. The average temperature for the month was 11 °C with a high of 16.2 °C and a low of 7.2 °C. Total rainfall for the month was 12.4 mm with a total of 5.2 mm falling on the 22<sup>nd</sup> June.

*For all weather observations please see the attached weather report.*

**Table 1 Summary of the temperature, rainfall, wind speed and direction for June 2012.**

Date	Temperature (C°)	Rainfall (mm)	Wind speed (km/hr)	Wind direction
1-Jun	15.6	2	29.0	E
2-Jun	12.3	0	24.0	S
3-Jun	9.6	0	30.3	SSW
4-Jun	9.2	0	28.3	W
5-Jun	9.9	3.4	45.7	SSW
6-Jun	8.3	0.2	25.3	SSW
7-Jun	7.2	0	20.0	SW
8-Jun	8.4	0	23.3	SSE
9-Jun	7.3	0	21.3	SSE
10-Jun	8.9	0	25.0	SSE
11-Jun	8.9	0	15.3	ENE
12-Jun	11.9	0	15.3	ESE
13-Jun	13.7	0	23.3	NNE
14-Jun	16.2	0	34.7	SW
15-Jun	12.6	0	21.3	SSW
16-Jun	13.5	0.2	28.7	WNW
17-Jun	12.6	0	21.3	Calm
18-Jun	12.1	0	18.3	WSW
19-Jun	13.7	0.4	13.0	WNW
20-Jun	13.7	0	34.0	SW

Date	Temperature (C°)	Rainfall (mm)	Wind speed (km/hr)	Wind direction
21-Jun	15.0	0	46.3	NW
22-Jun	9.1	5.2	40.7	WSW
23-Jun	7.4	0.4	17.7	SW
24-Jun	10.4	0	13.7	SW
25-Jun	10.1	0	18.3	SSW
26-Jun	9.5	0.2	19.3	S
27-Jun	8.7	0.2	17.3	ESE
28-Jun	11.6	0	26.0	SW
29-Jun	12.7	0	32.7	WNW
30-Jun	10.9	0.2	29.7	WNW

The wind speed data for the month (Figure 1 Average wind speed (km/hr) for June 2012.

) has been provided to assist with interpreting the trends observed in the High volume air sampler (HVAS), dust deposition gauge and blast overpressure data. For example, high dust and overpressure levels may be experienced on days where wind speed is high.

Average wind speed for the month was 25 km/hr with a high of 46.3 km/hr observed on the 21<sup>st</sup> June. On average the wind direction was south-south-westerly.

