



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
November 2020

03/12/2020 650-200-REP-YPN-0037 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	14/08/2020	31/08/2020	0.51	4.44	0.03
Site 6 - Water Tanks	14/08/2020	31/08/2020	0.87	4.82	0.05
Site 7 - Deep Gorge	14/08/2020	31/08/2020	1.92	4.31	0.03
Site 5 - Burrup Road	31/08/2020	15/09/2020	0.61	6.04	0.09
Site 6 - Water Tanks	31/08/2020	15/09/2020	0.96	5.67	0.07
Site 7 - Deep Gorge	31/08/2020	15/09/2020	0.45	3.89	0.04
Site 5 - Burrup Road	15/09/2020	30/09/2020	0.99	5.23	0.19
Site 6 - Water Tanks	15/09/2020	30/09/2020	1.40	4.58	0.05
Site 7 - Deep Gorge	15/09/2020	30/09/2020	0.99	3.21	0.06
Site 5 - Burrup Road	30/09/2020	15/10/2020	0.54	6.25	0.06
Site 6 - Water Tanks	30/09/2020	15/10/2020	0.55	4.32	0.06
Site 7 - Deep Gorge	30/09/2020	15/10/2020	0.32	3.19	0.04



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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
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
06-Oct-20	19	19	22
12-Oct-20	40	39	40
18-Oct-20	29	33	32
24-Oct-20	30 <sup>(3)</sup>	31	35

**Notes:**

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) Possible under reporting of actual concentration due to damaged filter



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

Site 5 - Burrup Road		Date Deployed	31/08/2020
		Date Collected	30/09/2020
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	1.6

Site 6 - Water Tanks		Date Deployed	31/08/2020
		Date Collected	30/09/2020
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	1.6

Site 7 - Deep Gorge		Date Deployed	31/08/2020
		Date Collected	30/09/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	0.8
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.4