



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
February 2021

02/03/2021 650-200-REP-YPN-0040 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	No new results to date				
Site 6 - Water Tanks					
Site 7 - Deep Gorge					



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
29-Dec-20	48	70	37
04-Jan-21	56	62	63
10-Jan-21	44	45	37
16-Jan-21	45	70	48
22-Jan-21	21	40	26
28-Jan-21	45	44	39

**Notes:**

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.



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

Site 5 - Burrup Road		Date Deployed	30/11/2020
		Date Collected	31/12/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	3.3
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.5

Site 6 - Water Tanks		Date Deployed	30/11/2020
		Date Collected	31/12/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	2.3
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.5

Site 7 - Deep Gorge		Date Deployed	30/11/2020
		Date Collected	31/12/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	<1.5
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.3