

**Epic Mining Pty Limited – 2014 & 2015 Air Quality Monitoring Results**  
**TSP/PM<sub>10</sub> Dust Sampling**

Month	D2 Hubertus Club	D4 South Paddock		NOTES
Jan-14	37	37		Hot wind and Motorbike on adjacent property
Feb-14	12	29		
Mar-14	27	10		Sampling conducted for longer than 24Hr period
Apr-14	7	15		
May-14	64	71		D4 Motorbike dirt track in operation in paddock next door
Jun-14	29	46		D4 Motorbike dirt track in operation in paddock next door
Jul-14	44	45		D4 Motorbike dirt track in operation in paddock next door
Aug-14	23	14		
Sep-14	3	2		
Oct-14	2	2		Filter Papers Damp and Mouldy
Nov-14	14	22		Strong Winds during Testing
Dec-14	11	20		D4 Motorbikes
Minimum	2	2		
Maximum	64	46		
Yearly Average	22.8	26.1		Comply with the yearly average of 30 µg/m <sup>3</sup>

Note: All samples were collected and analysed by VGT Environmental

Month	D2 Hubertus Club	D4 South Paddock	NOTES:
Jan-15	7	10	Rain
Feb-15	9	18	
Mar-15	24	12	Motorbike on dirt track south Paddock
Apr-15	10	16	
May-15	2	5	
Jun-15	9	6	House Demo occurring in South Paddock
Jul-15	15	15	House Demo occurring in South Paddock
Aug-15	65	42	House Demo occurring in Jackson Road
Sep-15	85	46	Carpark works in Hubertus Club and House Demo Jackson Road
Oct-15	27	13	
Nov-15	11	6	Hubertus Club Ran over weekend
Dec-15	2	2	Water Damaged papers due to heavy rains
Minimum	2	2	
Maximum	85	46	
Yearly Average	22.2	15.9	Comply with the yearly average of 30 µg/m <sup>3</sup>

Note: All samples were collected and analysed by VGT Environmental

We understand that the NSW EPA and many other reputable Australian Government and non-Government Organisations have adopted the ratio of PM<sub>10</sub> to TSP as 3:9. Hence, the adopted yearly average criteria of PM<sub>10</sub> is 30 µg/m<sup>3</sup> compared with 90 µg/m<sup>3</sup> for the Total Suspended Particulates (TSP). Therefore, if the PM<sub>10</sub> yearly average complies with the PM<sub>10</sub> yearly average criterion of 30 µg/m<sup>3</sup> then the TSP yearly average will be in compliance with the TSP yearly average of 90 µg/m<sup>3</sup>.

**Static Dust Reporting Period (2014)**  
**Combustible Matter (g/m<sup>2</sup>/month) (2014)**

MONTH-YEAR	D1	D2	D3	D4	D5	N House (D6)
Jan-14	0.4	0.9	0.4	0.2	0.3	2.3
Feb-14	1.9	0.4	0.6	0.5	0.2	0.5
Mar-14	3.1	0.1	0.6	0.2	0.3	0.6
Apr-14	0.1	0.4	0.3	0.2	1.2	0.2
May-14	0.3	0.1	0.4	0.4	0.1	0.1
Jun-14	0.2	0.1	0.2	0.4	0.2	0.2
Jul-14	0.1	0.1		0.5	0.3	0.2
Aug-14	0.6	0.2	0.3	1.8	0.6	0.3
Sep-14	0.5	0.1	0.8	15.5	1.3	0.3
Oct-14	1.2	0.1	0.3	0.5	0.2	0.3
Nov-14	0.4	0.5	2.1	1.2	0.1	0.7
Dec-14	0.6	0.3	1.8	0.6	1.0	1.2

