



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
December 2021

10/01/2022 650-200-REP-YPN-0051 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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
18-Nov-21	24	34	27
24-Nov-21	26	32	NS
30-Nov-21 <sup>3</sup>	37	33	36
06-Dec-21	46	56	56

**Notes:**

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) Final weighing was more than 20 days after completion of sampling



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

Site 5 - Burrup Road		Date Deployed	30/09/2021
		Date Collected	02/11/2021
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

Site 6 - Water Tanks		Date Deployed	30/09/2021
		Date Collected	02/11/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	1.1
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.3

Site 7 - Deep Gorge		Date Deployed	30/09/2021
		Date Collected	02/11/2021
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

**Notes:**

(1) Sampling duration is outside the 30 ± 2 days stated in AS3580.10.1.