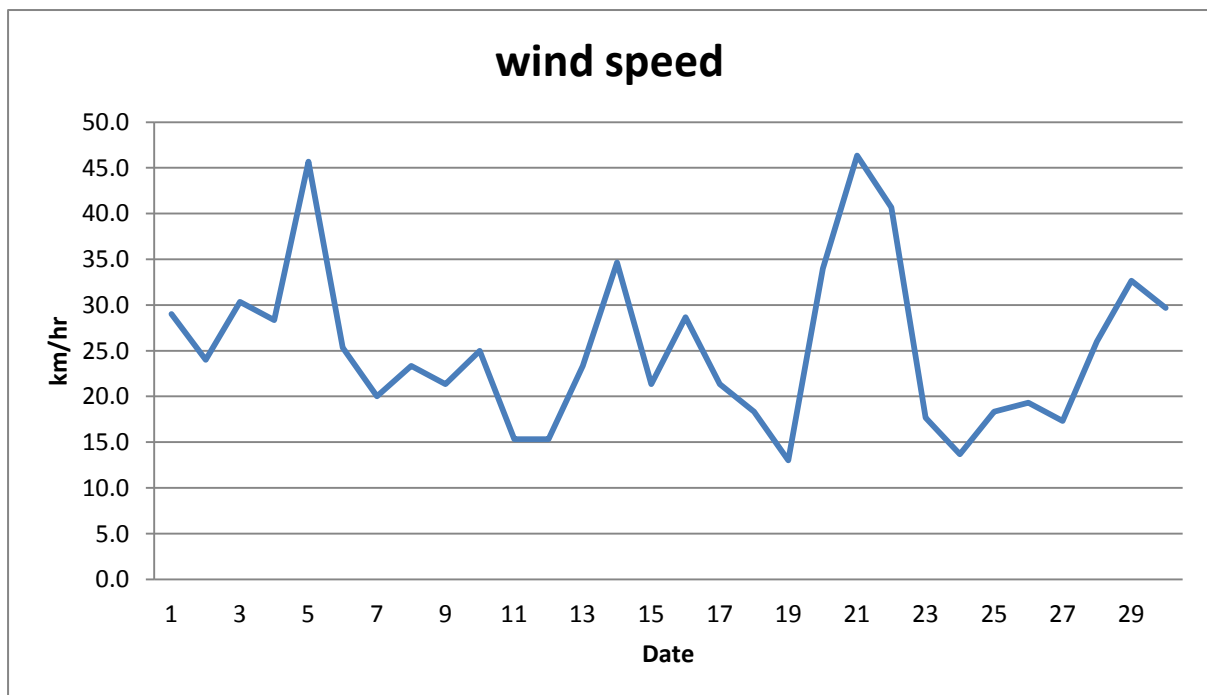
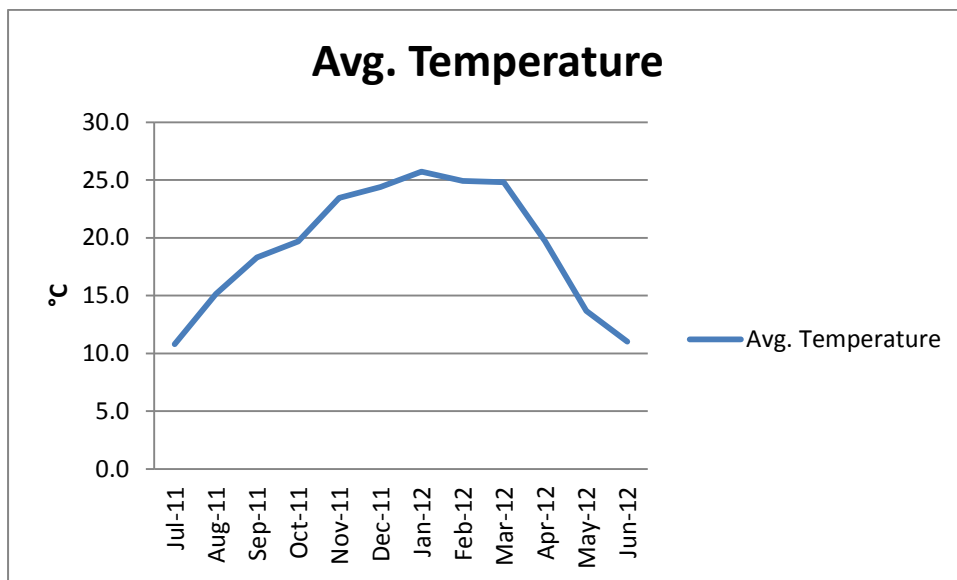


Figure 1 Average wind speed (km/hr) for June 2012.

### ***Annual weather observations (Jul 2011-Jun 2012)***

Weather observations for the previous 12 months have been presented to display longer term weather patterns. Figure 2 and Figure 3 show the temperature and rainfall patterns for the previous annual period. Figure 4 presents the wind speed data which is very important when considering the HVAS, dust deposition gauges and blast overpressure data.

The figures show that wind speed increases with temperature from August to January of the following year. This is coupled with lower rainfall until early 2013. Therefore it can be expected that dust levels will increase.