**Ash (g/m<sup>2</sup>/month) (2014)**

MONTH-YEAR	D1	D2	D3	D4	D5	N House (D6)
Jan-14	0.7	0.8	2.9	2.4	0.9	1.3
Feb-14	1.5	0.3	0.7	2.0	0.2	0.4
Mar-14	1.1	0.1	0.7	1.4	0.2	0.3
Apr-14	0.3	0.1	0.4	0.9	1.9	0.3
May-14	0.4	0.3	1.1	1.2	0.2	0.2
Jun-14	0.2	0.2	0.3	3.0	0.3	0.3
Jul-14	0.3	0.1		3.6	0.6	0.2
Aug-14	0.5	0.1	0.4	3.0	0.2	0.2
Sep-14	0.3	0.1	0.3	1.3	1.4	0.2
Oct-14	1.2	0.5	0.7	7.8	0.6	0.7
Nov-14	0.8	0.6	1.0	2.4	0.8	0.7
Dec-14	0.7	0.3	1.2	4.0	1.6	1.3

**Insoluble Solids (g/m<sup>2</sup>/month) (2014)**

MONTH-YEAR	D1	D2	D3	D4	D5	N House	NOTES:
Jan-14	1.1	1.7	3.3	2.6	1.2	3.6	D2: Bird Droppings, Algae D3: Algae, Dry Horse Paddock D6: Lots of Bird Droppings, Algae
Feb-14	3.4	0.7	1.3	2.5	0.4	0.9	All Sample Jars Full of Water. D1: Bird Droppings, Insects, Paddock Slashed D3: Horses on Adjacent Track D6: Few Beetles
Mar-14	4.2	0.2	1.3	1.6	0.5	0.9	All Sample Jars Full of Water. D1: Bird Droppings, Insects
Apr-14	0.4	0.4	0.7	1.1	3.1	0.5	D4: Insects D5: Bird Droppings
May-14	0.7	0.4	1.5	1.6	0.3	0.3	D1: Algae, Insects D3: Algae, Horses on Track D4: Bird Droppings, Dust
Jun-14	0.4	0.3	0.5	3.4	0.5	0.5	D3: Horse Trotting on Track D4: Motorbikes on Dirt Track
Jul-14	0.4	0.1		4.1	0.9	0.4	D3: Whole Gauge Stolen D4: Insects, Dirt D5: Bird Droppings
Aug-14	1.1	0.3	0.7	4.8	0.8	0.5	D1: Cloudy Waters D3: Bird Droppings D4: Visible Dust D5: Insects, Temp Grass
Sep-14	0.8	0.1	1.1	16.8	2.7	0.5	D2: Broken Funnel D3: Insects, Seeds, Grass, Algae D4: Lots of Dirt D5: Insects, Bird Droppings

<b>Oct-14</b>	2.4	0.5	1.0	8.3	0.8	1.0	D1: Insects D4: Dirt, Funnel on Ground
<b>Nov-14</b>	1.2	1.1	3.1	3.6	0.9	1.4	All Gauges Full of Insects and Bird Droppings
<b>Dec-14</b>	1.3	0.6	3.0	4.6	2.6	2.5	D3: Bird Droppings, Insects, Algae D4: Dust D5: Algae, Beetles D6: Bird Droppings, Insects, Algae
<b>Minimum</b>	0.4	0.1	0.5	1.1	0.3	0.3	
<b>Maximum</b>	4.2	1.7	3.3	16.8	3.1	3.6	
<b>Yearly Average</b>	<b>1.45</b>	<b>0.5</b>	<b>1.59</b>	<b>4.58</b>	<b>1.26</b>	<b>1.08</b>	<b>Comply with the yearly average of 4g/m<sup>2</sup></b>

Static Dust Reporting Period (2015)  
Combustible Matter (g/m<sup>2</sup>/month) (2015)

MONTH-YEAR	D1	D2	D3	D4	D5	N House (D6)
Jan-15	0.1	0.1	1.1	0.5	0.3	0.2
Feb-15	0.9	0.1	0.5	1.0	0.5	0.4
Mar-15	0.5	0.1		0.4	0.2	0.6
Apr-15	0.1	0.1		0.2	0.1	0.1
May-15	0.2	0.1	0.5	0.3	0.1	1.5
Jun-15	0.3	0.1	0.1	0.3	0.3	0.1
Jul-15	0.2	0.1	0.1	0.5	0.1	0.1
Aug-15	0.3	0.1	0.4	0.4	0.3	0.2
Sep-15	0.2	0.2	0.5	0.8	0.6	0.9
Oct-15	0.2	0.3	0.8	5.4		0.9
Nov-15	0.4		3.8	0.5		
Dec-15	0.1		0.2	0.7		

