



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
November 2018

17-12-2018 650-200-REP-YPN-0013 Rev 0

**Ambient Air Concentration of Gases**  
**NH<sub>3</sub>, NO<sub>2</sub> and SO<sub>2</sub>**

Site	Date On	Date Off	NH <sub>3</sub>	NO <sub>2</sub>	SO <sub>2</sub>
			µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Site 5 - Burrup Road	28/09/2018	15/10/2018	0.30	3.91	0.78
Site 6 - Water Tanks	28/09/2018	15/10/2018	0.32	3.20	0.37
Site 7 - Deep Gorge	28/09/2018	15/10/2018	0.24	2.83	0.35
Site 5 - Burrup Road	15/10/2018	31/10/2018	0.31	4.18	1.88
Site 6 - Water Tanks	15/10/2018	31/10/2018	0.49	3.34	0.73
Site 7 - Deep Gorge	15/10/2018	31/10/2018	0.40	3.24	0.43
Site 5 - Burrup Road	31/10/2018	15/11/2018	0.25	4.73	1.41
Site 6 - Water Tanks	31/10/2018	15/11/2018	0.27	3.86	2.26
Site 7 - Deep Gorge	31/10/2018	15/11/2018	0.30	3.48	0.30



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**Airborne Particulate Concentration**  
**Total Suspended Particulates (TSP)**

Period Start Date <sup>(1),(2)</sup>	Site 5 (Burrup Road) TSP	Site 6 (Water Tanks) TSP	Site 7 (Deep Gorge) TSP
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
05/10/2018	34	32	21
11/10/2018	11	27	27
17/10/2018	2 <sup>[3]</sup>	29	30
23/10/2018	32	27	31
29/10/2018	41	35	51
04/11/2018	32	36	39

**Notes:**

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) Post weight for filter confirmed. Visually, there is no dust on filter and is similar in appearance to a blank filter.



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**Deposited Dust - Total Dust Deposition per Month  
Insoluble and Soluble Fraction**

Site 5 - Burrup Road		Date Deployed	31/07/2018
		Date Collected	31/08/2018
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	<0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	<0.8

Site 6 - Water Tanks		Date Deployed	31/07/2018
		Date Collected	31/08/2018
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	<0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	0.8

Site 7 - Deep Gorge		Date Deployed	31/07/2018
		Date Collected	31/08/2018
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	0.9