**Figure 2** The average monthly temperature for the period Jul 2011 to Jun 2012.

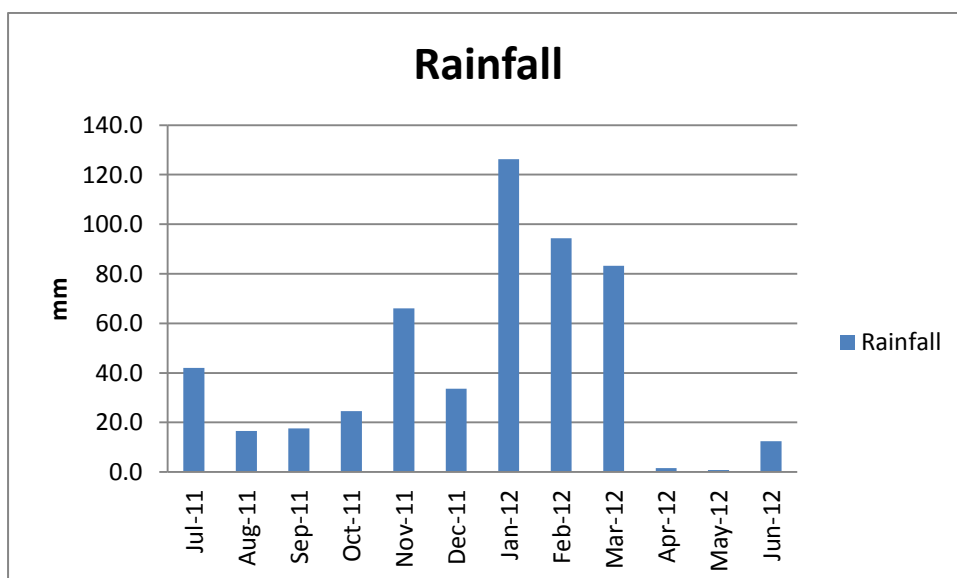


Figure 3 The total monthly rainfall for the period Jul 2011 to Jun 2012.

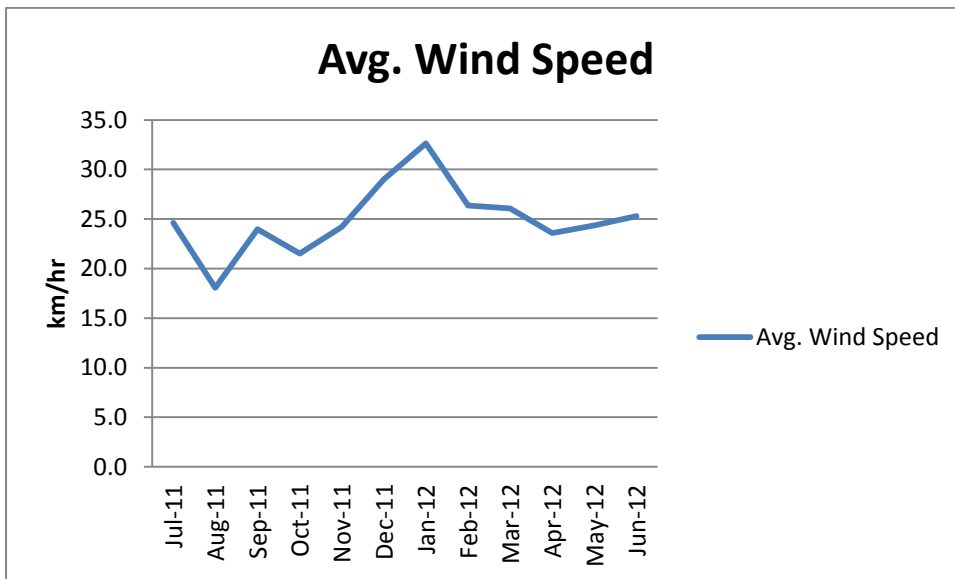


Figure 4 The average monthly wind speed for the period Jul 2011 to Jun 2012.