Ash (g/m<sup>2</sup>/month) (2015)

MONTH-YEAR	D1	D2	D3	D4	D5	N House (D6)
Jan-15	0.2	0.1	0.5	0.8	0.3	0.4
Feb-15	0.8	0.4	0.4	3.2	0.8	0.2
Mar-15	0.6	0.7		4.3	0.6	0.8
Apr-15	0.1	0.2		1.0	0.1	0.4
May-15	0.3	0.1	1.4	2.3	0.3	1.4
Jun-15	0.3	0.2	0.4	1.4	0.2	0.9
Jul-15	0.2	0.3	0.4	3.2	0.4	0.2
Aug-15	0.4	0.3	0.7	6.2	0.5	0.2
Sep-15	0.4	1.0	0.8	4.3	1.0	1.0
Oct-15	0.5	0.6	0.7	6.1		0.5
Nov-15	0.6		1.8	6.2		
Dec-15	1.5		1.4	6.9		

Insoluble Solids (g/m<sup>2</sup>/month) (2015)

MONTH-YEAR	D1	D2	D3	D4	D5	N House	NOTES:
Jan-15	0.2	0.1	1.6	1.3	0.6	0.6	D3: Algae D4: Bird Droppings
Feb-15	1.7	0.5	0.9	4.2	1.3	0.6	D1: Bird Droppings, Insects D3: Insects, Algae D4: Leaves, Algae

<b>Mar-15</b>	1.1	0.8		4.7	0.8	1.4	D1: Insects, Grass in Funnel D3: Completed Gauge Missing D4: Dust D5: Fluffy D6: Insects, Grass
<b>Apr-15</b>	0.2	0.3	0.0	1.2	0.1	0.3	All gauges full of water. D1: Algae D3: Newly Installed Gauge Clean D6: Bird Droppings
<b>May-15</b>	0.5	0.2	1.9	2.6	0.3	2.9	D1: Spider D3: Leaves, Fluffy D4: Some Dust
<b>Jun-15</b>	0.6	0.2	0.4	1.7	0.5	1.0	D1: Green Algae D3: Gauge Knocked Over by Cows D4: Green Algae D6: Insects
<b>Jul-15</b>	0.4	0.3	0.5	3.7	0.4	0.2	D1: Paddock Slashing D2: Works on Hubertus Club D4: Plenty of Dirt D5: Demo of House
<b>Aug-15</b>	0.7	0.3	1.1	6.6	0.8	0.4	D3: Broken Funnel Neck in Bottle, Insects D4: Plenty of Dirt
<b>Sep-15</b>	0.6	1.2	1.3	5.1	1.6	1.9	D3 Insects, Algae, Dust D4 Dust, Algae D5: Insects D6: Insects, Bird Droppings
<b>Oct-15</b>	0.7	0.9	1.5	11.5		1.4	D1: Insects D3: Insects, Temp Gauge Full of Insects D4: South Paddock Full of Insects, Veg, Bird Droppings, Algae, Dirt D5: East House Gauge Gone Due to Demo Works
<b>Nov-15</b>	1.0		5.6	6.7			D1: Insects D2: Gauge Removed Site Demo D3: Bird Droppings D4: Full of Dirt
<b>Dec-15</b>	1.0		1.6	7.6			D1: Full of Dirt and Insects D2: Missing Gauge D3: Full of Insects and Algae D4: Full of Dirt and Insects
<b>Minimum</b>	0.2	0.1	0.0	1.2	0.1	0.2	
<b>Maximum</b>	1.7	1.2	5.6	11.5	1.6	2.9	
<b>Yearly Average</b>	<b>0.73</b>	<b>0.48</b>	<b>1.49</b>	<b>4.75</b>	<b>0.71</b>	<b>1.07</b>	<b>Comply with the yearly average of 4g/m<sup>2</sup></b>

Note: All samples collected and analysed by VGT Environmental